

**Self Study Report (SSR)  
for  
National Assessment and Accreditation Council  
(NAAC)  
Accreditation**



**GEETHANJALI COLLEGE OF ENGINEERING  
AND TECHNOLOGY (UGC Autonomous)**

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**Submitted to**

**NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL**

**February 2017**

➤ Preface

➤ Executive summary

➤ SWOC

➤ Profile of the Autonomous College

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## **PREFACE**

Geethanjali College of Engineering and Technology (GCET) was established in the year 2005, sponsored by Teja Educational Society. Geethanjali College of Engineering and Technology is recognized by AICTE and approved by State Government. GCET received permanent affiliation from Jawaharlal Nehru Technological University-Hyderabad, Hyderabad (JNTU-H) in less than ten years of its existence. Subsequently, the college has been granted “Autonomous” status by UGC.

GCET offers B.Tech (UG) Programmes in CSE, ECE, EEE, ME, and CE Disciplines. It also offers PG programmes in M.Tech (CSE), M.Tech (ES), M.Tech (VLSI-SD), M.Tech (Power Electronics) and MBA.

GCET is recognized under section 2 (f) & 12 (B) of the UGC Act, 1956 vide letter No. F. No. 8-485/2014 (CPP-I/C) dated 13 January 2015 by University Grants Commission, New Delhi. Presently, the college is under the category "Non-Government Self Financed" colleges providing quality education in various specializations in Engineering up to Master's degree to make it eligible to receive central assistance.

GCET was established with a vision to disseminate knowledge and skills to students, who eventually contribute to the well being of the people of the nation and global community. GCET inculcates the spirit of high ambitions, healthy attitudes, discipline and multi-dimensional excellence in the students and strive hard to mould them to scale new heights. The value-based technical education provided by the college in a congenial and conducive environment expands the horizons of the students.

The college was established with an initial intake of 240 students in three (3) Disciplines namely, ECE, CSE, and IT. Currently the student intake is 996 with five UG programs and five PG programs.

GCET is pleased to submit Self Study Report (SSR) of the Autonomous College for accreditation. The SSR of the college has been prepared as per the norms of National Assessment and Accreditation Council (NAAC) applicable to “Autonomous Colleges”.

Dr. Udaya Kumar Susarla

Principal

Geethanjali College of Engineering and Technology

Cheeryal (V), Keesara (M), Medchal Dt. TS-501301

## **1. List of Acronyms Used**

AICTE : All India Council for Technical Education  
B.Tech. : Bachelor of Technology  
CACG : College Academic and Career Guidance  
CACHE : Centre for Advancement of Career and Human Excellence  
CE: Civil Engineering  
CSE : Computer Science and Engineering  
CSI : Computer Society of India  
DHE : Department of Higher Education  
DST. : Department of Science and Technology  
DW : Disabled Welfare  
EAMCET: Engineering Agriculture Medical Common Entrance Test  
ECE : Electronics and Communication Engineering  
ECET: Engineering Common Entrance Test  
EDC : Entrepreneur Development Cell  
EEE : Electrical and Electronics Engineering  
EWS : Economically Weaker Sections  
F : Female  
GATE / CAT : Graduate Aptitude Test in Engineering / Common Admission Test  
GCET : Geethanjali College of Engineering and Technology  
GPF : General Provident Fund  
HODs : Heads of Departments  
ICET: Integrated Common Entrance Test  
ICT : Information and Communication Technology  
IEEE : Institute of Electrical and Electronics Engineers  
IETE: The Institution of Electronics and Telecommunication Engineers  
ISR : Institutional Social Responsibility  
ISTE : Indian Society for Technical Education  
JNTUH : Jawaharlal Nehru Technological University-Hyderabad  
LIDAR : Light Detection and Ranging  
MBA : Master of Business Administration  
M : Male  
ME : Mechanical Engineering  
MW : Muslim Welfare  
MM : Muslim Minority  
NAAC: National Assessment and Accreditation Council  
NEN : National Entrepreneur Network  
NSS : National Service Scheme  
OBC : Other Backward Communities  
OHP : Overhead Projector  
OPAC: Online Public Access Catalog  
PGECET: Postgraduate Engineering Common Entrance Test  
PG : Post Graduate  
SC : Scheduled Castes  
SIRO : Scientific and Industrial Research Organization  
SSR : Self Study Report  
ST : Scheduled Tribe  
SWOC : Strengths, Weaknesses, Opportunities and Challenges.  
TEQIP : Technical Education Quality Improvement Programme  
TIME : Triumphant Institute of Management Education Pvt. Ltd.  
TSCHE: Telangana State Council for Higher Education  
UG : Under Graduate  
UGC: University Grants Commission

## **2. Executive Summary**

Geethanjali College of Engineering and Technology (GCET) was established in the year 2005, with JNTUH as the affiliating University. The college was granted “Permanent Affiliation” in Jan-2015. Three of its UG programs, namely, B.Tech ECE, B.Tech CSE, and B.Tech EEE were accredited by NBA for a period of three years in July 2015. B. Tech CSE and B. Tech ECE were first accredited in July 2012. The college was conferred with autonomous status by UGC with effect from Academic Year 2016-17 for a period of six years.

The college offers UG programs in CE, ME, ECE, CSE and EEE disciplines and PG programs in ES, VLSI-SD, PE, CSE specializations and MBA. It has a total sanctioned intake of 840 students for UG programs and 156 students for PG programs. All programs are self financed and are covered under UGC Autonomous status. All programs are offered under CBCS and semester system. A brief summary of SSR, criteria-wise is given below:

### **CRITERION I: Curricular Aspects**

In the process of curriculum design and moving forward towards the objective of preparing students who would be able to contribute significantly for the development of our nation in particular, and the world in general, the Governing Body (GB) of the college, the College Academic Council (CAC), and Board of Studies of each department perused the curriculum, guidelines and academic regulations prescribed by the affiliating University, JNTUH and other reputed institutions including a few well known universities abroad. The main frame of the program and course structure and the syllabi and are within the framework of the norms stipulated by UGC and AICTE. The defining element of this document is "Choice Based Credit System (CBCS)".

The curriculum was designed to taking feedback from all stake holders and facilitate students obtain liberal education, which has the potential to broaden their perspective and transform the world. The curriculum offers various designated courses namely, Hard Core, Soft Core, Basic Sciences Core, Engineering Sciences Core, Social Sciences and Humanities Core along with Professional Electives, and Open Electives. These courses are introduced with an objective of enabling the students to go for further specialization in their chosen field of interest.

Some of the mandatory non-credit courses suggested by AICTE have been taken as credit based mandatory courses by the institute to ensure seriousness of participation amongst the students in these courses. The proposed curriculum is structured with **five theory and three laboratory** courses from second year first semester onwards up to fourth year first semester except in one semester, while in First year, five theory and four laboratory courses to facilitate more practical oriented teaching and learning with an emphasis on local and global needs. The introduction of **Open Elective** courses along with **Foreign Language** promotes the philosophy of liberal education. Academic flexibility is maintained through a wide range of courses offered across departments. Another noteworthy feature is introduction of employability skills courses.

## **CRITERION II: Teaching-Learning and Evaluation**

### **Teaching - Learning**

Teaching-Learning is based on outcome based education, which is student centric. Program educational objectives and program outcomes are clearly articulated. Courses are designed to meet these program objectives and outcomes. Course outcomes are then clearly written along with assessment methods which would be used to gauge the learning of the students.

The theory courses predominantly follow lecture method that promotes analytical thinking, comprehension and reasoning. The lab courses provide experimentation, analytical thinking, creativity and innovation to a little extent and help develop required skills for an in-depth understanding and comprehension of the course.

Faculty members of the college adopt various teaching methods in addition to lecture method.

Class room teaching is supplemented with additional learner-centric activities such as case study analysis, seminar, simulation exercises, problem solving through tutorials and assignments, and discussions.

In addition, guest lectures, field trips, and visit to some industries also help students acquire the required comprehension of the course and its application for societal development.



In some courses mini project supplements students with an ability to define a problem, use various design techniques and implementation through hands on experience, which facilitates students to explore.

Students are encouraged to use online databases and domain specific e-resources which enable them to go beyond the prescribed curriculum.

### **Evaluation**

In the evaluation pattern used, continuous internal evaluation (30%) and external evaluation (70%) gauge the knowledge and skills acquired at various levels of the courses and program. For continuous internal evaluation, subjective tests, objective tests, assignments, day-wise assessment in the laboratory are taken into account. As part of subjective and objective tests, two mid-semester examinations are conducted and their average is considered.

For external evaluation, external examiners are appointed who are provided guidelines to prepare the theory Question papers such that they

- follow Bloom's Taxonomy,
- prepare questions that clearly measure course outcomes and program outcomes,
- questions uniformly distributed across the syllabi (course description),
- provide scheme of evaluation to avoid the evaluator's bias.

Final grades are awarded for Students' performance, as per UGC guidelines.

Evaluation of the answer scripts are conducted through external evaluation. These evaluation reforms and continuous assessment of the process will be effectively and efficiently carried out by the experienced faculty. The Examination Branch of the institute has adequate infrastructure and experienced staff to implement the assessment and evaluation practices used by reputed institutions globally.

### **CRITERION III: Research, Consultancy and Extension**

#### **Research and Consultancy**

GCET has an in-house R & D Centre. It has a research committee with senior faculty members to promote research culture among the faculty and students. They also give guidance to publish quality technical papers in various reputed journals and conferences. The management encourages

the faculty to take up projects which will meet the needs of industry/society. The faculty's project proposals are reviewed by the committee before they are submitted to the funding agencies. The college has been recognized as Scientific and Industrial Research Organization (SIRO) by DSIR, Govt. of India. DST has sanctioned two projects, one for an amount of Rs. 34.5 lakhs, which has been successfully executed, and another for an amount of Rs. 21.5 lakhs, currently under execution. A few more projects are under active consideration by various funding agencies.

- Over the past four years, the faculty have published more than 450 papers in reputed national/international conferences and journals.
- Ten faculty members were awarded Ph.Ds while working in our college. Our faculty guided three Ph.D scholars who were awarded Ph.D.
- Currently, more than fifteen scholars who have registered for Ph.D under various universities are being guided.
- More than thirty faculty members are pursuing Ph.D in various reputed institutions.

Faculty members are encouraged to participate in FDPs, Conferences/Seminars to pursue research, which would eventually percolate to the students. Management supports research by awarding special incentives in the form of cash and special/sabbatical leave. The college encourages interdisciplinary research between different departments and also with external organizations. College subscribes to various reputed journals such as IEEE, Science Direct, Springer etc. to enrich research capabilities among its faculty and students. Industrial experts are invited to the institution for interaction with faculty and students to promote industry-based research. To strengthen R & D, efforts are underway to establish linkages with Osmania University and JNTUH, Hyderabad.

College has an incubation centre, though it is in its infancy stage. The objective of this centre is to deliver the knowledge/ technology to the needs of appropriate organizations/society. The college also signed MoUs with reputed organizations to partner in project execution and to strengthen research/academic knowledge. The college is rendering consultancy services to industry.

### **Extension**

As part of institutional social responsibility, the college helps the neighborhood community network through NSS cell of the college. It conducts book distribution campaign for

underprivileged government school children, distributes basic amenities for the Mid-day meal scheme, conducts Blood Donation Camps, organizes various health camps, and visits to old-age homes/orphanages in the nearby villages.

#### **CRITERION IV: Infrastructure and Learning Resources**

The college has excellent infrastructural facilities. It develops the infrastructure as per the norms of AICTE and the affiliating University. Enhancement of the infrastructure is made as and when new programs are started or when the intakes of the programs are increased. Our policy, in this regard is driven by the need to promote good teaching learning environment. Some of the recent initiatives taken include of use ICT for academic purposes including teaching and learning, providing internet access to students and faculty, developing laboratories as per changing curriculum requirements

The college conducts general medical check-up for students and staff. Eye camps, dental camps and health survey are organized by our NSS unit. Emergency medical assistance is provided at a nearby hospital with which the college has a tie-up.

Dedicated facilities for promotion of interest among students in sports and cultural activities are made available. A qualified physical director oversees the sports and games activities. A sports committee makes arrangements for students to participate in various sports and games events-Intra mural, Inter-college and University tournaments.

The college has a literary club and a fine arts club to encourage students to participate in literary and cultural activities. These clubs help to bring out the latent talents of the students and hone them. These facilities also serve to enhance the aesthetic sense of the students and promote their holistic growth.

The college library is the centre piece of our physical infrastructure. The library is housed in a building having a total area of 1110 Sq.m and has a seating capacity of 250. It has a huge collection of books, journals and e-journals. The library deploys the following tools to provide access to its collections: OPAC, Electronic Resource Management Package (ERMP) for e-journals, Federated searching tools to search articles in multiple databases, library website and In-house/remote access to e-publications.

The college has comprehensive IT policy in place. It has 1208 computer systems available for students, the computer-student ratio being 1:4 for B. Tech programs, 1:2 for M.Tech programs and 1:2 for MBA program. The campus also has Wi-Fi connectivity. The college has developed digital library to augment the quality of teaching learning process. The digital library has 1300 e-journals, 2587 e-books, among others. The college makes use of National Knowledge Network (NKN) connectivity and NPTEL video lectures are made available to students.

The campus facilities are properly maintained to provide the right physical ambience. A designated officer of the college oversees the maintenance operations. A team of three supervisors, provided by our contracting agency supervises the maintenance of three buildings of the college.

#### **CRITERION V: Student Support and Progression**

GCET gives utmost importance for student support and mentoring. As soon as a student joins the college, a mentor diary is opened. This diary will be used throughout his stay in the college. A faculty will be allotted as Mentor for a batch of 15 students in each semester. The mentor will meet the mentee on continuous basis in that semester and update the data in the diary. The mentor identifies the strengths and the weaknesses of the student and suggests for improvements. The parents of the mentee will be contacted whenever it is required.

An Induction program will be conducted for the fresh students in the college as soon as the admission is completed. Student handbook and course structure with academic regulations book will be given to each student at the time of admission. This gives the information to the student on Academic and administrative procedures in the college.

Online Feedback is taken from the students twice in a semester and based on this feedback, the teaching learning methods are modified, like information to the faculty regarding the methods of teaching, special classes to the students for updating the subject knowledge etc.

The unique feature of GCET is CACHE (Centre of Advancement of Career and Human Excellence) which provides career guidance to the students. Also, as a part of the curriculum, soft-skills training is being provided to 2<sup>nd</sup> and 3<sup>rd</sup> year students, by the well known organization M/S TIME (Triumphant Institute of Management Education) to prepare them to face the interviews in a better way.

Training and Placement Cell of GCET provides special training to 3<sup>rd</sup> year students to face entrance tests and placement interviews. The placement rate is continuously increasing, with more and more number of companies visiting GCET and selecting students.

#### **CRITERION VI: Governance, Leadership and Management**

GCET's governance is decentralized. It has a Governing Body (GB). GB consists of experts from the members of the eminent academia, industry, society and community. GB offers guidelines to the College Academic Council (CAC). CAC comprises Principal, all the Department Heads (HoDs), Deans, members from academia, industry, expert nominees from the affiliating university, JNTUH, Hyderabad. CAC constantly oversees all the academic matters pertaining to college and directs the academic departments accordingly. Every academic department has got Board of Studies (BoS) which frames curriculum based on inputs received from all stake holders of the college. BoS is assisted by Department Assessment Committee (DAC) and Program Assessment Committee (PAC). DAC implements the curriculum to the letter and spirit as per the design enunciated by BoS. On the other hand, PAC, one for each program administered by the department, implements curriculum with the help of Program Coordinator, Course Coordinators, and faculty. Assessment is conducted with the active coordination of the Controller of Examinations (CoE) of the College. Further, the departments are also organized into various Specialization Groups chaired by a Professor, as a Faculty Mentor, who is supported by two or three Associate Professors as Group's Lead Faculty; all the other faculty members of a specialization group are faculty mentees. The specialization groups ensure implementation of effective teaching-learning process and evaluation mechanisms. These specialization groups also facilitate participation in research activities by the faculty within the group and across the groups.

#### **IQAC**

IQAC of the college monitors all the activities of the college. The quality of education is measured and tested by self-evaluation and external quality evaluation methods, which are incorporated in the said evaluation pattern. IQAC continuously monitors the teaching-learning, evaluation and other quality aspects of the functioning of the college while providing feedback. Thus the institution continuously monitors its progress based on quality initiative, quality assessment, quality sustenance and enhancement. Transparency is maintained at every level of functioning by the Management, Administration, Staff, Students, and other stake holders to provide credibility and ownership.

## **CRITERION VII: Innovation and Best Practices**

Students of the college are encouraged to carryout in-house projects by providing requisite financial assistance and the faculty expertise. To promote and inculcate creativity and innovation in the students, college conducts project exhibitions annually. College has an Entrepreneurship Development Cell (EDC). EDC regularly invites experts who are successful entrepreneurs to educate and motivate students to be budding entrepreneurs. College recently established an incubation centre, which although is in its infancy, is helping and guiding budding entrepreneurs. About half a dozen projects were developed during the past 4 academic years.

The College adopts outcome based education.

### **A. Outcome Based Education, Assessment, and Continuous Improvement**

The college firmly believes in providing Outcome Based Education (OBE) clearly focusing and organizing everything in an educational system around "what is essential for all students to be able to do successfully at the end of their learning experiences".

### **B. Centre for Academic and Career Guidance**

It is the conviction of the college that students who have been closely monitored and mentored have always performed far better than others who were not monitored didn't undergo mentoring. With this strong belief in mind, the college has established a "Center for Academic and Career Guidance (CACG)". The centre provides professional and confidential assistance in a supportive atmosphere and offers advice on an individual basis on academics and allied issues. Several graduates received admissions abroad in universities of repute such as Purdue, University of Colorado, Boulder, etc. Several were placed in industries of repute and the placements have been on the rise in the last three years.

### **3. SWOC ANALYSIS**

#### **Introduction**

The Strengths, Weaknesses, Opportunities, and Challenges (SWOC) analysis provides a framework for educational administrators to focus better on serving the needs of their Institutions.

GCET has recently carried out a series of surveys (e.g., employers, graduating senior students, alumni, members of professional bodies, parents and faculty members) to obtain feedback on some key issues related to its engineering programs, facilities, and policies. These survey results, along with available external evaluations and observations regarding developments of different dimensions of the institution (academics and administration), are used to develop a detailed SWOC analysis for the whole college, students, faculty, and facilities.

#### **Strengths**

##### **Most Prominent**

1. **Permanent Affiliation** - provides opportunities to its stakeholders and establishes itself and excels as the provider of quality engineering education through acquired UGC 2 (f) and 12 (b) status and thereby attaining autonomous status for the college.
  2. **Qualified and Experienced Faculty**
    - Strong work ethics
    - Commitment to quality
    - Positive outlook
    - Perseverance in face of adversity
  3. **Management's Motto**
    - provide service to the people
    - outreach to the public
  4. **Infrastructure**
    - a. State of the art computing facilities (Hardware and Software)
    - b. High-speed campus network with wi-fi facility
    - c. State-of-the-art labs across disciplines
    - d. E-learning facilities in the classrooms
    - e. Excellent transport facilities (for faculty, staff and students)
    - f. Good sports facilities
  5. **Excellent HR Policies** with motivational initiatives for faculty, staff and students
- ##### **Moderately Prominent**
6. **Quality of Teaching Learning Process**
    - Fairly Good quality of students
    - Student centered learning
    - Imparting skills to enhance employability
    - Creative and innovative teaching pedagogy by senior and middle level faculty
    - Student clubs - Fine Arts club, Robotics club, Environmental club, NEN, Technical Associations, etc.

- 7. Growing Research Culture Among Faculty**
- Well motivated middle level faculty pursuing research
  - In the last four years, TEN faculty have been awarded PhD.
  - One faculty member completed defense and waiting for award of Ph.D
  - Three faculty members submitted thesis and are waiting for defense
  - More than 300 research papers published by faculty in national and international refereed journals and conferences in various departments
  - About 30 faculty members are pursuing research actively
- 8. Recognition as Scientific and Industrial Research Organization (SIRO)**  
The college has been recognized as "**Scientific and Industrial Research Organization (SIRO)**" by Directorate of Scientific and Industrial Research (DSIR), New Delhi, in March 2011 for three years. The status of the same has been extended by Three more years till March 2017.
- 9. Good Industry Linkage and MoUs, Tie-ups with Foreign University Prominent Industries**
- Tech Mahindra
  - Dark Horse Consulting
  - Zenopsys
  - Data 64 solutions
  - University of Illinois at Spring Field, Chicago
- 10. Fairly Good Campus Placements**
- 250+ placements - batch graduated in 2014
  - 280+ placements - batch graduated in 2015
  - 380+ placements - batch graduated in 2016
  - 400+ placements (as on Date:25-Feb-2017) - batch graduating in 2017
- 11. Accreditation**
- Three B.Tech Programs, namely, CSE, ECE and IT eligible for Accreditation were accredited by National Board of Accreditation (NBA) in September 2012. Two programs namely, B. Tech in CSE and ECE are re-accredited and B. Tech in EEE accredited in July 2015 for three years.

## **Weaknesses**

### **Most Prominent**

- 1. Less Motivation among Younger Faculty** - Due to abundant opportunities available in the industry and with the result, low percentage of youngsters embracing teaching profession.

#### **Reasons**

- Higher Monetary benefits
- Diversity in job profiles
- Awareness towards foreign education

#### **Operational Plan in Vogue**

Mentor (Senior Faculty Member) – Mentee (Junior Faculty Members) System providing rich exposure of teaching pedagogy. The junior faculty members are also encouraged to take up research work under the close supervision of senior faculty. This practice has proved to be a driving force for the junior faculty members and there is a gain in the momentum. Few PhDs and quality publications have resulted out of this rich exercise.

- 2. Lack of on campus Residential Accommodation** – faculty, staff and students prefer to stay in city (personal and professional reasons)



### **3. Operational Plan in Vogue**

- Hired accommodation in close vicinity for those interested
- Excellent transportation facilities at staggered timings as per requirements
- Resulted in quality student activities and faculty research output

### **4. Less Industry Institute Interaction – Reason - far away from the city**

#### **Opportunities**

##### **1. Grant of Autonomy**

An opportunity to initiate new programs such as

- PG (M. Tech)
- PG Diplomas
- Skill Based Certificate Courses - Enhancing Employability and Enhancing Skills for Personnel of Industry

##### **Revision of UG Curriculum – Introduction of New Subjects**

- **Aptitude Skills**
    - English Language Skills
    - Logical Reasoning
    - Quantitative Aptitude
    - Soft Skills
  - **Foreign Language**
  - **Banking and Non Banking Finance courses**
  - **Professional Ethics, Human Values and IPR**
- 2. Flow of Research Funds – Recognition as SIRO by DSIR facilitates funding for research activity resulting in faculty motivation, growth and retention**
- 3. Engineering and IT hub - Scope for future growth due to the close proximity to**
- The largest campus of the second biggest IT company of India (Infosys) - under construction
  - Raheja Mindspace – IT Park (Already available)
- 4. Establishment of Faculty Development Center**
- Mushrooming growth in Engineering Colleges
  - Great demand for qualified and passionate faculty members
  - Availability of Senior and Passionate faculty members at GCET acting as Mentors
  - Already Providing Training to Various Other Engineering Colleges on Accreditation aspects through Osmania University Nodal Center, under which our college is NBA Training Center
  - Strong Platform to Share Rich Expertise and Best Practices of Teaching Pedagogy

#### **Challenges**

##### **Most Prominent**

- Mushrooming growth of Engineering Colleges
- Impact of Globalization
- Entry of Foreign Universities

##### **Moderately Prominent**

- Government Restrictions on Fee Structure

##### **Less Prominent**

- Lack of Awareness of Emerging Technologies

## SECTION B: PREPARATION OF THE SELF-STUDY REPORT

### 1. Profile of the Autonomous College

#### 1. Name and Address of the College

Name :	Geethanjali College of Engineering and Technology	
Address :	Sy.No. 33 & 34, Cheeryal (V), Keesara (M). Medchal (D)	
City :	Pin : 501 301	State : Telangana
Website	http://www.geethanjaliinstitutions.com	

#### 2. For communication

Designation	Name	Telephone with STD code	Mobile	Email
Chairman	Sri.G R Ravinder Reddy	9391199932	9866395845	greddy1962@yahoo.co.in
Principal	Dr. S. Udaya Kumar	---	9866308257	uksusarla@gmail.com

#### 3. Status of the Autonomous College by management

I Government

II Private

III Constituent College of the University

4. Name of University to which the College is  affiliated

5. a. Date of establishment, prior to the grant of 'Autonomy' : 30/06/2005

b. Date of grant of 'Autonomy' to the College by UGC: 19/04/2016

**6. Type of Institution:**

**a. By Gender**

i. For Men

ii. For Women

iii. Co-education

**b. By Shift**

i. Regular

ii. Day

iii. Evening

**c. Source of funding**

i. Government

ii. Grant-in-aid

iii. Self-financing

iv. Any other (Please specify)

**7. It is a recognized minority institution?**

Yes

No

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

**8. a. Details of UGC recognition:**

Under Section	Date, Month and Year (dd-mm-yyyy)	Remarks (If any)
i. 2(f)	13/01/2015	-----
ii 12 (B)	13/01/2015	-----

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

Ph. 23236351, 23232701, 23237721  
23234116, 23235733, 23232317  
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)  
UGC Website: [www.ugc.ac.in](http://www.ugc.ac.in)



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 8-485/2014 (CPP-I/C)

January, 2015

The Registrar,  
Jawaharlal Nehru Technological University  
Hyderabad – 500 075  
Telangana

13 JAN 2015

Sub: Recognition of College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter no. GCET/286/2014-15 dated 10.10.2014 received from the Principal, Geethanjali College of Engineering & Technology, Cheeryal (V), Keesara (M), Ranga Reddy Dist. – 501 301, Telangana on the above subject and to say that it is noted that the following college is **un-aided/self financed** and **permanently** affiliated to **Jawaharlal Nehru Technological University, Hyderabad**. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head '**Non-Government, self financed** Colleges teaching upto **Master's Degree**':-

Name of the College	Year of Establishment	Remarks
Geethanjali College of Engineering & Technology, Cheeryal (V), Keesara (M), Ranga Reddy Dist. – 501 301, Telangana.	2005	The College is now declared fit to receive Central assistance in terms of Rules framed under Section 12 (B) of the UGC Act, 1956. However, the College, being a self financing & unaided, would be eligible to receive UGC's support only in respect of teachers & students related schemes as per the decision of the Commission dated 8 <sup>th</sup> July 2011.

The Indemnity Bond and the other supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

(Charan Dass)  
Under Secretary

Copy to:-

1. The Principal, Geethanjali College of Engineering & Technology, Cheeryal (V), Keesara (M), Ranga Reddy Dist. – 501 301, Telangana.
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary Education & Higher Education, Shastri Bhavan, New Delhi – 110 001.
3. The Secretary (Higher Education), Government of Telangana, Block D, Ground Floor Secretariat, Hyderabad, (Telangana).
4. The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Telangana).
5. Publication Officer, (UGC-Website), New Delhi.
6. Section Officer (F.D.-III Section) U.G.C., New Delhi.
7. Guard file.

(Sunita Khanna)  
Section Officer

**b. Details of recognition/approval by statutory/regulatory bodies other than UGC  
(AICTE, NCTE, MCI, DCI, PCI, RCI etc.)**

<b>Under Section/ clause</b>	<b>Day, Month and Year (dd-mm-yyyy)</b>	<b>Validity</b>	<b>Recognition/Approval details Institution/ Department/ Programme</b>
JNTUH	17.01.2017	A Y 2016-17	UG: CE, EEE, ME, ECE, CSE PG: ES, VLSI, PE, CSE, MB
JNTUH (Permanent affiliation)	20.01.2014	5 years up to AY 2018-19	
NBA	01-07-2015	3 years up to 30.06.2018	CSE, EEE, ECE, departments

(Enclosed the Certificate of recognition/approval)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
(Established by Act No. 30 of 2008)  
Kukatpally, Hyderabad - 500 085, Telangana, INDIA

**CERTIFICATE**

Date:17.01.2017

No.D1/1290/2017

This is to certify that Geethanjali College of Engineering and Technology, Cheeryal (V), Keesara (M), Ranga Reddy District is affiliated to Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, since its establishment in 2005. Presently the College is offering UG & PG courses for the academic year 2016-2017 as approved by the University/AICTE as detailed below:

Sl. No	Name of the Course	Duration	Permanent/Temporary Affiliation	Period validity for the year
1.	B.Tech Civil Engineering	4 years	Temporary	2016-17
2.	B.Tech Computer Science and Engineering	4 years	Temporary	2016-17
3.	B.Tech Electronics & Communication Engineering	4 years	Temporary	2016-17
4.	B.Tech Electrical & Electronics Engineering	4 years	Temporary	2016-17
5.	B.Tech Mechanical Engineering	4 years	Temporary	2016-17
6.	M.Tech Computer Science and Engineering	2 years	Temporary	2016-17
7.	M.Tech Embeded System	2 years	Temporary	2016-17
8.	M.Tech VLSI System Design	2 years	Temporary	2016-17
9.	M.Tech Power Electronics	2 years	Temporary	2016-17
10	MBA	2 years	Temporary	2016-17

Name: Dr.N.Yadaiah  
Designation: REGISTRAR

  
Competent Authority  
(with Name, Designation, Seal and Signature)



Grams: "TECHNOLOGY"  
E Mail: pa2registrar@jntuh.ac.in



Phone: Off: +91-40-32422253  
Res: +91-40-32517275  
Fax: +91-40-23158665

PROCEEDINGS OF THE  
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
(Established by Andhra Pradesh Ordinance No. 30 of 2008)  
Kukatpally, Hyderabad – 500 085, Andhra Pradesh (India)

2014-15

Procds. No.AAC/Permanent Affiliation Geetanjali CET/2014

Date: 20-01-2014

Sub: JNTUH – UAAC – Grant of Permanent Affiliation to "Geetanjali College of Engg & Technology, Cheeryal, Keesara (M), Ranga Reddy Dist" from the academic year 2014-15 to 2018-19 - Orders Issued

- Read: 1. Letter No.GCET/JNTUH-AAC/172/2013-14, dt: 20-12-2013 received from the Principal, Geetanjali College of Engg &Technology.  
2. UAAC/Affi/FFC-Inspections-Permanent / Temporary Affiliation/2014, dated 23-12-2013  
3. FFC Report dated: 27-12-2013.  
4. The approved Guidelines in the EC of JNTUH in its Tenth meeting, dated 14-12-2012.  
5. Note file orders of the Vice- Chancellor, dated 20-01-2014.

\*\*\*

**ORDER:**

1. The Principal, "Geetanjali College of Engg & Technology, Cheeryal, Keesara (M), Ranga Reddy Dist" has submitted an application for grant of Permanent Affiliation by JNTUH from the Academic Year 2014-15 vide (1) read above. The University has constituted a Fact Finding Committee to examine the proposal for considering the grant of Permanent Affiliation of the College vide (2). The Fact Finding Committee has inspected the college and submitted its report to the University vide (3). Based on the existing Guidelines for Permanent Affiliation vide (4) and the minutes of Standing Committee for Affiliation vide (5) the College is fulfilling the requirements for grant of Permanent Affiliation.
2. In this connection, the Vice-Chancellor is pleased to grant Permanent Affiliation to "Geetanjali College of Engg & Technology, Cheeryal, Keesara (M), Ranga Reddy Dist" to offer UG, PG Degree Courses in the following disciplines with the intake shown against each for 5 years from the Academic Year 2014-15 to 2018 -19.

SNo.	Name of the Course	INTAKE
1.	Computer Science & Engineering	240
2.	Information Technology	120
3.	Electrical & Electronics Engineering	60
4.	Electronics & Communication Engineering	240
5.	Mechanical Engineering	120
6.	MBA	60
7.	M.Tech- Electronics and Communication Engineering	18
8.	M.Tech-Embedded Systems	30
9.	M.Tech- Computer Science and Engineering	30
10.	M.Tech-Software Engineering	18
11.	M.Tech- VLSI System Design	18
12.	M.Tech- Computer Science (2 <sup>nd</sup> Shift)	18
13.	M.Tech- Machine Design (2 <sup>nd</sup> Shift)	18

Contd..2

The Permanent Affiliation is subject to the following conditions:

1. The Management shall follow the norms of UGC/ AICTE and the rules of Affiliation of JNTUH Hyderabad in all respects.
2. The Management shall follow the Academic Regulations and Examination Schedules of JNTUH Hyderabad.
3. The appointment of the Principal shall be ratified by the University.
4. The College shall have 65% of the Faculty ratified by JNTUH.
5. The University will monitor the existing courses and inspect all the new courses / increase in intake for every Academic Year before start of the counseling process.
6. During the period of Permanent Affiliation, the college needs to submit annual report along with Application, Inspection and Affiliation Fees and dues, if any.
7. The University can withdraw the Permanent Affiliation at any point of time if the college does not satisfy the standards and norms as set by the University for Affiliation.
8. Affiliation and Inspection Fee dues, if any, shall be cleared before receiving these proceedings.

REGISTRAR

To  
The Director / Principal,  
Geethanjali College of Engg & Technology,  
Cheeryal, Keesara Mdl, Ranga Reddy Dt.

Copy to:  
The Chairman/Secretary, Geethanjali College of Engg & Technology, Cheeryal, Keesara Mdl, Ranga Reddy, Hyderabad  
The Principal Secretary, Dept. of Higher Education (EC-1) Dept. Govt. of Andhra Pradesh, Secretariat, Hyderabad-500 028  
The P.A. to Chairman, Andhra Pradesh State Council of Higher Education, JNTU Old Campus, Masab Tank, Hyderabad-500 028  
The Secretary, A.P. State Council of Higher Education, JNTU Old Campus, Masab Tank, Hyderabad-28.  
The Commissioner of Technical Education, BRKR Govt. Office Complex, Hyderabad  
The Secretary, University Grants Commission, New Delhi-110002  
The Member Secretary, All India Council for Technical Education, New Delhi - 110002.  
Copy to the PA to the Vice-Chancellor.  
Copy to the PA to the Rector.  
Copy to the PA to the Registrar.  
Copy to the DAP, JNTUH, Hyderabad.  
Copy to the Director of Evaluation, JNTUH, Hyderabad.

G.C.E.T/067/2015-16, dt-09-11-2015

### NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4<sup>th</sup> Floor, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110 003  
Tel: +91 11 2436 0520-22, 2436 0654 Telex: +91 11 2436 0692  
Website: www.nbaa.org



Dated: 23-10-2015

E.No.11-145-2010-NBA

To,

The Principal  
Geethanjali College of Engineering & Technology,  
Sy. No. 33 & 34, Cheeryal (V),  
Keesara (M), Ranga Reddy District,  
Hyderabad, Telangana-501301.

Subject: Accreditation status of programs applied by Geethanjali College of Engineering & Technology, Sy. No. 33 & 34, Cheeryal (V), Keesara (M), Ranga Reddy District, Hyderabad, Telangana -501301.

Sir,

This has reference to your application dated 07.04.2014 in Tier-II document seeking accreditation by National Board of Accreditation to the UG Engineering programmes offered by Geethanjali College of Engineering & Technology, Sy. No. 33 & 34, Cheeryal (V), Keesara (M), Ranga Reddy District, Hyderabad, Telangana -501301.

2. An Expert Team conducted on-site evaluation of the programs during 18th to 20th September, 2015. The Report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the accreditation status to the following programs as given in the table below:

Sl. No.	Name of the Programs (UG)	Basis of Evaluation	Accreditation Status	Period of Validity w.e.f. 01.07.2015	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Electronics & Communication Engineering	Tier-II document	Provisionally Accredited	2 years {587 marks awarded by the visiting team reduced to 581 as per the observations made indicated in the Annexure to this letter}	Accreditation status granted is valid for the period indicated in col.5 or till the program has the approval of the competent authority, whichever is earlier.
2.	Electrical & Electronics Engineering		Provisionally Accredited	2 years {670 marks awarded by the visiting team reduced to 632 as per the observations made indicated in the Annexure to this letter}	
3.	Computer Science & Engineering		Provisionally Accredited	2 years {655 marks awarded by the visiting team reduced to 641 as per the observations made indicated in the Annexure to this letter}	

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

*Chand* Contd...



4. The above programmes have been granted provisional accreditation for 2 years. As such, Geethanjali College of Engineering & Technology, Sy. No. 33 & 34, Cheeryal (V), Keesara (M), Rang Reddy District, Hyderabad, Telangana - 501301, should submit the Self-Assessment Report alongwith a Compliance Report at least after one year to be considered by the Engineering Evaluation and Accreditation Committee (EEAC) to formulate a view whether compliance report is enough to recommend for accreditation or a visit to the Institute is necessary. The recommendations of the EEAC will be considered by the Sub-Committee of Academic Advisory Committee of Engineering for a decision.

5. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to Geethanjali College of Engineering & Technology, Sy. No. 33 & 34, Cheeryal (V), Keesara (M), Rang Reddy District, Hyderabad, Telangana - 501301 as a whole. As such, the Institute should mention along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not institution accreditation. If with an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of programs and the period of validity of accreditation, as well as the date from which the accreditation is effective, should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

6. The accreditation status of the above programs is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programs as indicated in the table in paragraph 2, appears on the website and information bulletin of your Institute.

7. The accreditation status awarded to the programs as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

8. Copies of Report of Chairman of the Visiting Team and Evaluators' Reports in respect of the above programmes are also enclosed.

9. If the Institute is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,  
  
 Dr. Anil Kumar Nagesh  
 Member Secretary

Encls: 1. Copy of Report of Chairman of the Visiting Team.  
 2. Copies of Expert Reports of the Visiting Team.

Copies to:

1. Directorate of Technical Education,  
 5th and 6th Floor, B.R.H. Bhavan,  
 Tankbund Road, Hyderabad,  
 Hyderabad, 500 062
2. The Registrar  
 Jawahar Nello Technological University,  
 Nijampally, Hyderabad - 500 085
3. The Principal Secretary (Higher Education) Govt. of Andhra Pradesh,  
 J Block, 4th Floor, Secretariat Building,  
 Hyderabad - 500 022
4. Accreditation file
5. Master Accreditation File of the State

## 9. Has the college been recognized

### a. By UGC as a College with Potential for Excellence (CPE)?

Yes  No

### b. For its contributions / performance by any other governmental agency?

Yes  No

## 10. Location of the campus and area:

Location*	Rural
Campus area in sq. mts.	40, 469
Built up area in sq.mts.	23, 220

(\* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

**11. Does the College have the following facilities on the campus (Tick the available facility)? In case the College has an agreement with other agencies in using such facilities provide information on the facilities covered under the agreement.**

- Auditorium/seminar complex
- Sports facilities
- \* play ground
- \* swimming pool
- \* gymnasium
- Hostel
- \* Boys' hostels
- \* Girls' hostels
- Residential facilities
- \* for teaching staff
- \* for non teaching staff
- Cafeteria
- Health centre –
- \* First aid facility
- \* Inpatient facility
- \* Outpatient facility
- \* Ambulance facility
- \* Emergency care facility

Health centre staff –

- \* Qualified doctor      Full time      Part-time
- \* Qualified Nurse      Full time       Part-time

\* Other facilities

- Bank
- ATM
- post office
- book shops
- Transport facilities
- \* for students
- \* for staff
- Power house
- Waste management facility :

**12. Details of programmes offered by the institution : (Give data for current academic year)**

SI No	Programme level	Name of programme /course	Duration (years)	Entry Qualification	Medium of instruction	Sanctioned/ approved Student intake	No. of students admitted
UG							
1	UG	B.Tech (CSE)	4	10+2	English	240	240
2	UG	B.Tech (ECE)	4	10+2	English	240	239
3	UG	B.Tech (EEE)	4	10+2	English	120	111
4	UG	B.Tech (ME)	4	10+2	English	120	114
5	UG	B.Tech (CE)	4	10+2	English	120	113
PG							
1	PG	M.Tech (ES)	2	B.Tech	English	30	9
2	PG	M.Tech (CSE)	2	B.Tech	English	30	17

3	PG	M.Tech (VLSI)	2	B.Tech	English	18	4
4	PG	M.Tech (PE)	2	B.Tech	English	18	6
5	PG	MBA	2	Any UG Degree	English	60	49

**13. Does the institution offer self-financed Programmes ?**

Yes  No

If yes, how many?

B. Tech, M. Tech and MBA

**14. Whether new Programmes have been introduced during the last five years?**

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

If yes

Number	3
--------	---

S. No	Under Graduate/ Post Graduate	Course	Year of Introduced
1	PG	M.Tech Power Electronics	2014
2	UG	B.Tech Civil Engineering	2014
3	PG	M.Tech VLSI System Design	2012

**15. List the departments: (Do not list facilities like library, Physical Education as departments unless these are teaching departments and offer programmes to students)**

Particulars		Number	Number of Students
Science and Humanities:	Under Graduate	01	817
Others:			
Engineering:	Under Graduate	05	2202
	Post Graduate	03	60
Management Studies:	Post Graduate	01	97

**16. Are there any UG and/or PG programmes offered by the College, which are not covered under Autonomous status of UGC? Give details.**

No

**17. Number of Programmes offered under (Programme means a degree course like B. A, M. A, B. Sc, M. Sc, B. Com etc.)**

- a. annual system  X
- b. semester system  10
- c. trimester system  X

**18. Number of Programmes with**

- a. Choice Based Credit System  10
- b. Inter/Multidisciplinary Approach  X
- c. Any other (specify)  X

**19. Unit Cost of Education**

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component  Rs. 91,235/-

(b) excluding the salary component  Rs. 42,000/-

**20. Does the College have a department of Teacher Education offering NCTE recognized degree programmes in Educations?**

Yes  No

If yes,

a. How many years of standing does the department have? NA  
..... years

b. NCTE recognition details (if applicable) NA

Notification No.: .....

Date: ..... (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately? NA

Yes  No

**21. Does the College have a teaching department of Physical Education offering NCTE recognized degree programmes in Physical Education?**

Yes  No

If yes,

a. How many years of standing does the department have? NA  
..... years

b. NCTE recognition details (if applicable) NA

Notification No.: .....

Date: ..... (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately? NA

Yes  No

**22. Whether the College is offering professional programme?**

Yes  No

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
(Established by Act No. 30 of 2008)  
Kukatpally, Hyderabad - 500 085, Telangana, INDIA

**CERTIFICATE**

Date:17.01.2017

No.D1/1290/2017

This is to certify that Geethanjali College of Engineering and Technology, Cheeryal (V), Keesara (M), Ranga Reddy District is affiliated to Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, since its establishment in 2005. Presently the College is offering UG & PG courses for the academic year 2016-2017 as approved by the University/AICTE as detailed below:

Sl. No	Name of the Course	Duration	Permanent/Temporary Affiliation	Period validity for the year
1.	B.Tech Civil Engineering	4 years	Temporary	2016-17
2.	B.Tech Computer Science and Engineering	4 years	Temporary	2016-17
3.	B.Tech Electronics & Communication Engineering	4 years	Temporary	2016-17
4.	B.Tech Electrical & Electronics Engineering	4 years	Temporary	2016-17
5.	B.Tech Mechanical Engineering	4 years	Temporary	2016-17
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7.	M.Tech Embeded System	2 years	Temporary	2016-17
8.	M.Tech VLSI System Design	2 years	Temporary	2016-17
9.	M.Tech Power Electronics	2 years	Temporary	2016-17
10	MBA	2 years	Temporary	2016-17

Name: Dr.N.Yadaiah  
Designation: REGISTRAR

  
Competent Authority  
(with Name, Designation, Seal and Signature)







**All India Council for Technical Education**  
 (A Statutory body under Ministry of HRD, Govt. of India)  
 7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-India.org](http://www.aicte-India.org)

F.No. South-Central/1-2813201911/2016/EOA

Date: 25-Apr-2016

To,

The Principal Secretary  
 (Higher Education) Govt. of Telangana,  
 D Block, 117 Telangana Secretariat,  
 Hyderabad

**Sub: Extension of approval for the academic year 2016-17**

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F.No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	South-Central	Application Id	1-2813201911
Name of the institute	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY	Permanent Id	1-5993199
Name of the Society/Trust	TEJA EDUCATIONAL SOCIETY	Institute Address	CHEERYAL VILLAGE, KEESARA MANDAL, RANGAREDDY DISTRICT, ANDHRA PRADESH., HYDERABAD, RANGAREDDI, Telangana, 501301
Institute Type	Unaided - Private	Society/Trust Address	2-1-88/1,ANAND NAGAR X-ROAD,BANDLAGUDA VILLAGE,NAGOLE,HYDERABAD,RANGAREDDI,Andhra Pradesh,500058

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2813201911			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / EN / Gulf quota Approval status	Foreign Collaboration/Twinning Program Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University,	30	30	NA	NA	NA

*S. Narayana*  
**PRINCIPAL** *Self-Attested*

Application Number: 1-2813201911

Note: This is a Computer generated Report.No signature is required

**Geethanjali College of Engg. and Tech**  
 Cheeryal (V), Keesara (M), R.R. Dist. (A.P.)-501 301

Page 1 of 4  
 Letter Printed On:29 July 2016

Printed By : AE2328431



All India Council for Technical Education  
 (A Statutory body under Ministry of HRD, Govt. of India)  
 7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-India.org](http://www.aicte-India.org)

GY		TE			Kukatpally					
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	EMBEDDED SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	30	30	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	POWER ELECTRONICS	FULL TIME	Jawaharlal Nehru Technological University, Hyderabad	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI SYSTEM DESIGN	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Hyderabad	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	240	240	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	60	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	240	240	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	120	120	NA	NA	NA
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	60	60	NA	NA	NA

The above mentioned approval is subject to the condition that GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY shall

*S. Nagaraj*  
 PRINCIPAL Self-Attested

Application Number: 1-2813201911  
 Note: This is a Computer generated Report.No signature is required.  
 Printed By : AE2326431

Geethanjali College of Engg. and Tech  
 Cheeryal (V), Keesara (M), R.R. Dist. (A.P.)-501 304  
 Page 2 of 4  
 Letter Printed On:29 July 2016



All India Council for Technical Education  
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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-India.org](http://www.aicte-India.org)

follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

Course(s) Applied for Closure by the Institute for the AY 2016-17:

Application Id: 1-2813201911			Name of the Course	Full/Part Time	Affiliating Body	Course Closure Status
Program	Shift	Level				
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	COMPUTER SCIENCE : (Last Approved Intake 18)	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	Pending <sup>§</sup>
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	MACHINE DESIGN : (Last Approved Intake 18)	FULL TIME	Jawaharlal Nehru Technological University, Kukatpally	Pending <sup>§</sup>

<sup>§</sup> due to non submission of NOC's from University / Board and / or State Government

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

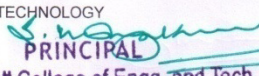
Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at [www.aicte-india.org](http://www.aicte-india.org)

Dr. Avinash S Pant  
Vice - Chairman, AICTE

Copy to:

1. The Regional Officer,  
All India Council for Technical Education  
First Floor, old BICARD Building  
Jawaharlal Nehru Technological University  
Masab Tank, Hyderabad-500076
2. The Director Of Technical Education,  
Telangana
3. The Registrar,  
Jawaharlal Nehru Technological University, Hyderabad
4. The Principal / Director,  
GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

  
PRINCIPAL  
Geethanjali College of Engg. and Tech  
Cheeryal (V), Keesara (M), R.R. Dist. (A.P.)-501 301

Self-Attested

Application Number: 1-2813201911

Note: This is a Computer generated Report.No signature is required.

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Letter Printed On:29 July 2016



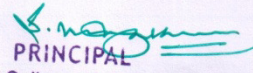
All India Council for Technical Education  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-India.org](http://www.aicte-India.org)

CHEERYAL VILLAGE, KEESARA MANDAL , RANGA REDDY DISTRICT, ANDHRA PRADESH.,  
HYDERABAD,RANGAREDDI,  
Telangana,501301

5. The Secretary / Chairman,  
TEJA EDUCATIONAL SOCIETY  
2-1-88/1,ANAND NAGAR X-ROAD,BANDLAGUDA VILLAGE,NAGOLE,  
HYDERABAD,RANGAREDDI,  
Andhra Pradesh,500068
6. Guard File(AICTE)

Self-Attested

  
PRINCIPAL

Geethanjali College of Engg. and Tech  
Cheeryal (V), Keesara (M), R.R. Dist. (A.P.)-501 301

**23. Has the College been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.**

Once in a year Fact Finding Committee from JNTUH inspects our facilities and academic activities before granting affiliation for that year. JNTUH has been extending affiliation every year since 2005-06 when the first affiliation was granted.

**24. Number of teaching and non-teaching positions in the College**

Positions	Teaching faculty						Non – teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC/University/state Government Recruited/Yet to recruit	27	9	27	26	102	99	-	-	-	-
Sanctioned by the Management / Society or other authorized bodies Recruited/yet to recruit	-	-	-	-	-	-	20	23	27	7

**\*M – Male \*F – Female**

25. **Qualifications of the teaching staff**

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc / D.Litt.	----	-----	-----	-----	-----	-----	-----
Ph.D.	21	10	4	5	-	-	40
M.Phil	1	--	2	1	2	1	07
PG	6	--	24	17	100	98	245
Grand Total							292
Temporary teachers	NIL						

26. **Number of Visiting Faculty/ Guest Faculty engaged by the College.**

NIL
-----

27. **Students enrolled in (admitted to) the College during the current academic year, with the following details:**

student	UG		PG	
	M	F	M	F
Students from the same state where the college is located	643	316	41	44
Students from other states of India	-	-	-	1
NRI students	-	-	-	-
Foreign students	-	-	-	-
Total	643	316	41	45

\* M - Male \* F – Female

**28. Dropout rate in UG and PG (average for the last two batches)**

UG  PG

**29. Number of working days during the last academic year.**

**30. Number of teaching days during the last academic year**

**31. Is the College registered as a study centre for offering distance education**

**Programmes for any University ?** Yes  No

If yes, provide the

**a. Name of the University**

**b. Is it recognized by the Distance Education Council? NA**

Yes  No

**c. Indicate the number of programmes offered.**

**32. Provide Teacher-student ratio for each of the programme/course offered.**

Program	UG	PG
CE	1:8.9	-
CSE	1:13.3	M. Tech (CSE) 1: 12
EEE	1:9.47	M. Tech in Power Electronics (1:12)
ECE	1:13	M. Tech in VLSI-SD (1:9) M. Tech in ES (1:12)
ME	1:10.58	-
-	-	MBA (1:8)

This ratio is apart from the faculty who handle courses of “Science and Humanities”. The faculty strength of Science and Humanities is 54.

**33. Is the College applying for?**

Accreditation: Cycle 1  Cycle 2  Cycle 3  Cycle 4

Re-Assessment:

**34. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)**

**Cycle 1: ..... (dd/mm/yyyy) Accreditation outcome/results**

**Cycle 2: ..... (dd/mm/yyyy) Accreditation outcome/results**

**Cycle 3: ..... (dd/mm/yyyy) Accreditation outcome/results \* Kindly enclose copy of accreditation certificate(s) and peer team report(s)**

**Cycle 1 refers to first accreditation; Cycle 2 and beyond refers to reaccreditation**

Not applicable

**35. a. Date of establishment of Internal Quality Assurance Cell (IQAC)**

.....(dd/mm/yyyy)

IQAC was established on 11.06.2016

**b. Dates of submission of Annual Quality Assurance Reports (AQARs). -NA-**

(i) AQAR for year ..... on .....(dd/mm/yyyy)

(ii) AQAR for year ..... on ..... (dd/mm/yyyy)

(iii) AQAR for year ..... on ..... (dd/mm/yyyy)

(iv) AQAR for year ..... on..... (dd/mm/yyyy)



**36. Any other relevant data, the College would like to include. (Not exceeding one page)**

The Unique features of the college are:

- a. Excellent library facilities that includes digital library facilities provide opportunities for self learning by students
- b. The teaching learning process is based on Outcome Based Education, which emphasizes on practical orientation to learning and teaching-learning beyond the syllabus.
- c. All the faculty are well qualified and highly competent in their respective specializations. The college has more than 40 PhD's, constituting about 15% of faculty strength.
- d. The college is recognized as Scientific and Industrial Research Organization (SIRO) by the department of Science and Technology, Government of India. The students have opportunity to associate themselves in research projects.
- e. Over 10% faculty have industrial experience and about 8% faculty have international experience.
- f. The curriculum includes foreign languages as well as Humanities as open electives and a sizeable number of students avail themselves of this facility. This ensures liberal education.
- g. The college conducts Business English certificate program in collaboration with British Council of India.
- h. Some of the elective courses offered by the college have laboratory component which gives better insight into practical engineering aspects.
- i. The college conducts Oracle certified programming courses.
- j. In first year, though our sanctioned intake for UG program is 840 consisting of 14 sections with each 60 students, we have divided these 840 students into 17 sections thereby limiting the class size to less than 50. This has greatly improved the teacher student interaction in the classroom and in the lab which has considerably enhanced teaching-learning process.
- k. One/Two students per work bench in labs significantly enhance learning of students.
- l. Three UG programs of the college are accredited by NBA and the college is certified to ISO 9001-2008 quality system.
- m. Introduction of computational Mathematics lab for all engineering branches is a distinct feature, which considerably enhances the analytical/ critical thinking and further sharpens the programming skills of students.
- n. College has a nodal center of "Vivekananda Institute of Human Excellence" which provides value based education.

## PART 2 - CRITERIA - WISE INPUTS

### Criterion I: Curricular Aspects

#### 1.1 Curriculum Design and Development

##### 1.1.1 How are the institutional vision and mission reflected in the academic programs of the College?

###### Mission and Vision of the Institution

###### Vision:

"Geethanjali visualizes dissemination of knowledge and skills to students, who would eventually contribute to the well being of the people of the nation and global community."

###### Mission:

- To Impart adequate fundamental knowledge in all basic sciences and engineering, technical and inter-personal skills to students.
- To bring out creativity in students that would promote innovation, research and entrepreneurship.
- To preserve and promote cultural heritage, humanistic and spiritual values promoting peace and harmony in society.

Based on the Vision and Mission of the College, departments were given a questionnaire which was used as a basis to define their respective Vision and Mission. All departments have thus established their respective vision and mission. Towards achieving the vision and mission of the college, each department has proposed their programs' educational objectives and their respective program outcomes.

All the program educational objectives have, at their core, the following:

To prepare graduates

1. With a good foundation in mathematics, sciences and engineering fundamentals required to solve engineering problems that will facilitate them to find employment in industry and / or to pursue postgraduate studies with an appreciation for lifelong learning.
2. With analytical and problem solving skills to address engineering problems pertaining to development of society, inculcate professional ethics, and inter-personal skills to work in a multi-cultural team.
3. To get familiarized with state of the art technologies, stimulating creativity and innovation that would enable them to develop cutting-edge technologies of multi-disciplinary nature for societal development.

Typical program outcomes considered are graduate attributes of any engineering graduate, which are essentially the following:

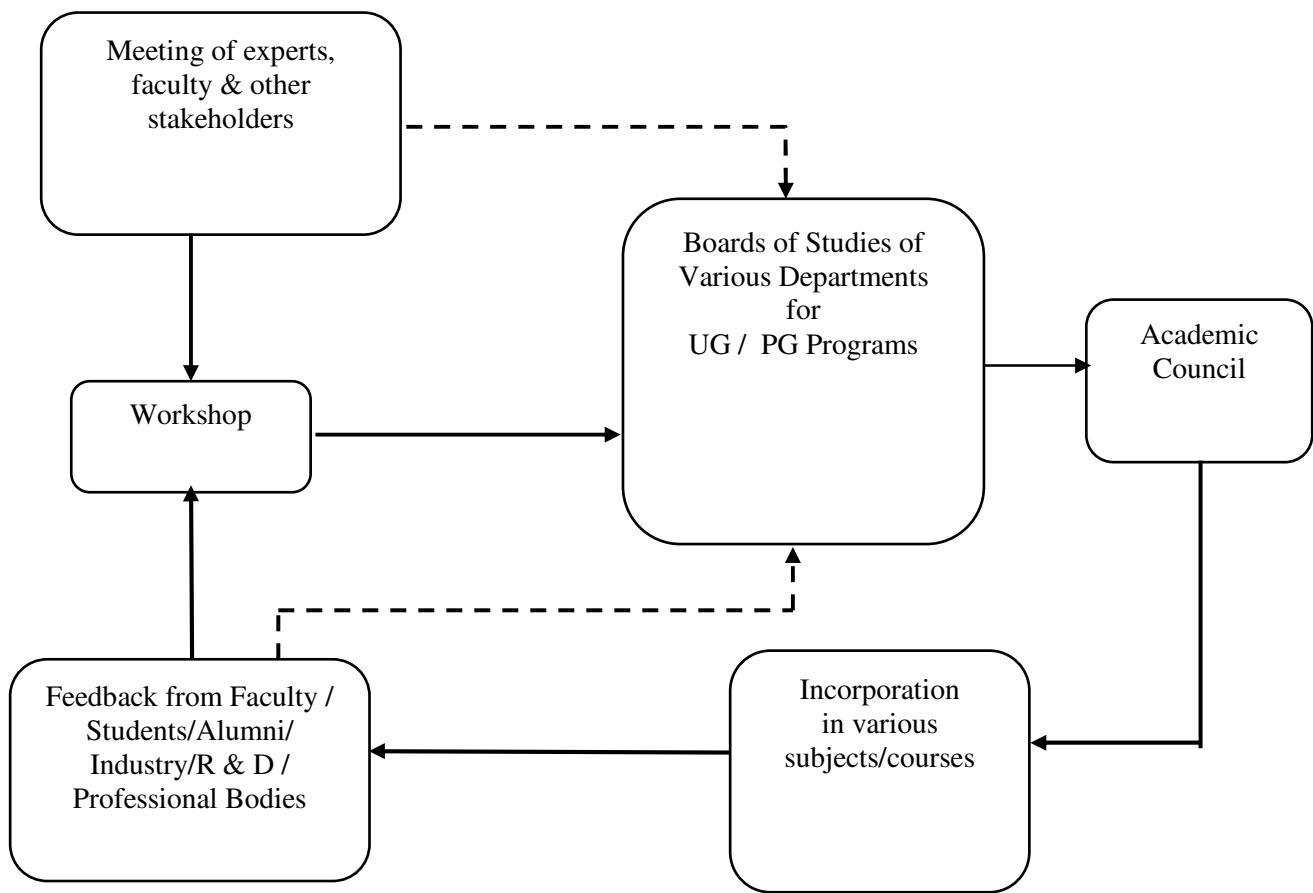
1. An ability to apply knowledge of mathematics, science and engineering to develop and analyze computing systems.
2. An ability to identify, define and analyze a problem and subsequently find appropriate solution under given constraints.
3. An ability to perform experiments to analyze and interpret data for different engineering applications.
4. An ability to design, implement and evaluate systems, and processes to meet desired needs within realistic constraints of time and space.
5. An ability to use current techniques, skills and modern engineering tools necessary to practise as an engineering professional.
6. An ability to recognize the importance of professional, ethical, legal, security and social issues and addressing these issues as a professional.
7. An ability to analyze the local and global impact of systems /processes/applications/ technologies on individuals, organizations, society and environment.
8. An ability to function in multidisciplinary teams.
9. An ability to communicate effectively with a range of audiences.
10. Demonstrate knowledge and understanding of the engineering, management and economic principles and apply them to manage projects as a member and leader in a team.
11. A recognition of the need for and an ability to engage in life-long learning and continuing professional development
12. Knowledge of contemporary issues.
13. An ability to apply design and development principles in producing systems of varying complexity using various project management tools.
14. An ability to identify, formulate and solve innovative engineering problems.

All the above aspects of Program Educational Objectives and Program Outcomes are considered in the design of curriculum for various programs, and assessment methods are designed thereby paving a path to achieve the vision and mission of the college.

### **1.1.2 Describe the mechanism used in the design and development of the curriculum. Give details on the process (Need Assessment, Feedback, etc)**

Our philosophy of curriculum design is aimed at enhancing flexibility in providing holistic education and improving the academic standards to achieve excellence.

The Curriculum Design Model adopted by the college in the organization of its curricula is given hereunder:-



The College has constituted Board of Studies (BoS) for all departments. Each BoS consists of senior and experienced faculty of the concerned department, external subject experts from industry, academia, R & D organizations and the university which monitors the academic and other aspects governing the college. These BoS, support college's UG and PG programs in the preparation and revision of curriculum. While preparing curriculum and subsequent revisions, each respective BoS considers vision and mission of the college along with the respective department's vision and mission, then the same is put up before the College Academic Council which consists of college senior faculty members, and external experts from industry, academia, University that monitors the academic and other aspects governing the college, legal expert and other persons of eminence from society. Their inputs are taken for further revision, if any, so that the institutional vision and mission are reflected in each program offered by the college.

In the process of curriculum design and moving towards the objective of preparing students who would be able to contribute significantly for the development of our nation in particular, and the world in general, the BoS and College Academic Council (CAC) peruses the curriculum, guidelines

and academic regulations prescribed by the monitoring University, JNTUH and other reputed institutions including a few well known universities abroad.

Even prior to its conferment of autonomous status, the college had been organizing and participating in Curriculum Development Workshops for quite some time and reviewing its curriculum. This involved participation of experts from Industry, R&D Establishments and Academic Peers along with its own Faculty members. After a threadbare discussion a draft on the proposed curriculum was being prepared by the concerned department of the college, and subsequently presented to the various Boards of Studies of the affiliating University.

Subsequent to its conferment of autonomous status, the college has constituted Board of Studies (BoS) for all departments. Each BoS consists of senior and experienced faculty of the concerned department, external subject experts from industry, academia, R & D organizations, members of professional bodies namely, IEEE, ASME, ASCE, etc., academic peers from reputed institutes and the university which monitors the academic and other aspects governing the college. These BoS, support college's UG and PG programs in the preparation and revision of curriculum. While preparing curriculum and subsequent revisions, each respective BoS considers the vision and mission of the college along with the respective department's vision and mission, then the same is put up before the College Academic Council which consists of college senior faculty members, and external experts from industry, academia, three senior faculty members of the university that monitors the academic and other aspects governing the college, legal expert and other persons of eminence from society. Their inputs are taken for further revision, if any so that the institutional vision and mission are reflected in each program offered by the college. The final proposals are subsequently presented to the Boards of Studies for approval, and finally after the acceptance of the proposals by the Boards of Studies, the same are put for consideration to the College Academic Council. The present curriculum bears the seal of approval of the college Academic Council, having gone through all the aforesaid stages.

In this process, inputs from Students, Alumni and Employers are also taken into consideration through curriculum feedback. The Boards of Studies comprising experts from industry, R&D and academia discuss the relevance of the current courses offered for each of the programs or disciplines. They also discuss the suggestions given by students Alumni, Industry experts and others and take appropriate decisions in framing or designing the curriculum.

Enough care is taken to ensure the attitude of the Graduate becomes positive by giving inputs which, of course, are not course related, but touch human life, at large, that is, by incorporating the course titled "Human Values, and Professional Ethics"

In the design of curriculum, students are provided ample opportunities of working in teams under various situations so that they value the benefits of cooperation and team work. This is ensured by group project and final Semester end project.

Curriculum is designed such that the main frame of the program structure and the syllabi are within the framework of the norms stipulated by UGC and AICTE. The defining element of the curriculum is "Choice Based Credit System (CBCS)", wherein the teaching learning process is student centric with wide range of courses to choose from.

The curriculum is designed using the model of "Outcomes Based Education", which **Promotes Thinking Process. College has been striving hard to ensure the following:**

- LEARNING through THINKING.
- Thinking is facilitated and encouraged by the PROCESSES that faculty use to engage students with the content, as well as by the CONTENT itself.
- The subject/course "DOES NOT EXIST IN ISOLATION": Facilitate students make LINKS to other subjects/courses, sometimes even multidisciplinary approach.
- Curriculum helps students "LEARN HOW TO LEARN", as students appreciate "thinking process" and "enjoy learning" thereby students become self explorers, who ultimately contribute to "Technological Advancements" for "Societal Development".

### **1.1.3 How does the college involve industry, research bodies, and civil society in the Curriculum design and development process? How did the college benefit through involvement of stakeholders?**

The College frequently interacts with industry, R & D establishments, members of professional bodies, alumni, senior and middle level faculty of the college, occasionally with government and community as well.

Feedback on the curriculum is taken from the above bodies, namely, industry, R & D establishments, members of professional bodies, alumni and the same are incorporated in the courses if the feedback demands a small change. However, if the feedback demands a major

change, the same will be discussed in respective BoS and again in the academic council, and if it warrants a change, it is incorporated.

**Curriculum Designers always:**

- Assess the needs of the students, employers, industry, and R & D establishments in achieving the desired curriculum development
- Identify avenues for support, for example, IT, the library, teaching skills development, and access to teaching resources
- Provide skill development, where necessary
- Provide additional assistance or advice as appropriate
- Liaise with IT for appropriate training and assistance
- Establish networks with exemplary mentors, and benchmarks for good practice during the delivery of the curriculum
- Refer to any relevant policies of institutional and other professional bodies, governmental agencies' policies/guidelines such as AICTE/UGC/or any other relevant bodies' assessment guidelines and provide an overview and access to relevant empirical and theoretical literature to inform their practice.

The approach is a guided, consultative developmental process with continuous feedback until the goals are achieved and evaluated producing satisfactory results that are sustainable. The exercise is conducted periodically with a frequency of one year.

**Evidence of success of involvement of stakeholders in the design of curriculum is attributed to the following:**

- Graduated student survey results are consistently high.
- Alumni of the institute are performing very well in their chosen field of interest.
- Employers/recruiters of the graduated students continue to recruit more graduates on a sustainable basis.
- Activities and programs are constantly benchmarked with other institutions of higher repute.
- All learners and faculty enjoy national and international networks for benchmarking purposes.
- Regular feedback from everyone concerned is consistently praiseworthy.
- Student feedback on teaching - learning, and courses is consistently very good.

#### 1.1.4 How are the following aspects ensured through curriculum design and development?

- **Employability** - The college prepares the students for imbibing analytical thinking, problem solving skills, creativity, innovation, soft skills, programming skills, etc, which are essential for good performance in a job. These skills are imparted to the student as part of the curriculum. The students are sufficiently trained to acquire the ability to learn new concepts and apply them to various engineering problems. The institute aims to train students not only for their first job but also facilitates them to be a lifelong learner.

Employability is also ensured by introducing industrial / field training and induction of professional electives in the program. Involvement of, and continuous interaction with, industry, R&D establishments and reputed Academic institutes for curriculum design as well as updating the same catering to the current trends, has been helping the institute in the industry absorbing our students for Summer training as well as for final placements to start their professional career.

Since the employer looks for a set of skills, knowledge, inputs and also positive attitude in a person that they employ, it is also ensured that the necessary skills set and knowledge inputs are given in a manner whereby the student is exposed to the above aspects mentioned so that the Graduates can be useful to the employer from day one and such Graduates contribute to the growth of the organization he / she works.

GCET has been striving hard to bridge the gap between the academia and the industry. In this direction, GCET has taken a good number of initiatives including establishment of a center for Creativity and Innovation. It invited a few experts from reputed academic institutions and industry to join the college as faculty members and has been fairly successful on this front. These faculty who have come from industry have been helping students in the design and development of creative and innovative projects.

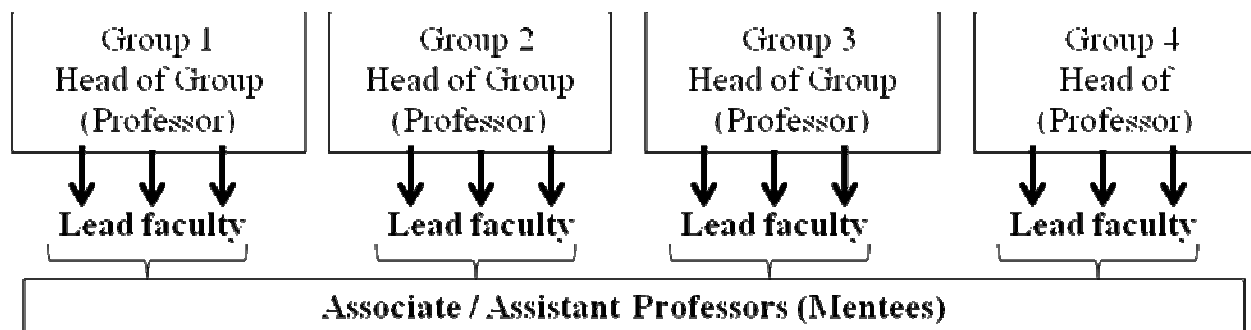
- **Creativity and Innovation** - College encourages hands on learning by introducing mini projects in most of its courses and quite often students are motivated to find innovative solutions while working on these projects. It is our fond hope that some of these projects will lead to start ups in the near future. In fact, the institute has recruited a handful of



faculty who have worked in industry for nearly two to three decades and they have been quite helpful in nurturing students in the execution of creative and innovative projects.

- **Research** - The goals of the institute are implemented by a novel institutional structure, which is as follows:
- Each department is divided into four or five divisions, with each division Chaired by a Senior Professor.
- Divisions are divided as per various specializations in the department.
- Faculty involved in teaching courses falling under a division are grouped under that particular division.
- Along with the senior Professor, a few other senior faculty of that division act as lead faculty and act as mentors to other faculty of that division and guide them in their academic pursuits.
- In each Group, two / three faculty members may be identified as lead faculty, by the Group Head and information passed on to the HoD.
- Group Head and the lead faculty would act as Mentors for other faculty members of that group and ensure the teaching-learning process is highly effective in the corresponding courses of that group / specialization.
- Lead faculty and other faculty of a group may interact very closely with the group Head on all academic / research matters belonging to the courses of the group

The structure mentioned is as follows:



The structure promotes

- A healthy mentor – mentee relationship among faculty
- More learning opportunities for junior faculty (mentees)
- Creation of a fairly good talent pool in various areas / specializations of the department
- Establishment and conduct of creative and innovative experiments in the lab courses

- Value added teaching – learning process through development of curriculum that promotes creativity and innovation in the students and faculty
- Research culture
- Better assessment and evaluation of students' performance
- Establishment of a second rung leadership in various specializations
- Smooth administration / functioning of the department

#### **1.1.5 How does the college ensure that the curriculum developed address the needs of the society and have relevance to the regional/national developmental needs?**

With the above departmental organizational structure, an innovative curriculum, a problem/project based pedagogy and an environment of inquiry all built carefully so as to have relevance to the regional / national aspirations and developmental needs of the society, the college has been ensuring that these needs are addressed.

The institute is, therefore, structured as research centers and not just simply departments. Hence, the curriculum has flexibility allowing even the undergraduates to do developmental work involving creative and innovative ideas. With some of the courses having mini projects and presentations, there is an environment of questioning and inquiry, development of interpersonal skills, effective communication skills, and healthy discussion on issues of professional ethics with humane touch. The institute conducts extension activities to spread the research culture and ethics to the best of its abilities.

Further, the curriculum is designed keeping in view its program educational objectives and program outcomes with more emphasis on problem solving skills, application of knowledge and skills to the development of cutting edge technologies for societal development thereby addressing the needs for regional and national progress.

**1.1.6 To what extent does the college use the guidelines of the regulatory bodies for developing or restructuring the curricula? Has the college been instrumental in leading any curricular reform which has created a national impact?**

The college uses various guidelines including ACM/IEEE, ASME, ASCE, AICTE guidelines for framing its curricula.

The curriculum is designed to facilitate students obtain liberal education, which has the potential to broaden their perspective and transform the world. The curriculum offers various designated courses namely, Hard Core, Soft Core, Basic Sciences Core, Engineering Sciences Core, Social Sciences and Humanities Core, Professional Electives along with Open Electives such that it ensures balance among these courses. These courses are introduced with the objective of enabling the students to go for further specialization in their chosen field of interest, if they so desire.

Some of the mandatory non-credit courses suggested by AICTE have been taken as credit based mandatory courses by the college to ensure seriousness of participation amongst the students in these courses. The curriculum is structured with **five theory and three laboratory** courses from second year first semester onwards up to fourth year first semester to facilitate more practical oriented teaching and learning with an emphasis on local and global needs. The support of the college management, which has been forthcoming for the provision of all the required facilities, including establishing additional labs and infrastructure is unstinted and commendable. The introduction of **Open Elective** courses along with **Foreign Language** promotes the philosophy of liberal education. Academic flexibility is maintained through a wide range of courses offered across departments.

Some of the mandatory non-credit courses suggested by AICTE have been taken as credit based mandatory courses by the college to ensure seriousness of participation amongst the students in these courses. The curriculum is structured with **five theory and three laboratory** courses from second year first semester onwards up to fourth year first semester to facilitate more practical oriented teaching and learning with an emphasis on local and global needs. The support of the college management, which has been forthcoming for the provision of all the required facilities, including establishing additional labs and infrastructure is unstinted and commendable. The introduction of **Open Elective** courses along with **Foreign Language** promotes the philosophy of liberal education.

## 1.2 Academic Flexibility

### 1.2.1 Give details on the following provisions with reference to academic flexibility

- Core / Elective options
- Enrichment courses
- Courses offered in modular form
- Credit transfer and accumulation facility
- Lateral and vertical mobility within and across programmes and courses

#### a. Core / elective options

Academic flexibility is maintained through a wide range of courses offered across departments.

Core courses are categorized into the following:

- Basic Sciences Core
- Engineering Sciences Core
- Humanities and Social Sciences Core
- Engineering Core
- Soft Core Electives
- Professional Electives
- Open Electives

Basic Sciences Core - The basic science and mathematics courses provide the necessary foundation for the engineering science courses. Engineering science core courses provide a strong fundamental basis for advanced study and subsequent specialization in engineering. Humanities and social sciences core courses provide effective oral and written communication skills and create an awareness of our cultural heritage and contemporary society.

All the core courses lay emphasis on concepts and principles. It involves teaching of courses in Basic Sciences, Humanities and Social Sciences and Engineering Science. Attention is also paid to develop communication skills in English language.

Basic science and Engineering science core courses facilitate

- Scientific thinking process
- Manifestation of scientific attitudes and generation of scientific interest
- Communicating effectively using scientific language and reasoning

- Demonstration of awareness of social and historical aspects of science
- Understanding of scientific investigations that use a variety of methods and do not always use the same set of procedures; understanding that there is not just one "scientific method."
- Understanding of scientific inquiry, characterized by a common set of values that include logical thinking, precision, open-mindedness, objectivity, skepticism, reliability of results and honest and ethical reporting of findings.

These values function as criteria in distinguishing between science and non-science.

### **Engineering core, soft core electives and professional electives courses**

The Professional courses lay emphasis on analysis, design, and professional practice. An in-built flexibility is provided to encourage students to specialize in streams of their choice through a system of soft core electives and professional electives. Over and above these electives, further flexibility in courses is provided through open electives, a few of these enhance employability. Design philosophy and practice are developed throughout the curriculum so as to relate analysis and design for various engineering problems pertaining to society and provide solutions for the same. Application of modern engineering and computational tools is required and therefore, is emphasized in a vast majority of courses. The college strives to foster among its students a strong desire and capacity for continuous learning as well as self appraisal to develop sterling human & professional qualities and a strong sense of service to society through designed, curricular, co-curricular activities and congenial campus environment.

#### **b. Enrichment courses**

Courses in humanities and social sciences are incorporated to develop appreciation of the impact of science and technology on society. Some of these courses are Environmental studies, Human Values, Ethics, Disaster Mitigation and Management, and Anthropology.

In addition, courses namely, Advanced English Communication Skills, Logical Reasoning, Quantitative ability, Banking and Insurance, Entrepreneurship facilitate higher employability. All these courses are aimed at promoting employability, value education and citizenship roles.

**c. Courses offered in modular form** - All courses are offered in modular form

#### **d. Credit transfer and accumulation facility**

The college follows semester system with credits earned in each semester. A student has to fulfill the required credits for award of the degree. College earnestly follows "Choice Based Credit

System (CBCS)" with a large amount of flexibility (in choices) available to the student, both in terms of courses to choose from and in sequencing of compulsory or core courses.

For Undergraduate programs, the college provides credit transfer facility. Students from other colleges can join the college if they have obtained credits for the courses and have accumulated the same in the courses offered by the college. Similarly, students of the college may also accumulate credits and get transferred these credits transferred to other college(s). Application with supporting documents is to be made to the college for this. Decision is taken on each case after examining the documents. The institute does not accept transfer students for postgraduate programs.

**e. Lateral and vertical mobility within and across programs and courses**

No, the monitoring university and the state government do not permit this kind of mobility.

**1.2.2 Have any courses been developed specially targeting international students? If so, how successful have they been? If 'no', explain the impediments.**

No. The college has not yet fully matured to attract international students and has never tried in that direction so far.

**1.2.3 Does the college offer dual degree and twinning programs? If yes, give details.**

No.

**1.2.4 Does the college offer self-financing programs? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programs?**

Yes. All the programs administered by the Institute are self- financing programs.

**1.2.5 Has the college adopted the Choice Based Credit System (CBCS)? If yes, how many programs are covered under the system?**

Yes, college has adopted Choice Based Credit System for all the programs from the academic year 2016-17 after receiving "Autonomous Status" from UGC.

**1.2.6 What percentage of programs offered by the college follows:**

- Annual system
- Semester system
- Trimester system

**Annual system:** None

**Semester System:** All programs offered by the college

**Trimester System:** None

### **1.2.7 What is the policy of the college to promote interdisciplinary programs? Name the programs and what is the outcome?**

The college firmly believes that engineering education itself is interdisciplinary. There is no engineering without creativity. Creativity is a key factor in a well-rounded design process; without creativity, there is no design. There are a number of practical methods for promoting creativity in design pedagogy, particularly, at the undergraduate level, including an interdisciplinary approach. However, an interdisciplinary approach has not been fully officially integrated into the college curriculum yet. We have made a beginning in creating an awareness about the importance of an interdisciplinary approach to engineering education and its benefits, described creativity traits, and drawn the links between an interdisciplinary approach and creativity. Design educators from various reputed institutions were invited to facilitate us in this approach by participating in a couple of workshops. The fundamental goal of these workshops was to find out how the integration of an interdisciplinary approach can effectively encourage creativity in the design of curriculum and pedagogy at the undergraduate level.

Design as a discipline keeps on evolving and thus design as a field is interdisciplinary in its nature. Hence, one needs to constantly re-define design education and, consequently, propose new pedagogical methods. Currently, design is considered as a combination of applied mathematics, applied science to solve engineering problems.

It is our earnest belief that an interdisciplinary approach to curriculum structure is the one in which the faculty integrate information, techniques, concepts, and theories from various disciplines and other fields of study to advance students' capacity to understand issues and propose new solutions that may extend beyond the scope of any level of imagination.

It is our conviction that interdisciplinary approach promotes the following in students:

#### **➤ Students improve conceptual and critical thinking**

An interdisciplinary approach provides students a greater breadth of tools with which to communicate. Students become better thinkers, conceptually and technically, when they are pushed in diverse directions. The ability to analyze and conceptualize is as important as having technical skill.

➤ **Students have a better perspective of design as**

An interdisciplinary approach to design is extremely beneficial in developing a holistic understanding of design. Incorporating interdisciplinary thinking, theory, and skills, which are completely transferable in the educational system, gives graduating students an opportunity to move into a range of disciplines in design. It also provides them with a wider understanding of the role of design in problem solving, and gives more focus to the process rather than to specific solutions. As a result, students gain a better understanding of the interdisciplinary nature of design.

➤ **Students develop skills that are transferable across disciplines**

Students gain a broad exposure to materials from art and design, interactive technology and programming, cognition, art, social sciences, media and games - they experience an education that goes beyond the one focused solely on practical art and design education. Additionally, students get have a chance to brainstorm solutions with students and professionals of other disciplines and thereby get a broader perspective on how design relates to the greater community.

➤ **Students become better designers**

An interdisciplinary approach is very helpful in creating good designers. To “design” is to “create an experience” and the better the designer understands the human experience, the better the output. Creating experiences is different from gaining the skill set that young designers learn at college, which is quite the same wherever one studies. Students can hone their skills and expand their knowledge on design history and theory, etc. but what will distinguish them as creative and good designers is additional learning outside of their discipline.

➤ **Students can be more motivated working on interdisciplinary projects**

The interdisciplinary approach can also be more motivating for students to carry out projects involving various disciplines. Students learn different ways of thinking and how to work more efficiently, both with others and independently, to create effective design work.

➤ **Interdisciplinary approach promotes creativity by reducing imitation**

With regard to encouraging students to actively engage in broad critical and contextual thinking and problem solving abilities.



➤ **Interdisciplinary approach provokes more experimentation**

Students would work in a more experimental situation when involved in interdisciplinary projects. They will be able to focus their work in a more conceptual way, allowing form to follow idea rather than vice-versa.

➤ **Interdisciplinary approach improves communication skills**

When students are asked to work with other disciplines, they are more likely to communicate their ideas in a more effective and comprehensible way, which can benefit any project.

➤ **Interdisciplinary approach encourages to go beyond design discipline**

Often students stay in their comfort zone if the project is very limited and can only be applied to one specific discipline. Most interesting results often happen when students go outside of their chosen field. They can see solutions to problems that are not normally not noticed. The use of interdisciplinary projects encourages students to explore other worlds and merge them into original and unique projects.

➤ **Interdisciplinary approach helps to determine own areas of interest**

Approaching a project with a process that incorporates interdisciplinary research and visual experimentation can offer more avenues for students to find personal engagement with the project, encouraging them to insert more of their own experiences and interests. This engagement often seems to result in enhanced creativity and innovation.

However, since the college has been granted "Autonomous Status" only from the academic year 2016-17, it is in the process of designing its curriculum across disciplines involving an interdisciplinary approach.

### **1.3 Curriculum Enrichment**

#### **1.3.1 How often is the curriculum of the college reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?**

Curriculum enrichment is an important feature of holistic curriculum design. It provides exciting and varied opportunities for students to broaden their interests or build upon existing activities.

The college follows a continuous review system of the curriculum. Periodic reviews of the curriculum is carried out every two years. However, minor reviews also take place every year. While framing the curriculum, feedback from industry, alumni and other stake holders are taken into account. As such, the system has an in-built flexibility for the changes. A formal major review of all the programs is completed once in every two years. The minor changes in the curriculum, based on the feed-back from the stakeholders, are implemented by providing additional topics/experiments for theory courses/ lab courses as the case may be. The inputs from all the stake holders (from industry regarding the course contents to be taught is considered in this revision process. At least one person from industry is always invited to the Board of Studies meeting of each department.

The college prepares the students to take up a job, and industry specific skills that are needed will be acquired by the student as and when needed through value added courses by way of additional topics in the curriculum. The students are sufficiently trained in the ability to learn new concepts and apply them. The institute aims to train students not only for their first job but make them lifelong learner.

Curriculum is enriched through mini projects/student conferences/symposiums and innovative club in the college.

Students are also introduced to engineering as a profession that requires not only technological skills but also an ethical orientation, of the need for lifelong learning, and of the importance of Humanities courses.

**1.3.2 How many new programs at have been introduced at UG and PG levels during the last four years? Mention details.**

UG Program - B. Tech in Civil Engineering

PG Program - M. Tech in Power Electronics

- Inter-disciplinary - None
- Programs in emerging areas - None

### **1.3.3 What are the strategies adopted for the revision of the existing programs? What percentage of courses underwent a major syllabus revision?**

The existing programs are revised both reactively as well as proactively. The need is identified from the feedback from the students and/or analysis of data of their performance. Periodic design changes are effected to offset the obsolescence of the design or if a need for change is realized. All the steps as required for initial design and development are followed for effecting and incorporating changes. Review is carried out and changes are documented. Records of the results of the review are maintained.

All the UG and PG programs were revised in 2016 and prior to that in 2013. Minor changes are effected as and when needed with the approval of the senate. The revision process follows the same approval process as described for new programs.

Strategy adopted for the revision of existing programs is to keep watching the latest developments in the industry and their requirement.

- Feedback from employers.
- Instruction from the regulatory bodies such as AICTE and UGC.
- Assessment of regional needs
- Trend analysis.
- Societal and Industrial projections.
- Evaluation of availability of experts, expertise, training, tools and techniques.
- Review on affordability and utility as well as feasibility.
- Addressing the global challenges.
- Feedback from Alumni

College has boards of studies for each department. Each board of studies takes into consideration the respective department's vision and mission which are aligned with institutional vision and mission, and all the aspects mentioned above, while preparing curriculum and subsequent revisions and put up before College Academic Council which consists of senior faculty members of the college and external members. Their inputs will be taken for further revision, if any. 10–15% of the syllabus in every elective course will be revised based on the latest development in the field. Once in 5 years, major revision of curriculum will be taken up.

### **1.3.4 What are the value-added courses offered by the college and how does the college ensure that all students have access to them?**

Some of the value added courses offered by the various departments of the college are given below.

- i. Intellectually designed communication skill development courses exclusively for rural students.
- ii. Subject-wise technical skill-enhancing courses with experts in the field both from academia and industry.
- iii. Foreign language courses taught by native experts for interested students.
- iv. Nano coatings and applications, CNC programming, Computer Aided Manufacturing.
- v. Precision engineering, Advances in Robotics.
- vi. Wireless sensor networks.
- vii. Next generation wireless technology, Data mining for web intelligence.
- viii. Cloud computing and services, Green computing, E-learning techniques, Information retrieval and management.
- ix. Power quality, Energy audit and demand side management, Virtual instrumentation.
- x. SCADA and PLC applications: Power plant instrumentation, PID tuning.
  - All the interested students get the opportunity to attend the above programs as they are arranged during the weekends, summer/winter vacations.
  - During the working days, they are offered after the college hours.
  - The alumni are also involved in the conduct of such programs.
  - The infrastructure facilities available in all the departments are made accessible to the students during the conduct of the programs.

### **1.3.5 Has the college introduced any higher order skill development programs in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?**

The following skill development programs are introduced by the college, as outlined by the National Skills Development Corporation.

- Engineering Design (CAD/CAM) for Mechanical Engineering students
- Robotics and Mechatronics for students
- CNC Machining Skill Development Techniques
- Software training for students
- Total Quality Management for senior faculty

- Computer usage and MS office Training for staff.

## **1.4 Feedback System**

### **1.4.1 Does the college have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?**

Course end survey forms are distributed to all students for the purpose of course evaluation. Course evaluation reports are considered to update the course content. In addition, graduate surveys are conducted towards the end of the graduation of the student. Both the above mechanisms are used for updating the curriculum with the permission of Board of Studies and the college academic council.

### **1.4.2 Does the College elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods adopted to do the same - (conducting webinar, workshop, online forum discussion etc.). Give details of the impact on such feedback**

The college has entered into MoU with a few international Universities. One of the objectives of MoU is to facilitate graduates from the college to get admission into Masters and possible financial assistance. Further, a few interested faculty members of the college may apply for Doctoral program and get admission with possible financial assistance, if any.

Faculty members of the university visiting India are invited to deliver lectures in the FDPs, and also short term value added courses for students of the college. They may also give feedback on the curricula and syllabi. Discussions are also held by the faculty members with regard to the pedagogy for improvement of teaching-learning process.

### **1.4.3 Specify the mechanism through which alumni, employers, industry experts and community give feedback on curriculum enrichment and the extent to which it is made use of.**

- Alumni surveys are conducted during alumni interaction at the alumni association meeting held every year
- Whenever any alumni visits the college, feedback is taken
- Further, college website invites alumni to provide feedback through online.
- Feedback from industry, R & D establishments, professional bodies also are obtained

The data is analyzed and their suggestions are considered and placed before the Board of Studies for discussion and for possible incorporation in the curriculum.

#### **1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the college in ensuring the effective development of the curricula?**

In the regulation, curricula and syllabi of all academic programs of the college is revised once in every two years with the help of program assessment committee of each program, initially, and later in the departmental assessment committee and BoS of each department. The BoS includes expert members not only from academics but also from relevant industries, R & D establishments, and members of professional bodies. The recommendation of BoS is taken up for discussion, finally placed before college academic council for discussion and approval. Taking into account the requirements of the various industries, current developments in the fields of science, engineering and technology and the specific needs of the society, new courses are included in the curricula. Moreover, provision is made to include professional elective subjects every year, in the emerging area of science, engineering and technology.

There is also a provision in curricula to offer specialized elective subjects, tailor made to enhance the knowledge of students in some of the emerging fields, as and when required.

#### **Any other information regarding Curricular Aspects which the institution would like to include.**

1. Flexible and Choice Based Credit System to learn soft core elective courses, professional elective courses and open elective courses offered across the departments.
2. Industry professionals in BoS and College Academic Council.
3. Periodic revision of curriculum.
4. Value added courses.
5. Courses on communication skills / Professional ethics / Environmental Engineering, and Employability Skills.
6. Tutorials for all analytical subjects.
7. Library hour / Association Activity hour in the time table.
8. Technical seminar
9. Mini Projects in many courses
10. Design experiments in many laboratory courses thereby stimulating creativity and innovation in students.

## Criterion II: Teaching - Learning and Evaluation

### 2.1 Student Enrolment and Profile

#### 2.1.1 How does the College ensure publicity and transparency in the admission process?

The seats available for a given program is divided into two categories viz., category 'A' seats and category 'B' seats

Admission to category 'A' seats (70% of the sanctioned intake) is made by the Telangana State Council of Higher Education (TSCHE)

Admission to category 'B' seats (30% of the sanctioned intake) which fall under the Management quota, is made by the college as per the guidelines issued by TSCHE.

For 'A' category seats, TSCHE issues the notification in the news papers and invites applications for admission to various colleges affiliated to JNTUH. The list of colleges with the number of seats available for B.Tech/M.Tech and MBA programs in each college is uploaded on its website.

The notification for admission to 'B' category inviting applications for admission is issued by the college in the form advertisement in the news papers Web portal is also created by the college and online applications are facilitated. The college management follows the procedure laid down by the TSCHE for the admission process. After completing the admission process, the college submits the list of admitted candidates to TSCHE, which scrutinizes the list and approves it, after ensuring that the prescribed procedure had been followed by the college.

Thus, the college ensures publicity and transparency in the admission process.

#### 2.1.2 Explain in detail the process of admission put in place for UG, PG and Ph.D programs by the College. Explain the criteria for admission (Ex. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common test conducted by state agencies and national agencies (v) other followed by the College?

### **ADMISSION TO CATEGORY 'A' SEATS (Refer section 2.1.1)**

#### **1. Eligibility for admissions to 1<sup>st</sup> year B. E /B. Tech programs**

- I. The candidate should have passed the Intermediate Exam (10 +2) with Mathematics, Physics and Chemistry as compulsory subjects or any other examination of any other University or Authority accepted by the Director of Technical Education, as equivalent.
- II. The candidate should have qualified in the common entrance test conducted by the Telangana State Government —EAMCET. Ranks are allocated based on the performance in the test

- III. The candidate should belong to the state of Telangana / Andhra Pradesh. The candidates should satisfy local / non – local status requirements as laid down in the Telangana / Andhra Pradesh Education Institutions (Regulation of Admission) order, 1974 as subsequently amended.

## **2. Eligibility for admissions to 2<sup>nd</sup> year BE/B.Tech programs under Lateral Entry scheme**

- I. The candidate should have passed the Diploma in Engineering/Technology, awarded by the State Board of Technical Education, Telangana, or its equivalent
- II. The candidate should have qualified in the Engineering Common Entrance Test (ECET) conducted by the Telangana State Government. Ranks are allocated based on the performance in the test.
- III. The candidate should belong to the state of Telangana / Andhra Pradesh. The candidates should satisfy local / non – local status requirements as laid down in the Telangana / Andhra Pradesh Education Institutions (Regulation of Admission) order, 1974 as subsequently amended.

## **3. Eligibility for admission to M.Tech programs**

- I. The candidate should have passed the appropriate qualifying examination ie., B.Tech/A.M.I.E/M.Sc./M.C.A or equivalent examination
- II. Candidates should qualified have in the common entrance tests (GATE), or (PGECET) conducted by Telangana State Government
- III. The candidates should satisfy local/non-local status requirements as laid down in the relevant G.O. of AP/TS Government

## **4. Eligibility for admission to MBA program**

- I. The candidates should have passed the qualifying examination ie., any degree from a recognized university in Inida in 10+2+3 pattern.
- II. The Candidate should have qualified in the common entrance test (ICET) conducted by Telangana State Government
- III. The candidate should satisfy local/non-local status requirements of admission into category 'A' seats as laid down in the relevant G.O. of AP/TS Government



## **METHOD OF ADMISSIONS**

The college admits the candidates allotted by the convenor of EAMCET/ECET/PGECET/ICET/ (Admissions.) The allotments are made based on the online/e- options exercised by the candidates, the rank obtained in the entrance tests and reservation category to which the candidates belong. The online or e-option mechanism ensures transparency in the admission process.

### **CATEGORY 'B' SEATS (Refer section 2.1.1)**

#### **1. Eligibility and rules for admission to BE/B.Tech programs:**

- I. The seats are filled on merit basis with candidates including from other States and union territories, who have secured rank at AIEEE (JEE-Main) and secured not less than 45% (40% in case of candidates belonging to reserved categories) of marks in the prescribed group subjects in the qualifying examination.
- II. The seats remaining unfilled from the above are filled with eligible candidates on merit basis following eligibility criteria laid down in rule (4) of G.O.Ms.No.74 as follows:  
The candidate should have passed the qualifying examination (10+2) conducted by the Board of Intermediate Education, Telangana or equivalent with Physics, Mathematics and chemistry as compulsory subjects and obtained at-least 45% marks in the above subjects taken together/ (40% in case of candidates belonging to reserved categories) and should have secured a rank at the common entrance test, conducted by the Telangana State Government - EAMCET
- III. Thereafter, if any seats still remain unfilled, such seats may be filled on merit basis with candidates securing not less than 45% (40% in case of candidates belonging to reserved categories) in the prescribed group subjects taken together/aggregate marks in the qualifying examination (IPE of Telangana or equivalent)

#### **2. Eligibility for admission: to M.Tech Program**

- I. Education Qualification / Eligibility criteria
  - a. The candidate should have passed the appropriate qualifying examination i.e., B.Tech/A.I.M.E./B.Planning/M.Sc./M.C.A or equivalent examination.
  - b. The candidate should secure the following percentage of marks in the Qualifying examination.

50% - For all candidates

45% - The candidates belonging to reserved categories:

- II. The candidate should have secured a rank at common Entrance test, PGECET conducted by the Telangana State Government or secured a GATE score.

### **3. Eligibility for admission to MBA Program**

- I. Education Qualification:
- a. The candidates should have passed the qualifying examination i.e., any degree from recognized university in India in 10+2+3 on the date of his/her admission into MBA programme.
  - b. The candidate should have secured the following percentage of marks in the qualifying examination.

50%	-	For all candidates
45%	-	The candidates belonging to reserved categories
- II. The candidate should have secured a rank at common Entrance test, ICET conducted by the Telangana State Government or All India Common Entrance Test.

### **METHOD OF ADMISSION**

The following procedure as prescribed by TSCHE is followed for admission of candidates.

1. The college notifies the details of the courses offered with intake, schedule of admission in popular news dailies one each language ie., English, Telugu and Urdu. A copy of this advertisement is displayed on the college notice board and also on the college website.
2. Applications forms for admissions are made available in the college or can be downloaded from the website
3. The applications received are scrutinized and a merit list of eligible candidates is prepared and uploaded on the web portal of the college.
4. While preparing the merit list, the order of preference to be followed as per the TSCHE guidelines is taken into consideration.
5. The list of admitted candidates is forwarded to TSCHE for approval.
6. The competent authority in TSCHE verifies the list and if found in accordance with the rules and procedures prescribed by TSCHE, approves the same.

**2.1.3 Does the college have a mechanism to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?**

Yes, a mechanism exists to review the admission process annually.

**Preparation for Admissions**

1. Every year, well before the admission time, an updated prospectus of the college is published.
2. Help desks are set up in the college administrative office to disseminate information regarding admission to various programs.
3. Special career guidance program for the prospective aspirants of professional courses is conducted every year inviting industry and other experts to address the aspirants
4. The college regularly participates and disseminates information to interested public in career guidance exhibitions organized by collaboration with reputed media partners, wherein it puts up a stall in educational exhibition/fair organized by media in which admission process, eligibility criteria, job opportunities etc., are explained by the experienced faculty from the institution and also present to the audience the nature and scope of every engineering program.
5. Advertisement given in regional newspapers.

**Review of Admission Process**

1. The College has an Admission Committee which meets in the month of May and reviews the entire admission process and analyzes the quality of intake in the previous years.
2. A report of comparative statement for the past few years is submitted to the College Academic Committee, which in turn reviews the same and recommends to the management on the process for the academic year ahead.
3. Appropriate interventional measures suggested by the college management are taken to further improve the quality of admission.
4. Some of the meritorious students are given free education by the management. These students often got higher CGPA.

**2.1.4 What are the strategies adopted to increase / improve access to students belonging to the following categories**

- **SC/ST**
- **OBC**
- **Women**
- **Different categories of persons with disabilities**
- **Economically weaker sections**
- **Outstanding achievers in sports and extracurricular activities**

Our college follows the admission policy framed by the Telangana State government. Under the rules governing admission, the minimum qualifying marks in the common entrance test for admission and the minimum qualifying marks in group subjects in the intermediate Public exams are less for SC/ST students than for other community students.

1. The admission rules also provide for reservation for the SC/ST, OBC, Woman, Physically challenged, Achievers in sports, NCC etc categories of students.
2. Over and above these facilities, scholarships are given to the above categories of students, based on their family's annual income.
3. The scholarship facility is extended to students belonging to other communities, not covered above, including minority communities who are economically weak.

**2.1.5 Furnish the number of students admitted in the College in the last four academic years.**

Categories	Year 1		Year 2		Year 3		Year 4	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	96	48	81	32	56	30	63	19
ST	36	11	45	7	24	6	19	3
OBC	284	150	288	138	232	122	261	115
General	247	149	176	125	201	192	203	153
Others (Muslims, Christians)	21	3	16	07	14	3	5	3
<b>Total</b>	<b>684</b>	<b>361</b>	<b>606</b>	<b>309</b>	<b>527</b>	<b>353</b>	<b>551</b>	<b>293</b>

**2.1.6. Has the College conducted any analysis of demand ratio for the various programs offered by the College? If so, indicate significant trends explaining the reasons for increase / decrease. The college has conducted an analysis of demand ratio for various programs, the results being as follows:**

The process of admission to various UG & PG programs is explained under sec 2.1.2. The counseling for admission is conducted by TSCHE online and seats are allotted by merit and the choice excised by the students. No details of the number of students excising their choice in favor of our college and their preferential order is available.

As there are large number of engineering colleges in Telangana State, the number of seats filled is an important factor in assessing the demand for admission to any college.

The table given below gives the number of students admitted as against the sanctioned intake of our college.

It is observed from the table that the demand for UG courses in our college has been growing steadily and the overall admissions compared to the total sanctioned intake is the highest in 2017.

This reflects the growing popularity of our college among the students. It is also observed that ECE, CSE branches enjoy higher demand followed by Mechanical, EEE, and Civil branches.

As regards PG courses, the demand has been reducing. This trend can be explained by the fact that the rules of attendance and evaluation have been tightened by the State government. This trend has resulted in our closing certain courses.

**Demand ratio analysis**

S. No	Program	Course	Students' Intake	Student's Admitted	Demand Ratio
<b>2016-17</b>					
1	UG	CSE	240	240	100
2		CIVIL	120	113	94
3		ECE	240	239	99.5
4		EEE	120	111	92.5
5		MECH	120	114	95
<b>2015-16</b>					
1	UG	CSE	240	240	100
2		CIVIL	120	90	75
3		ECE	240	240	100
4		EEE	60	59	98.3
5		MECH	120	114	95
<b>2014-15</b>					
1.	UG	CSE	240	238	99.16
2.		CIVIL	120	85	70.83
3.		ECE	240	237	98.75
4.		EEE	60	41	68.33
5.		MECH	120	96	80.00
<b>2013-14</b>					
1.	UG	CSE	240	224	93.33
2.		IT	120	54	45
3.		ECE	240	203	84.58
4.		EEE	60	44	73.33
5.		MECH	120	110	91.66
<b>2016-17</b>					
1.	PG (M.Tech/MBA)	ES	30	09	30
2.		CSE	30	17	56.6
3.		VLSI	18	04	22.2
4.		PE	18	06	33.3
5.		MBA	60	49	81.6
<b>2015-16</b>					
1.	PG (M.Tech/MBA)	ES	30	13	43.3
2.		CSE	30	16	53.3
3.		VLSI	18	08	44.4
4.		PE	18	10	55.5
5.		MBA	60	54	90

2014-15					
1.	PG (M.Tech/MBA)	MBA	60	53	88.33
2.		ES	30	27	90
3.		ECE	18	14	77.77
4.		VLSI	18	15	83.33
5.		SE	18	6	33.33
6.		MD	18	9	50
7.		CSE	30	24	80
8.		CS	18	10	55.55
9.		PE	18	14	77.77
2013-14					
1.	PG	MBA	60	44	73.33
2.		ES	30	27	90
3.		ECE	18	16	88.88
4.		VLSI	18	18	100
5.		SE	18	11	61.11
6.		MD	18	13	72.22
7.		CSE	30	23	76.66
8.		CS	18	13	72.22

**2.1.7 Was there an instance of the college discontinuing a program in the last four years?**

Yes. Post Graduate programs, namely, M. Tech in Electronics and Communication Engineering, M. Tech in Machine Design, M. Tech in Computer Science, and M. Tech in Software Engineering, B. Tech in Information Technology were discontinued because of poor response.

**2.2 Catering to Student Diversity**

**2.2.1 Does the college organize orientation / induction program for freshers? If yes, give details of the duration of the program, issues covered, experts involved and mechanism for using the feedback in subsequent years.**

Yes, the college organizes orientation / induction program for freshers in the very first week of the commencement of their academic year. Duration of the program is six days. Topics/issues covered are:

1. Motivation and Goal setting

2. Characteristics of a successful student
3. Listening and Note taking
4. How to read faster and recall more
5. Career Opportunities and Career Development Plan
6. Time Management
7. Importance soft skills and writing skills
8. Importance of being creative and innovative for a successful professional career
9. Difference between studying in a junior college and professional college

A good majority of the academic committee members and some other senior faculty of the college are involved in delivering the above topics.

In the first week, a time-table is drawn wherein three (3) periods out of seven (7) periods a day are allocated for delivering lectures on these topics for each section of the students. At the end of the orientation program, feedback on the program, topic-wise is collected, analyzed, and then shared with the faculty resource persons. Subsequently, it is discussed in the college academic committee meeting. All the shortcomings, if any would be considered when the induction program is organized next.

Over and above this, Principal, senior faculty and chairman of the college address the students of all sections, section-wise at least twice a semester on the importance of getting a meritorious degree and other professional skills to be a successful professional engineer. We also invite experts from various other organizations who deliver lectures covering various topics mentioned above.

**2.2.2 Does the college have a mechanism through which the "differential requirements of student population" are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?**

Yes, the college has a mechanism through which the "differential requirements of student population" are analyzed after admission and after the commencement of classes, there being little time gap between the end of admission process and commencement of classes.

The college identifies their strengths and weaknesses in the first three weeks of the commencement of the classes and the same is recorded in their respective mentoring manual.



A mentor is assigned to each student and the student's progress is monitored closely by the mentor, which is communicated to the parent(s) of the student. Every student's performance in each course is shared with the concerned faculty member teaching the respective course.

**2.2.3 Does the college provide bridge / Remedial / add - on courses? If yes, how are they structured into the time-table? Give details of the courses offered, department-wise/faculty wise.**

Yes. The college conducts bridge courses for "Lateral Entry" students in courses, namely, Mathematics, English Language Communications Skills, and "C Programming". These are conducted after working hours in the evening.

With regard to remedial classes, feedback from students and mentors is taken and analyzed. Based on the requirements, remedial classes are conducted for a set of students whose performance is low. Of course, other students, if interested, are also allowed to attend these remedial classes. These are incorporated in the extended time table with the eighth period in the time table, allotted one course per day, thereby covering all courses.

With regard to the add - on courses, each department, based on its students' needs, conduct some add-on courses.

**Add-on courses conducted by various departments are**

CSE

- Internet of Things
- Advanced Java
- Cisco Network Administration

ECE

- Using Cadence Tools for VLSI design
- Application of Digital Signal Processing
- Real Time Embedded Systems

ME

- Robotics
- ANSYS
- Pro-E
- Auto-CAD

### EEE

- SCADA
- PLCs
- MATLAB for Simulation

### S & H

- Foreign Language
  - Spanish
  - French
  - German
- Writing Skills for I Year Students
- Business English Certificate Course

**2.2.4 Has the college conducted a study on the incremental academic growth of different categories of students: student from disadvantaged sections of society, economically disadvantaged, physically challenged, and slow learners, etc.? If yes, give details on how the study has helped the college to improve the performance of these students.**

The college fosters an inclusive academic ambience. Dean, Academics constitutes a committee drawing one senior faculty member from each department, which is referred to as "Students Performance Monitoring Committee (SPMC)". This committee conducts a study on the incremental academic growth and suggests ways to develop the academic performance of various categories of students, where needed.

A comprehensive analysis of examination results, and attendance from the first semester till the end of the course is conducted. This study helps to identify the slow learners and design the additional inputs required for students from various backgrounds. The steady increase in pass percentage, observed from the first year to the third year, reveals that the desired outcome of academic progress is realized to a reasonable extent.

Following efforts are taken to improve the performance of students:

1. Tutorials and remedial coaching are provided to close the learning gap of slow learners
2. The mentor system followed in the institution has been helping to mould students as good citizens in line with the mission of the college.
3. The mentors coach the mentees on academic and non-academic matters and monitor their all-round development
4. Parent teacher meetings, held twice a semester, have been facilitating interaction with parents and helping us to understand the need for additional training, and value added courses.
5. A healthy rapport is built between the parents and the teachers to jointly monitor the academic progress of the students
6. Parents are encouraged to approach the concerned department for clarifications at any time.
7. Departments have continuous contact with parents of slow learners in order to maintain effective support system to enable students' success
8. The department provides personal counseling to students to perform better
9. Meritorious students are given incentive in the form of scholarship which has been a great motivating factor
10. Regular motivational talks by senior faculty of the departments, Heads of the Departments, Principal, and Chairman of the college have been helping the students to perform better.

#### **2.2.5 How does the institution identify and respond to the learning needs of advanced learners?**

The college assesses the learning levels of the students after admission and designs a few courses for advanced learners as well as slow learners.

Advanced learners are identified during:

- Orientation program and need assessment
- Tutorial classes, class interactions and discussions
- Laboratory sessions
- Departmental seminars/Guest lectures
- Mentor - mentee interaction
- Co-curricular and extra-curricular activities
- Performance in the mid-term examination
- Performance in the assignments

Advanced learners are motivated to excel further through the following ways:

1. Assigned with challenging projects, a few internship opportunities and a couple of live projects
2. Encouraged to pursue add on courses
3. Motivated to enroll in foreign language classes and Business English Certificate Course
4. Encouraged to associate with faculty undertaking research, write articles and present papers in student symposia
5. Encouraged to participate in design competitions, project exhibitions and coding competitions.
6. Provided with leadership roles in academic and co-curricular activities
7. Editorial responsibilities in college magazines and newsletters
8. Encouraged to organize and participate in intercollegiate, state and national events
9. Serve as peer mentors for classmates

#### **2.2.6 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?**

- Admission is given for differently-abled students as per government policy.
- The college analyses the academic growth of differently abled students and provides tutorials and other remedial classes for the needy.
- The requirements of differently abled students are identified immediately after the admission during orientation program and strategies are planned for their assistance.
- Special needs of infrastructure like ramp, class rooms in the ground floor are provided.
- Examination is conducted in the ground floor; scribe facilities are provided
- Special guidance and counseling is given

### **2.3 Teaching - Learning Process**

The college firmly believes that holistic development of the students is ensured only through the four pillars of its educational philosophy, namely, Knowledge, Skills, Values and Attitude. The educational pedagogy of the college inculcates value system, integrates ICT, develops global competencies and promotes professional development with a quest for excellence. A physical and intellectual infrastructure has been established to facilitate a student centric learning often called as "learner centric" process.

### **2.3.1 How does the institution plan and organize the teaching-learning and evaluation schedules? (Academic calendar, teaching plan and evaluation blue print etc.)**

The institution properly plans and organizes its teaching schedule. The institution plans and executes well conceived teaching-learning and evaluation strategies that are elucidated below:

**A. College Academic Plan (CAP):** The college academic council meet is scheduled at the beginning of every academic year. The members of the academic council deliberate during the meet and plan and review the academic calendar being proposed, teaching-learning strategies and evaluation method of courses. The academic calendar is prepared by the Teachers' Council at the commencement of the academic year incorporating the major events of the college..

A schedule of examinations, holidays and vacation is also prepared.

The academic calendar is incorporated in the course files CD that is issued to every student and faculty of each class. It is also uploaded in the college website.

Evaluation Schedule:

- With the college becoming autonomous institution since 2016-17, the Controller of Examination (CoE) drafts the schedule for all the components of Continuous Internal Examination/Evaluation (CIE).
- Separate schedules for conduct of mid-term examination, end semester examination and declaration of results are prepared.
- A well laid out document shall be sent for preparation of question papers to external examiners.
- Panel of Examiners is provided by BoS of each department.
- Regulations regarding valuation are decided by the respective BoS which comprises a chief examiner.
- Procedures for grievance redressal and details about transparency in evaluation are closely monitored by the Principal and CoE.

#### **B. Department Level Department calendar and time table:**

The department calendar is prepared and displayed on the notice board.

It elucidates department's specific activities.

The time table is prepared at the beginning of every semester well ahead of the start of classes.

**Department Assessment Committee (DAC):** The department assessment committee plans the teaching-learning strategies of various programs. The DAC, comprising senior faculty members of the department, monitors and reviews the executed plans.

For each program offered by a department, a Program Assessment Committee is constituted comprising senior faculty members teaching the program along with other senior faculty members of the department, which gives guidelines for the teaching-learning process and frequently monitors the program and reviews the same and gives inputs to BoS for updating the same whenever necessary.

In addition, for each course taught in the program, a senior faculty member who has taught the course on a fairly good number of occasions is assigned as course coordinator, who guides other faculty members teaching the same course for other sections. Coordinator frequently interacts with these faculty members oversees the progress of the student learning in the course and provides the necessary support to these faculty members.

### **C. Planning at individual level**

Consists of course plan and work diary

**Course Plan: Course plan is maintained in a course file that consists of the following:**

**Course File:**

1. Syllabus copy of the course
2. Vision of the Department
3. Mission of the Department
4. PEOs and POs
5. Course objectives and outcomes
6. Course mapping with POs
7. Brief notes on the importance of the course, namely, course purpose:
  - a. What role does this course play within the Program?
  - b. How is the course unique or different from other courses of the Program?
  - c. What essential knowledge or skills should they gain from this experience?
  - d. What knowledge or skills from this course will students need to have mastered to perform well in future classes or later (Higher Education / Jobs)?
  - e. Why is this course important for students to take?
  - f. What is/are the prerequisite(s) for this course?
  - g. When students complete this course, what do they need know or be able to do?
  - h. Is there specific knowledge that the students will need to know in the future?
  - i. Are there certain practical or professional skills that students will need to apply in the future?

- j. Five years from now, what do you hope students will remember from this course?
- k. What is it about this course that makes it unique or special?
- l. Why does the program offer this course?
- m. Why can't this course be "covered" as a sub-section of another course?
- n. What unique contributions to students' learning experience does this course make?
- o. What is the value of taking this course? How exactly does it enrich the program?

The "Course Purpose" describes how the course fits into the student's educational experience and curriculum in the program and how it helps in his/her professional career.

- 8. Prerequisites, if any
- 9. Instructional Learning Outcomes which refer to

- Specific knowledge
- Practical skills
- Areas of professional development
- Attitudes
- Higher-order thinking skills, etc.

which faculty members expect students to develop, learn, or master during a course.

- 10. Class Time Table
- 11. Individual Time Table
- 12. Lecture schedule with methodology being used/adopted for each session
- 13. Detailed notes
- 14. Additional topics
- 15. University Question papers of previous years
- 16. Question Bank
- 17. Assignment Questions
- 18. Unit wise Quiz Questions and long answer questions
- 19. Tutorial problems
- 20. Known gaps, if any and inclusion of the same in lecture schedule
- 21. Discussion topics, if any
- 22. References, Journals, websites and E-links if any
- 23. Quality Measurement Sheets
  - a. Course End Survey
  - b. Teaching Evaluation

24. Student List of the section
25. Group-wise students list for discussion topics

It is a detailed schedule of teaching prepared by the respective course teacher in consultation with the course coordinator and in accordance with the format provided by the IQAC. The teachers make a presentation on the course plan depicting the teaching methodology.

**Weekly reports:** Department maintains a weekly report of each section's teaching progress. Faculty members indicate their completed teaching activity for each week. It is periodically monitored by the Course coordinator, Program coordinator, Head of the department, Dean, Academics, and Principal. It acts as a control mechanism in the efficient execution of the course plan.

**2.3.2 Does the college provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?**

Yes. The course plan prepared by the faculty members contains information on course syllabus and course schedule. It highlights information regarding the different modules, skill development activities and topics of assignments. The department informs the students about the course outline of all the courses in a semester. It ensures timely completion of syllabus and transparency in teaching-learning process.

**2.3.3 What are the courses, which predominantly follow the lecture method? Apart from class room interactions, what are the other methods of learning experiences provided to students?**

- The core courses of undergraduate programs predominantly follow lecture method and the lab courses provide experimentation, analytical thinking, and help develop required skills for an in depth understanding and comprehension of the course.
- Faculty members of the college adopt various teaching methods in addition to lecture method.
- Class room teaching is supplemented with additional learner-centric activities such as case study analysis, seminar, simulation exercises, problem solving through tutorials and assignments, and discussions.



- In addition, guest lectures, field trips, and visit to some industries also help students acquire the required comprehension of the course and its application for societal development.
- In some courses mini project supplements students with an ability to define a problem, use various design techniques and implementation through hands on experience, which facilitates students to explore.
- Students are encouraged to use online databases and domain specific e-resources which enable them to go beyond the prescribed curriculum.

**2.3.4. How is "learning" made more student-centric? Give a list of participatory learning activities adopted by the faculty that contribute to holistic development and improved student learning, besides facilitating life-long learning and knowledge management**

Student centric learning methods are an integral part of the pedagogy adopted by the faculty members. Experiential learning, participative learning and problem solving methodologies are used. The educational philosophy of the college envisions coalescing in the individual, academic excellence with holistic development.

The diverse interest of the students are ingeniously met by incorporating participatory learning activities that incite the attentiveness of the learner as well as provide better comprehension of concepts. Special attention is provided to various categories of learners. The faculty members encourage students to apply theory to practice and lab to field. Some of the student-centric participatory activities regularly followed by the departments are listed below.

1. Tutorials,
2. Classroom discussion
3. Case study analysis,
4. Experimentation in laboratory,
5. Mini project,
6. Technical seminar,
7. Guest lectures,
8. Participation in project exhibitions,
9. Coding competitions,
10. Simulations,
11. Demonstration on static models of various equipment,
12. Hands on experience on using various equipment,
13. Field trips,

14. Industry visits,
15. Role play,
16. Mind Mapping,
17. Group Discussion,
18. Publications in student symposia and technical magazine
19. Internship
20. Interaction with community

All the above student centric methods facilitate life-long learning and knowledge management.

### **2.3.5 What is the College policy on inviting experts / people of eminence to provide lectures / seminars for students?**

The college frequently organizes sessions by experts and people of eminence from diverse spectra to enhance the learning experience of the students. The college policy entails two levels of interaction with people of eminence:

#### **A. Institutional Level: It is usually conducted on the following activities:**

1. Career and Professional Development
2. Inculcating Human Values and Ethics
3. Soft Skills Development
4. Enhancement of employability through campus placement training programs
5. Entrepreneurship skills programs
6. Mock United Nations diplomacy program

#### **B. Department level:**

1. Conferences,
2. Seminars,
3. Workshops,
4. Guest Lectures,
5. Industry Institute Interface,
6. Webinars

### **2.3.6 What are the latest technologies and facilities used by the faculty for effective teaching?**

**Ex: Virtual laboratories, e-learning, open educational resources, mobile education, etc.**

The institution has augmented its IT infrastructure on par with the latest technological development. Latest technologies are used by the faculty members for effective teaching.

1. The campus is connected through Wi-Fi, LAN network and high speed internet is made available.
2. Two Internet Service Providers ((ISPs), each 64 Mbps, Bandwidth) make data retrievable and accessible to open educational resources.
3. E-learning class rooms/laboratories are made available for interactive and student centric learning.
4. Some of the laboratories are equipped with IT instructional equipment such as LCD projectors, digital cameras and audio visual aids which enable effective teaching.
5. Additional technologies and facilities available for teaching-learning are:
  - i. Subscription to e-resources and databases - DELNET, EBSCO, and INFLIBNET
  - ii. Purchase of Propriety / Open source software:
  - iii. Microsoft Campus License, MATLAB, PSpice, PSCAD, ANSYS, Pro-E, Oracle, Star UML, Multisim, Keil, MASM, CADENCE, Xilinx, Linux, SPSS, Weka, Auto CAD, etc.
6. R & D Lab, and creativity and innovation center are made available for students to explore.
7. Conference halls equipped with IT infrastructure for webinars and video conferencing
8. Formal linkage with institutes of national repute
9. An exclusive Language and Multimedia Lab

### **2.3.7 Is there a provision for the services of counselors / mentors/ advisors for each class or group of students for academic, personal and psycho-socio guidance? If yes, give details of the process and the number of students who have benefitted.**

Yes. the college has mentors for each group of 20 students. In addition it also has an advisor for each section / class. The college follows a mentoring system to meet the academic and personal needs of the students in the following ways:

1. Each class has a faculty advisor who interacts with the students regularly and serves as the first point of mentoring and guidance.

2. Apart from this, each group of twenty (20) students of each class is assigned to a mentor, who also teaches a course to the class of students.
3. Student engagement, academic performance and holistic development are nurtured through this interaction.
4. In addition, senior faculty members provide academic guidance and career counseling.
5. The assistance of the parents is solicited whenever necessary, during the process of guidance.
6. The Centre for Career Guidance of the college provides career counseling through invited talks.

**2.3.8 Are there any innovative teaching approaches/methods/practices adopted /put to use by the faculty during the last four years? If yes, did they improve the learning? What methods were used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?**

Innovative teaching approaches enhance effective learning.

**Innovative Teaching Approaches** adopted by different faculty are:

1. Mini project,
2. Technical seminar,
3. Guest lectures,
4. Participation in project exhibitions,
5. Problem based learning,
6. Extensive Simulations,
7. NPTEL Videos
8. E-learning,
9. Demonstration on static models of various equipment,
10. Hands on experience on using various equipment,
11. Field trips,
12. Industry visits,
13. Role play,
14. Mind Mapping,
15. Group Discussion,
16. Webinar,

17. Internship,
18. Interaction with community

**Evaluation:** Innovative teaching methodology improved the quality of learners - enhanced interest, improved attention span, motivated self-work and prepared them to use new technology. Placements, higher % of marks scored by students in examinations, quality of better ranking students who sought admission in the college, quality of projects undertaken by students and students' participation in various project and symposia competitions have revealed the impact of innovative teaching. The outcome of the above approaches was assessed through feedback, student reports of their activities, and in their performance.

**Recognition:** The management provides support, encouragement and training for adopting innovative teaching methods. They provide required facilities and adequate improvisation of infrastructure. The teachers who initiate innovative approaches are recognized through an appreciation letter and are also encouraged to take up research projects, given incentive for publications in conferences and journals..

### **2.3.9 How does the college create a culture of instilling and nurturing creativity and scientific temper among the learners?**

The learning environment is conducive to innovative, critical thinking and scientific temper among the learners through the various programs organized in the institution.

#### **Academic activities**

1. Project Exhibition
2. Summer project
3. Research/innovative projects
4. Field work / internship
5. Seminars on emerging areas of research
6. Industrial visits
7. Creative assignments
8. Skill development activities and value added courses
9. Entrepreneurship development

### **Co-curricular activities**

1. Technical associations and clubs
2. Participation in fests (regional and national level)
3. Organizing events
4. Conducting exhibitions
5. Participation in women empowerment cell initiatives
6. Theatre and fine arts
7. Critical analysis of media
8. Newsletter publication

### **Extension activities**

1. Life skills and personality development programs
2. Extension Services:
3. NSS, community service, etc
4. Health camps and Blood Donation camps
5. Social survey, awareness, and extension programs for school children and nearby villages

The college creates a conducive ambience to nurture the varied skills of students and to display their creative talents through various intra and intercollegiate fests.

### **2.3.10 Does the College consider student projects a mandatory part of the learning program? If so, for how many programs is it made mandatory?**

Number of projects executed within the College

Names of external institutions associated with the College for student project work

Role of the faculty in facilitating such projects

The college integrates project/field experiences into the learning experience. In the curriculum followed, all programs, both undergraduate and postgraduate, have mandatory project work in the final year. Apart from the mandatory project work in the final year, industry oriented mini project at the end of third year, design projects through experiments in the lab are also mandatory.

In addition, a good number of students carry out some innovative projects and participate in project exhibitions conducted within the college and as well as in other reputed colleges and have won several accolades.

DEPARTMENT	Number of projects executed in the college			
	2016-17	2015-16	2014-15	2013-14
CSE	18	20	2	30
ECE	62	20	46	70
EEE	19	21	20	23
ME	26	4	5	--
CE	--	--	--	--
MBA	--	--	--	--

S.No	Department	Names of external institutions
1.	CSE	<ul style="list-style-type: none"> <li>• ECIL-ECIT</li> <li>• ISRO</li> <li>• DLRL/DRDO</li> <li>• NRSA</li> <li>• DARK HORSE</li> <li>• CMC Ltd.</li> <li>• NSIC</li> <li>• SMART BRIDGE</li> <li>• COIGN Technologies</li> </ul>
2.	MBA	<ul style="list-style-type: none"> <li>• ECIL</li> <li>• NSIC</li> <li>• BHEL</li> <li>• ANGLE BROKING</li> <li>• HERITAGE FOODS</li> <li>• KARVY</li> <li>• HDFC</li> <li>• SBI</li> <li>• ICICI PRODENTIAL</li> <li>• HBL</li> </ul>
3.	ECE	<ul style="list-style-type: none"> <li>• ECIL</li> <li>• NSIC</li> <li>• NFC</li> <li>• DRDO</li> <li>• NRSC</li> <li>• CITD</li> </ul>
4.	ME	<ul style="list-style-type: none"> <li>• DRDL</li> <li>• RESEARCH CENTRE IMANAT</li> <li>• ECIL</li> <li>• CDAC</li> </ul>

**Role of the faculty in facilitating such projects:** Faculty members orient the students on research methodology and serve as guides for the successful completion of projects. Some of the final year projects are done in-house, for which problem statements, design methodology, and implementation procedure are clearly illustrated by the faculty of the respective departments, while

some other projects are executed in industry for which the faculty members act as supervisors, who closely monitor the execution of these projects through frequent interaction with students and external guide who facilitates the execution of the project in industry.

Faculty also facilitate evaluation of project work and organize viva-voce examination in consultation with the Head of the department and in collaboration with external experts.

### **2.3.11 What efforts are made to facilitate the faculty in learning / handling computer-aided teaching / learning materials? What are the facilities available in the College for such efforts?**

All the faculty members are made aware of the importance of ICT and are equipped to use computer aided teaching-learning material. The efforts taken by management to update their skills are:

1. Orientation programs are conducted on using e-learning facilities.
2. FDPs are conducted on teaching, learning and evaluation methods with a session on the use of latest technology
3. Training on use of SPSS was organized consecutively during the last two years for MBA faculty
4. In-house training is provided on the use of various e-resources, databases and online journals
5. Faculty are encouraged to participate in workshops to learn latest technologies to be incorporated in teaching learning process.

Hands on training is provided to faculty on the use of MATLAB, PSpice, PSCAD, ANSYS, Pro-E, Oracle, Star UML, Multisim, Keil, MASM, CADENCE, Xilinx, Linux, SPSS, Weka, Auto CAD, etc.

Adequate ICT and technological facilities enable effective transmission of knowledge. Facilities available for ICT integration are:

- a. Faculty members up to the rank of Associate Professors are provided with an individual desktop computer with seamless internet connectivity.
- b. In respect of Assistant Professors, a couple of systems are made available in their workspace which are made use of.
- c. Departments have LCD projectors which are made use of by the faculty
- d. Seminar halls, and a few labs are ICT enabled
- e. Wi-fi enabled campus



- f. e- databases and resources.
- g. NPTEL Videos and Digital Library facilities which can be accessed from classrooms/labs.
- h. Licensed software of Microsoft, MATLAB, PSpice, PSCAD, ANSYS, Pro-E, Oracle, Star UML, Multisim, MASM, CADENCE, Xilinx, Linux, SPSS, Weka, Auto CAD, etc.

**2.3.12 Does the College have a mechanism for evaluation of teachers by the students / alumni? If yes, how is the evaluation used in achieving qualitative improvement in the teaching-learning process?**

Yes, the college has a mechanism for evaluation of teachers by the students.

1. The college firmly believes that continuous improvement of faculty is essential for the improvement of learning ambience and experience.
2. It is ensured through feedback collected by the college administration from students.
3. The statistical analysis of the feedback is discussed by the concerned Head of the department, Dean, Academic, and Principal with the individual faculty members for improvement of the quality of teaching-learning process.
4. It is used to provide a need based training for the faculty members for continuous improvement through Faculty Development Programs and in-house training on innovative teaching methodologies / practices.

**2.3.13 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If yes elaborate on the challenges encountered and the institutional approaches to overcome these.**

1. The planned teaching-learning schedule of the institution and the monitoring mechanism ensures the completion of curriculum on time.
2. Weekly reports are collected from faculty with regard to the progress of the curriculum vis-a-vis the lecture plan prepared by the faculty.
3. Course coordinator monitors the progress of the course by frequently interacting with the faculty teaching the course and provides advice accordingly.
4. Whenever a faculty member lags behind the curriculum, that faculty member takes additional classes and completes the curriculum within the scheduled time. It is again monitored by the course coordinator, Head of the department, Dean, Academic, and Principal.

### **2.3.14 How are library resources used to augment the teaching-learning process?**

The college encourages students to optimally use the library by:

1. Allocation of fixed library hours in the time table for all UG programs
2. Class advisors and mentors ensure that the students use library resources for their assignments, quiz, projects, technical seminars and internship reports
3. Book exhibitions are organized so that new books that arrive in the market are reviewed by faculty and students and recommendations are made to purchase some new books.
4. e- resources are made available at the library
5. Digital library facilities are made available
6. A repository for multimedia and visual aids are made available at the library

### **2.3.15 How does the institution continuously monitor, evaluate and report on the quality of teaching, teaching methods used, classroom environments and the effect on student performance?**

The institution ensures that human resources are continuously augmented through sustained training and capacity building to perform multiple tasks. The management ensures quality of faculty through the following measures:

1. Appointment of qualified, passionate and versatile faculty members and who are life-long self-learners, as teachers.
2. Faculty members prepare and present a course plan with clear objectives, teaching methodology and expected outcomes, which is reviewed by the department.
3. Peer/senior faculty members act as mentors, provide necessary guidance and suggestions during departmental meetings
4. Senior faculty members, HoD, Dean, Academic, and Principal constantly review the teaching methods adopted by the faculty and provide necessary suggestions.
5. IQAC assesses class room environment and student participation and provides feedback to the college administration for corrective action, if any, from time to time.
6. Teaching diary provides a summary of teaching-learning process and is reviewed by the HoD and Principal every month.

The growth witnessed by the institution in the last eleven years is primarily due to the success of its students. The quality of the institution is also revealed in the university ranks, academic/cultural achievements, improvement in placements and better quality students with better ranks secured by candidates in the entrance test, seeking admission to the college. Faculty members strive hard to

mould students, to become intellectually competent, spiritually mature and socially sensitive. A multi-pronged monitoring mechanism ensures the quality of teaching-learning process.

## **2.4 Teacher Quality**

### **2.4.1 What is the faculty strength of the College? How many positions are filled against the sanctioned strength? How many of them are from outside the state?**

Sanctioned Strength = 292

Teaching faculty available in the college=292

All positions are filled against sanctioned strength.

Number of faculty from outside state= 44

### **2.4.2 How are the members of the faculty selected?**

#### **Recruitment of faculty:**

- Institute formed a Staff Selection Committee towards recruitment of staff members as per the University/State Government norms.
- The following are the composition of the committee:
  1. The Principal
  2. Dean Admin
  3. Dean Academics
  4. Heads of the Department
  5. Two expert-subject members
- The college recruits and retains the faculty who are competent, qualified, experienced and experts in their respective field of study.
- The college advertises for faculty recruitment in the state and national newspapers. The candidates are interviewed by the senior faculty members as per AICTE and University guidelines are followed for recruiting the faculty.

The faculty recruitment is done as per the affiliating university norms applicable to Autonomous colleges.

The Faculty selection process is as follows:

- The faculty requirement is projected by the Heads of departments, 6-8 months before the commencement of Academic year, taking into account the existing faculty strength in terms of specialization and cadre.

- The faculty balance, in terms of experience and fresh talent, for various specializations and cadre ratio are worked out by the Principal and Chairman in consultation with the Deans and HoDs following UGC/JNTUH norms. The number of posts in each category for all the departments are sanctioned by the Governing Body, satisfying the requirements as outlined above.
- Advertisements are issued in newspapers inviting applications by post or E-mail from eligible candidates to fill the sanctioned posts. In addition, senior faculty members make use of their contacts to elicit good response from distinguished faculty working in other institutions or experts from industry/R&D organisations.
- The applications are shortlisted based on the eligibility criteria and credentials.
- Demo-lectures are organized in the presence of Principal, Deans and senior faculty as members of institutional selection committee.
- The candidates are provisionally selected based on merit and appointments made with the approval of Chairman.
- The candidates thus appointed are required to appear for interview before Staff Selection Committee consisting of Chairman of the Governing Body as Chairman of Selection committee, Principal of the college, HoD, besides two subject experts not connected to the college, and two expert nominees of the Vice chancellor of affiliating university as members. The appointments made by the college provisionally are confirmed only after the appointees are selected by the Staff Selection Committee.

### 2.4.3 Furnish details of the faculty

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent Teachers</b>							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	20	10	6	3	--	--	39
M.Phil.	--	--	1	1	3	2	7
PG	7	--	25	17	101	96	246
<b>Temporary teachers</b>							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--
<b>Part-time teachers</b>							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--
<b>Total =</b>							<b>292</b>

2.4.4 What percentage of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams? In that what percentage of teachers are with PG as highest qualification?

Department	Evaluation
CSE	NET/SLET QUALIFIED: 3.9% Percentage of faculty with PG as highest qualification = 100%
ECE	NET/SLET QUALIFIED: 4.76 % Percentage of faculty with PG as highest qualification = 100%
EEE	NET/SLET QUALIFIED: 0 Percentage of faculty with PG as highest qualification = 100%
MECH	NET/SLET QUALIFIED: 0 Percentage of faculty with PG as highest qualification = 100%
S&H	NET/SLET QUALIFIED: 11.11% Percentage of faculty with PG as highest qualification = 100%
MBA	NET/SLET QUALIFIED: 0 Percentage of faculty with PG as highest qualification = 100%
CIVIL	NET/SLET QUALIFIED: 0 Percentage of faculty with PG as highest qualification = 100%

**2.4.5 Does the College encourage diversity in its faculty recruitment? Provide the following departments-wise details.**

<b>Department</b>	<b>% of faculty who are product of the same college</b>	<b>% of faculty from other college within the state</b>	<b>% of faculty from other states</b>	<b>% of faculty from abroad</b>
<b>CSE</b>	<b>2.9</b>	<b>91.3</b>	<b>2.9</b>	<b>2.9</b>
<b>ECE</b>	<b>3</b>	<b>71</b>	<b>24.5</b>	<b>1.5</b>
<b>EEE</b>	<b>4.5</b>	<b>82</b>	<b>9</b>	<b>4.5</b>
<b>ME</b>	<b>0</b>	<b>76.5</b>	<b>23.5</b>	<b>0</b>
<b>S&amp;H</b>	<b>0</b>	<b>79.62</b>	<b>20.37</b>	<b>0</b>
<b>MBA</b>	<b>6.7</b>	<b>86.6</b>	<b>6.7</b>	<b>0</b>
<b>CIVIL</b>	<b>0</b>	<b>96</b>	<b>0</b>	<b>4</b>

**2.4.6 Does the College have the required number of qualified and competent teachers to handle all the courses for all departments?**

**If not, how do you cope with the requirements? How many faculty members were appointed during the last four years?**

**YES.**

The College has the required number of qualified and competent teachers. There are 39 Ph.D holders, 53 Associate professors and 37 Professors . There is no problem of competency at any level. All subjects for B.Tech and M.Tech are handled by the College teachers. The following are the details of faculty selected over the last four years. In addition to, we bring in experts for the guest lectures, workshops, faculty development programs.

<b>Academic Year</b>	<b>No. of Faculty members appointed</b>
2016-17	49
2015-16	120
2014-15	136
2013-14	73

**2.4.7. How many visiting Professors are on the rolls of the College?**

All the Professors of the college are permanent employees and the college is self sufficient in regard to faculty requirement. Hence, there are no visiting Professors on the rolls of the College.

**2.4.8 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, nomination to national/ international conferences/Seminars, in-service training, organizing national/international conferences etc.)**

- Faculty who have put up two years of service in the college are sanctioned one day OD per week to pursue their Ph.D (Part time).
- Faculty is sponsored to attend FDP/ SDP / Workshops regularly to enhance their knowledge and skills in the emerging areas.
- Encouragement is given for continuing research by way of applying for funded projects and receiving the grants from various research funding agencies.
- The medical leave and Earned leave facility is provided for all the staff members of the college.
- Faculty members are deputed to various conferences /seminars / workshops organized by other institutes in emerging areas by granting academic leave and bearing all the expenditures including registration fee.
- The college contributes towards Employee provident fund, gives motivational incentives for paper publications and provides research facilities in the departments to pursue their Ph.D. programmes. In fact, several faculty of middle and junior cadre have registered for Ph. D with the senior faculty of the department.
- The college also conducts a number of seminars, workshops and special lectures for the benefit of its faculty. The college has conducted a number of workshops/seminars/ conferences during the last four years.
- The institution provides personal/study loans for the faculty. It also provides the loan facility for purchasing laptops/systems for the faculty.
- The college has an Industry-Institute Interaction cell that interacts with industry on a regular basis and deputed faculty and students to visit industries and encourages faculty to guide projects that are more interdisciplinary.

**Incentives for publications in National/International journals/conferences:**

S.No.	Name	OD	TA	Incentive
1	National Conference	YES	50%	Rs.1000/-
2	National Journal	-	-	Rs.1000/-
3	International Conference	YES	50%	Rs.1500/-
4	International Journal	-	-	Rs.2000/-
5	Workshop	YES	50%	Rs.500/-

6	Special allowances for attending Ph.D viva in India and abroad.	YES	Discretionary	
7	Loans for Pursuing Higher Education	YES	NIL	

**2.4.9 Give the number of faculty who received awards / recognitions for excellence in teaching at the state, national and international level during the last four years.**

The college provides necessary infrastructure and other required support to encourage teachers to excel in their teaching / research. An environment conducive to academic growth encourages teachers to prove their mettle. As a result, many teachers have been rewarded by various state and national level bodies.

Following faculty members of the college have received awards/recognitions at State and National level during the last four years:

S.No	Name of Faculty	Department	Awards/Recognitions at State and National level
1.	Dr. Udaya Kumar Susarla, Principal & Professor	CSE	' <b>Best Teacher</b> ' award in Sreenidhi Institute of Science Technology for the year 2001-2002, 2004-05, 2005-06 and 2006-07
2.	Dr.S.Nagender Kumar, HOD & Professor	CSE	' <b>Research Excellence Award</b> ' in 2016 at Massey University, New Zealand.
3.	D.Venkateshwarlu, Associate Professor	CSE	" <b>Merit Certificate</b> " from Balaji Institute of Technology and sciences.
4.	M.Y.Babu, Associate Professor	CSE	" <b>Excellence in Teaching</b> " for the year 2008, at Aurora's Engineering College.
5.	P.Sudhaker, Associate Professor	ECE	" <b>Best Paper Presentation Award</b> " in 2014
6.	M.Kavya, Assistant Professor	ECE	<b>'Gold Medal'</b> from ISTE
7.	P.Snigdha Kamala, Assistant Professor	ECE	" <b>Academic Excellency Certificate</b> " in Bachelors
8.	C.Pavani, Assistant Professor	ECE	<b>Certificate from ICFAI</b> for FDP
9.	Dr.T.Siva Prasad, HOD & Professor	MECH	' <b>Role Model Teacher of the year-2003</b> ', Meckelle University, Ethiopia
10.	Dr. Samuel John, Professor	MECH	' <b>Best Teacher award – 2012</b> ', Lord's Institute of Engineering and Technology.
11.	P.Sudheer Rao, Associate Professor	MECH	' <b>Best Teacher award – 2012-13</b> ' ' <b>Best Teacher award – 2014-15</b> ', at Spoorthy Engineering College, Hyderabad.
12.	R.Sudharshan,	MECH	' <b>Best self Assessment Award-2002</b> ', Srinidhi



	Associate Professor		Engineering College, Hyderabad.
13.	B.Subba Rao Associate Professor	MECH	<b>‘Faculty Excellent Award ‘</b> at Vidya Vikas College of Engineering, Hyderabad.
14.	B.Bhasker, Assistant Professor	MECH	<b>“Automobile Workshop Appreciation Award-2012”</b> • <b>“Project Expo Appreciation Award”</b>
15.	N.Rajender, Assistant Professor	MECH	<b>“Best Faculty Award-2013”</b> at Brilliant Engineering College, Hyderabad.
16.	U.Sreekanth, Assistant Professor	MECH	<b>“Best Faculty Award-2014”</b> at K.N.R Institution of Science & Technology, Hyderabad.
17.	P.Srilatha, Assistant Professor	MECH	<b>“BHASWARA Appreciation Award-2015”</b> , Geethanjali College of Engineering
18.	Dr. B.Nagamani, Associate Professor	S&H	<b>“BEST Paper Presenter Award”</b> for her paper presented at Vasavi College of Engineering, Hyderabad. Received <b>Cash Award</b> for ‘Use of padlet in ELT’ in the competition conducted by ELT@I on the ‘use of ICT in Education’
19.	Dr. Sudha Radhika, HOD & Professor	EEE	<ul style="list-style-type: none"> <li>• GCOE Scholarship for Ph.D</li> <li>• M.Tech Gold Medal</li> </ul>

**2.4.10 Provide the number of faculty who have undergone staff development programmes during the last four years. (Add any other programme if necessary)**

<b>Academic Staff Development Programmes</b>	<b>Number of faculty</b>
Refresher courses	45
HRD programmes	4
Orientation programmes	21
Staff training conducted by College	1114 (Including multiple attendance)
Staff training conducted by University/ other	78
Summer / winter schools, workshops, etc.	59
Any other (please Specify)	
Viva-voce:	2
Book published:	1

#### 2.4.11. What percentage of the faculty have

- **been invited as resource persons in workshops / Seminars / Conferences organized by external professional agencies**
  - **participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies**
  - **presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies**
  - **teaching experience in other universities / national institutions and others**
  - **industrial engagement**
  - **international experience in teaching**
- 
- **been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies : 12**
  - **participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies: 87**
  - **presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies: 337**
  - **teaching experience in other universities / national institutions and others : 56**
  - **industrial engagement: NIL**
  - **international experience in teaching : 6**

#### 2.4.12 How often does the College organize academic development programmes for its faculty, leading to enrichment of teaching-learning process?

- \* **Curricular Development**
- \* **Teaching-learning methods**
- \* **Examination reforms**
- \* **Content / knowledge management**
- \* **Any other (please specify)**

The institution organizes academic development programmes for its faculty, leading to enrichment of the teaching-learning process twice in a year.

##### **Curricular Development:**

The institution conducts Curricular Development Programme twice in a year with external experts from industry and academia.

**Teaching-learning methods:**

1. The institution conducts Faculty Development Programmes for the faculty to improve the teaching learning methods twice in a year.
2. The institution conducts awareness programmes for the faculty on -Case Studies Assignments, Learning by doing, Learning through practical exploration, Training on Industrial Requirements, Role Plays, Research activities and ICT Based Teaching.
3. The institution also organizes the following programmes:
  - Orientation Programmes for newly joined faculty members.
  - Awareness workshops on Outcome Based Education.
  - Hands-on training sessions on Assessment of Learning Outcomes.
  - Awareness workshops on Accreditation process.

**Examination reforms:**

A programme on Examination Reforms is conducted once in a year to the faculty.

**Content / knowledge management:**

The faculty is educated on the content/knowledge management through an awareness programme which is conducted twice in a year. The institution maintains the content on the Management Information system.

**Any other:**

Skill Based Training by industrial experts is imparted to the faculty twice in a year.

**2.4.13 What are the teaching innovations made during the last five years? How are innovations rewarded?**

Faculty members are enthused and focused on experimenting and implementing new teaching methods. These methods have brought out enriching learning experience at classroom. Faculty members who adopt innovative methods are recognized in the department and appreciated through a letter of appreciation. The college provides necessary IT support and bears the expenses to implement innovation.

1. Problem based learning
2. Learning through design of experiments and then validation in the lab
3. Learning through discussion of Open-ended problems
4. Field trips
5. Internships

6. Co-curricular and Extra-curricular activities through technical associations and various clubs in the college
7. Role play
8. Learning from peers

#### **2.4.14 Does the College have a mechanism to encourage**

- **Mobility of faculty between institutions for teaching?**
- **Faculty exchange programs with national and international bodies?**

#### **If yes, how have these schemes helped in enriching quality of the faculty?**

Faculty members who are experts in diverse fields are encouraged to share their knowledge / expertise at various forums organized regionally and nationally. Some of the notable endeavors are given below:

- a) Faculty members handle sessions on psycho-socio understanding of learners, classroom management, goal setting, time management, stress management, life skills, educational leadership and effective administration at various educational institutions.
- b) Many faculty members are invited as resource persons by other institutions to deliver guest lectures on various advanced topics in their own specialization in engineering, application of latest technologies, emerging areas of research; some of them are chairpersons for conferences/seminars organized by other institutions

## **2.5 Evaluation Process and Reforms**

### **2.5.1 How does the College ensure that all the stakeholders are aware of the evaluation processes that are operative?**

- The regulations, curricula and syllabi of all the programmes offered by the college are available in the college website. The regulations contain the details of the evaluation process.
- The syllabus book is given to the students.
- Student's attendance and their performance (results) is uploaded in the winnow software. Students and Parents can verify any information through that website.
- The students and faculty are informed of evaluation process, assignment tests, Mid Tests and end-of-the-semester exams through website, various circulars, and etc.
- The students and faculty are given the college program schedule, which contains timetable, academic calendar, internal test schedule, list of holidays etc. at the beginning of the semester.

In the orientation program conducted in the beginning of the odd semesters, faculty gives a small briefing about the examination and evaluation methods followed in the respective disciplines to the students.

- The parents are briefed about the evaluation methods followed in each discipline during the inaugural parent teacher meet and on orientation day conducted every year and during the Parents meetings.
- The institution has tied up with “Winnou system” for maintaining students’ attendance and marks. At the end of the day the student attendance is updated using that software. Every parent and student is given a user id and password, so that students can see their attendance and also parents can see their ward’s attendance and performance on daily basis.
- The periodic instructions issued by the affiliating university are promptly communicated to the students.
- The evaluation methods are discussed in detail in the staff meetings / CAC meetings and the final decision taken is conveyed through circulars.
- Students are informed in the beginning of the session regarding the internal examinations.
- Students are clearly made aware of the eligibility conditions required to appear in the final exams.
- The external examination results are posted in college portal and in ‘Winnou’ software, for every semester / Year.
- Human Resource Manual books are given to the faculty members.
  - Students’ Handbooks, Parents Guide, etc to be given to them before commencement of semester.

### **2.5.2 What are the major evaluation reforms initiated by the College and to what extent have they been implemented in the College? Cite a few examples which have positively impacted the evaluation management system?**

As an affiliated institution of JNTUH till 2016, evaluation norms of the university were followed. CIE component giving due weightage for the two mid-term examinations, evaluative assignment are the norms followed by the college.

The evaluation process underwent a change after the introduction of autonomy during the academic year 2016-17. Reforms in the examination procedures and processes have positively impacted the examination management system.

1. Technology is effectively used in the examination management process.

2. Complete automation of examination helped in the successful execution of examination processes such as monitoring of examination fee payment, examination schedule, seating arrangement, attendance monitoring, external evaluation, register number tracking through barcode, mark data entry through barcode reading, uploading semester examination results in the campus management solutions and preparation of mark sheets.
3. Revaluation and supplementary examination were also automated to ensure the effectiveness of the examination process.
4. The automated process facilitated the analysis of students' performance course-wise with much ease and we were able to undertake necessary measures for improvement
5. The results were published on schedule and made available in the personalized online portals of students
6. Answer books were replaced with the answer booklet designed by the college for midterm and end semester examinations
7. Barcode reading of registration number and total marks obtained was introduced to avoid coding - decoding hitches, nullify data entry error and faster processing
8. Facilitated ease of mapping of course outcomes to program outcomes and checking of implementation of Bloom's taxonomy

### **2.5.3 What measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance?**

1. The college has adopted a method of assessing the academic performance of the students on a continuous basis. The evaluation comprises two components; Continuous Internal Evaluation (CIE) and Semester End Examination (SEE). The weightage for CIE component is 30% and SEE is 70%.
2. The CIE component is assessed through students' performance in course assignments, and the average of the two mid-term examinations.
3. In addition to the regular practicals, appropriate efforts have been taken in the new evaluation methodology, to include components that evaluate students' performance in experiential learning activities such as industrial visits / field visits, internships and project work.
4. It has made teaching-learning experience application oriented and improved the overall performance of the students.

**2.5.4 What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigour of the internal assessment process?**

The weightage for CIE component is 30% in the total marks for a particular course. CIE is further segmented as shown below:

1. CIE methodology is designed by the College Academic Committee, recommended to the Board of Studies and approved by the Academic Council
2. A systematic evaluation schedule for CIE is prepared at the beginning of the academic year and intimated to the students and faculty members. The details are provided in the student handbook/Course files/lab manuals provided to every student. Scheme of valuation / criteria for assessment is also informed to the student
3. The schedule of CIE and adherence to it ensures continuous learning through periodic submission of assignment, evaluation of seminar/lab report/mini project and other skill development activities throughout the semester.
4. HoDs conduct a meeting with their respective department faculty members and decide upon various parameters involved in the evaluation component of courses
5. The quality of student assignments, project work and other experiential/experimental activity reports are monitored by the course coordinator, HoD and CoE.
6. Marks obtained by the students are uploaded in the personal web-top and is made available to the parents
7. A grievance redressal mechanism for addressing issues related to CIE is in place

**2.5.5 Does the College adhere to the declared examination schedules? If not, what measures have been taken to address the delay?**

- The college strictly adheres to the examination schedules prepared at the beginning of academic year by the CoE in consultation with the Principal and Dean, Academics and HoDs, and approved by the College Academic Committee.
- It is informed to the students and faculty members at the beginning of the academic year.
- The schedule is given in the handbook/Course files/Lab manuals in the form of CD and also published in the college website.
- For non-autonomous batches, college adheres to the schedule of the affiliating university.

### **2.5.6 What is the average time taken by the College for declaration of examination results?**

**Indicate the mode / media adopted by the College for the publication of examination results e.g. website, SMS, email, etc.**

The results of the examination conducted are published through the campus management solution and are made available in the personal web-top of the student and as well as the office of CoE. They are also placed on the college website and on notice boards. The end semester examination results are published within eight weeks. For non-autonomous batches, the affiliating university decides the schedule for publishing results.

### **2.5.7 Does the college have an integrated examination platform for the following processes?**

- **Pre-examination processes – Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.**
- **Examination process –Examination material management, logistics.**
- **Post examination process – attendance capture, OMR based exam result, auto processing, generic result processing and certification.**

- The college manages the evaluation process, vesting powers with CoE, supported by the examination committee.
- Faculty members deputed to the examination committee at the beginning of the academic year assist the CoE in the preparation and conduct of examinations.

#### **Pre examination process**

1. Detailed calendar of events pertaining to evaluation is prepared and disclosed to the students and stakeholders at the beginning of the academic year
2. The CoE collects details of panel of examiners for question paper preparation, valuation, conducting practical examination, requirements of the course (maps, graphs, statistical tables, etc.) from the departments.
3. Applications are issued to the students for regular and supplementary examinations
4. A copy of the syllabus, question paper pattern and a model question paper are sent to the external examiners for question paper preparation after getting their approval from the Principal.
5. A thorough scrutiny of question papers is done by a panel of experts on the day of the examination.



6. Software solution is used in students' list generation and seating arrangement preparation.
7. Invigilators list and attendance record of students are prepared well in advance by the office of the CoE
8. A time table for mid-term examination and End Semester Examination is prepared by the CoE, approved by the College Academic Committee and disseminated to the respective departments, put up on the class notice boards and published in college website
9. Guidelines on students and invigilators role during examination is informed through circulars
10. Hall tickets are generated and distributed for eligible students
11. Seating arrangement is specified in the hall ticket and college notice board for both mid-term examinations and end semester examinations

#### **Examination process**

1. Utmost care is taken to maintain confidentiality in the preparation, scrutiny and printing of question papers
2. Answer scripts with multiple security features are printed and adequate supplies are stored
3. The invigilator gets the signature by the students in the format issued by the office of the CoE
4. Strict vigilance is maintained during the examinations to ensure the sanctity of examinations
5. Invigilators and special examination observers help to maintain a disciplined atmosphere for the smooth conduct of examinations

#### **Post examination process**

1. Efficient arrangement is made for valuation of answer scripts within the stipulated period
2. Students' End Semester Examinations marks are captured through barcode reader
3. Consolidation of internal marks and the semester examination mark is carried out by the office of the Controller of Examinations
4. The marks are available through campus management solution and published in the personal web-top of students

5. Application for revaluation is processed and valuation is carried out, for students who apply for revaluation.
6. The office of Controller of Examinations prepares the marks lists of the students
7. Grievances, if any, are reported to the CoE and are redressed
8. Relevant statistical reports on examination results are prepared by "Students Performance Monitoring Committee (SPMC)".

**2.5.8 Has the College introduced any reforms in its Ph.D. evaluation process?**

College is not permitted to administer PhD programs

**2.5.9 What efforts are made by the College to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved process and functioning of the examination division/section?**

1. The CoE has a team of full time personnel to assist him. The role of each person is assigned and clearly defined by CoE for efficient conduct of examination
2. Examination committee comprising faculty members assist the office of CoE
3. Examination section has acquired necessary facilities for sorting and storage of examination material, hardware, barcode devices, copier, etc. which makes the office of the CoE self-sufficient
4. Confidential section is established for scrutiny and coding/decoding of answer books.
5. Custodians are appointed to supervise and manage valuation
6. Adequate infrastructure facilities are provided and constantly improved for the conduct of examinations
7. Processes such as question paper preparation and submission, entry of marks, evaluation, verification and decoding are computerized
8. Transparency and security of evaluation system is ensured

**2.5.10 What is the mechanism for redressal of grievances with reference to evaluation?**

The college has an effective mechanism for redressal of grievances relating to examinations as given below:

1. Students can approach the course faculty and submit their queries regarding CIE
2. Students may approach the office of the CoE for resolving problems or errors, if any
3. Provision is made for students to apply for revaluation of their answer scripts

4. If there is any further grievance, students can seek the intervention of the Grievance Redressal Cell for resolution of their complaints
5. The Principal is accessible for any kind of verification and redressal

## **2.6. STUDENT PERFORMANCE AND LEARNING OUTCOMES**

### **2.6.1 Does the College have clearly stated learning outcomes for its programs? If yes, give details on how the students and staff are made aware of these?**

1. The college believes that only outcome based education can be learner centric.
2. The graduate attributes and program specific outcomes of each program of the college are clearly articulated.
3. Further, course outcomes for each course are also clearly articulated.
4. All the departments have clearly stated their program educational objectives.
5. Departments also provide mapping of course outcomes to program outcomes, program outcomes to program educational objectives, which are in turn mapped to the vision and mission of the department.

#### **Institution level**

- At the institutional level, core values and guiding principles of the institution are spelt out clearly along with its vision and mission statement.
- The outline and learning outcome of the programs are published in the prospectus, the college website and the handbook.
- During the admission process the applicant is counseled regarding the outline and objectives of the opted program.

#### **Program level**

- The Department Assessment Committee together with the Program Assessment Committee guides faculty members of the department in framing clear and achievable learning outcomes for every program and course.
- Faculty members are involved in the formulation of syllabus and curriculum and are well aware of the objectives and learning outcome of the respective program and courses.
- During the orientation program, students are informed about the program, course content, outcome and benefits.
- Awareness about learning outcome is spread during department level meetings and activities.

**Course level:** Learning outcomes of every course is clearly defined through the objectives which are stated in the syllabus copy provided to the students.

### **2.6.2 How does the institution monitor and ensure the achievement of learning outcomes?**

- The college firmly believes that achievement of intended learning outcome is central to the pedagogical and assessment procedures.
- The institution ensures that its various programs and activities help to achieve the stated graduate attributes and program specific outcomes.
- Hence, it is imperative to monitor learning outcomes and analyze the quality of learning and teaching.
- Hence a systematic mechanism is in force to ensure the achievement of learning outcome.
- The program educational objectives reflecting the program outcomes and course learning outcomes provided in the course syllabus are reviewed by the BoS and approved by the College Academic Council
- Regular tests are conducted, immediately after completing a unit in almost every course. The institution evaluates the students through two internal tests.
- Learning outcomes achieved in each course at each department's respective program level along with program outcomes are monitored by the PAC and DAC, IQAC, Principal and the Management.
- To monitor the students' performance during an academic year, a class teacher is appointed in the department for each class.
- Feedback from the stakeholders enabled the institution to assess whether the learning outcomes and program outcomes are successfully achieved
- Frequent review of curriculum delivery in line with course plan of faculty members are undertaken by the department
- Semester-wise analysis of academic progression and incremental growth in student performance is undertaken by IQAC.
- Additional efforts are initiated to meet the gap in learning outcomes

### **2.6.3 How does the institution collect and analyze data on student learning outcomes and use it for overcoming barriers of learning?**

- i. The institution has a mechanism in place to analyze shortcomings in the achievement of learning outcomes and suggest improvement measures.
- ii. The data on student learning outcomes and program outcomes comprises academic performance, achievements and progression.
- iii. This data is collected through:

- Faculty member's appraisal of students' performance at course level
- Semester-wise performance reports at the department level
- Result analysis done at the institutional level
- Data on student progression collated by the department
- Report on student placements by placements section
- Feedback from employers and from other stakeholders
- Benchmarking and comparison with peer institutions

Based on the data collected following efforts are taken to overcome barriers:

**Table 2.6.3 Efforts taken to Overcome Barriers of Learning**

<b>Need identified</b>	<b>Efforts undertaken</b>
Increase success rate	<ul style="list-style-type: none"> <li>• Academic and psycho-social guidance</li> <li>• Remedial classes</li> <li>• Supportive study material</li> </ul>
Enhance soft skills	<ul style="list-style-type: none"> <li>• Communicative English course</li> <li>• Life skills education</li> <li>• Personality development programs</li> <li>• Attitudinal development workshop</li> </ul>
Improve Employability	<ul style="list-style-type: none"> <li>• Value added on courses</li> <li>• Advanced training in IT skills</li> <li>• Aptitude training</li> <li>• Internship and industry interface</li> </ul>

#### **2.6.4 Give Programme-wise details of the pass percentage and completion rate of students.**

**Students pass percentage and completion rate of students:**

<b>Programme</b>	<b>2015-16 (2012 Admitted)</b>	<b>2014-15 (2011 Admitted)</b>	<b>2013-14 (2010 Admitted)</b>	<b>2012-13 (2009 Admitted)</b>
<b>B.Tech</b>	88.08	80.12	93.11	86.79
<b>M.Tech</b>	31	44.91	88.31	78.20
<b>MBA</b>	Waiting for Results	80	93.47	97.95

**Any additional information regarding Teaching, Learning and Evaluation, which the institution would like to include.**

- A project titled Design and Development of Multi Wavelength LASER RADAR (LIDAR) is sanctioned by Department of Science and Technology (DST), Govt. of India with an overall budget of Rs.34.58 lakhs.
- We have MOUs with tech Mahindra, Zenopsis tech Pvt Ltd, Dark Horse IT consultancy Ltd, Data 64 cyber solutions Ltd, as incubations centers and give training for students, they also evaluate student performance and offer jobs.
- We encourage students to participate in the exhibition with working models with innovative ideas. Our two teams won prizes in the recently held competition known as “**Devathan**”. One team executed a model “**Automatic SMS generation whenever vehicle accident occurs**” and the other team. “**QUADCOPTER based pesticide spraying system for farmers**”.
- **College received the following AICTE grants:**
  - For the Department of ECE, Rs.5 lakhs was sanctioned for a two week FDP on “Advanced VLSI Design”
  - Rs.4.50 lakhs was sanctioned for EDC activities.
  - For the department of EEE, Rs.1 lakh was sanctioned for three day Seminar on “FACT Devices”.
- Three B. Tech programmes of the College were accredited by National Board of Accreditation, New Delhi- the first to achieve this distinction among the colleges established in and after 2005.
- College has been awarded the Best College in providing quality services in placements and is also awarded as Best TPO by Tech Mahindra for academic year 2013-2014.
- The college is the recipient of “**Engineering Educator award**” by University of Bradford, UK in association with Education Matters.
- College is recognized as R&D Center by DSIR (SIRO), Govt. of India.
- College is recognized as NBA training center under OU Nodal center.
- College is an authorized CISCO Academic Partner.
- College received permanent affiliation from JNTU-Hyderabad.
- College received UGC 2(f) and 12(b) status from UGC.
- College received ISO 9001:2008 certificate.
- College implemented winnow for maintenance of student attendance and result.

- College has developed its own software system to take feedback from students.
- College has **EZ school** software to maintain student and faculty details, student attendance, internal marks, external marks and evaluation etc.

### CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

#### 3.1 Promotion of Research

**3.1.1 Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.**

Yes. The college has in-house R&D Centre and the college has been recognized as Scientific and Industrial Research Organization (SIRO) by DSIR, Govt. of India. The college has a research committee consisting of the following members.

Institutional Designation	Role in the Committee	Name of the Staff Member S/Sri/Ms.
Principal	Chairman	Dr. S Udaya Kumar
Dean, R&D	Coordinator & Convener	Dr.R Surayanarayana Raju
Dean, Academics	Member	Dr.P.Ram Mohan Rao
Head, CSE		Dr.S.Nagender Kumar
Controller of Examinations		Dr. D. S. R. Murthy
Head, ECE		Dr. Vijaya Gunturu
Head, MECH		Dr. T. Siva Prasad
Head, S&H		Dr. G Neeraja Rani
Head, EEE		Dr.S. Radhika
Head, CIVIL		Prof S. Tirupati Rao
Head, MBA		Dr J Partha Saradhi

The following are the recommendations of the R&D Committee and their associated impact are furnished as below:

Recommendations	Impacts
Identify thrust areas of research in Engineering Sciences of national importance. Identify potential researchers in various departments. Encourage the research teams to make project proposals for financial assistance from various funding agencies namely, <i>DST, ISRO, AICTE, DRDO, Department of Ocean and Environment Sciences, etc.</i>	<ul style="list-style-type: none"> <li>• More than 30 faculty members have registered for Ph.D program in various departments. Three Ph.D scholars, guided by our faculty, were awarded Ph.D degrees.</li> <li>• Two R&amp;D Projects are sanctioned by DST and a few R&amp;D project proposals are under consideration by funding agencies.</li> </ul>



<p>Identify and advise various departments/ R&amp;D center to conduct/ participate in workshops, training programmes on capacity building in terms of research</p> <p>To organize guest lectures under Institute-Industry-Interaction programmes to promote research on industry needs.</p> <p>To consider and recommend faculty in the form of incentives, sabbatical leave, academic leave for improving their qualification and quality of research.</p> <p>To prepare the budget requirements for in-house R &amp; D projects every year</p> <p>To identify the requirements for modernizing the existing laboratories with additional experimental set ups/ instruments and technology for optimum utilization of the labs for research activity.</p> <p>To review and identify the required infrastructure and support in terms of technology and computational requirements for achieving excellence in research.</p> <p>Promote academic excellence and skills in young engineers/ students and faculty to take up R&amp;D career in different areas of Engineering Sciences.</p> <p>Providing seed money to faculty members to promote research.</p> <p>Providing financial assistance to the faculty members to publish/present research papers in journals/conferences.</p> <p>Encouraging faculty members to register for Ph.D.</p>	<ul style="list-style-type: none"> <li>• The Institution is applying for recognition as research centre under JNTUH and Osmania University, Hyderabad.</li> <li>• Signed MoUs with R&amp;D Organizations / Industries.</li> <li>• Research Centers are being established by each department to unleash talents of the young engineers and faculty to promote thought provoking process and research thinking.</li> <li>• More than 250 papers are published by faculty members in leading and peer reviewed international and national journals in the last four years.</li> <li>• More than 150 papers are published by faculty members in leading international and national conferences in the last four years.</li> <li>• Several faculty members are availing permissions for one full day per week to meet their Ph.D guides and actively pursue Ph.D Program.</li> <li>• Many faculty members received Cash incentives for their peer reviewed publications.</li> <li>• Several faculty have received financial assistance to attend workshops, seminars, FDP's in the areas of their research.</li> </ul>
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### 3.1.2 What is the policy of the College to promote research culture in the College?

#### Research Policy of the College

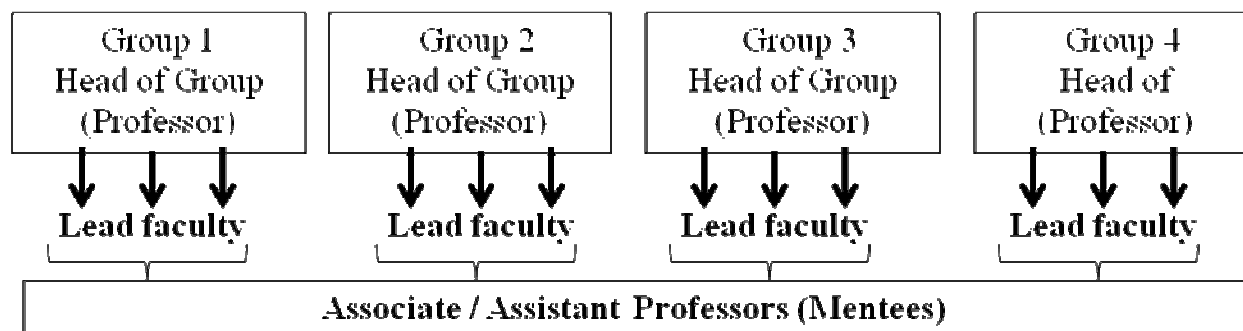
As part of its commitment to the creation and dissemination of knowledge, Geethanjali College of Engineering and Technology will foster an environment of open inquiry and academic freedom in which individuals can pursue scholarly activities. To this end, the college will

- Ensure and promote the highest standards of scholarly practice and ethical conduct.
- Ensure that human research participants are treated safely and with respect.
- Ensure that teaching and research activities involving applied research are performed
- Ensure that principles of stewardship are applied to research records, protecting the integrity of the assets.
- Support and develop research and scholarship through prudent resource management and the securing of external funding

The policy of the college is to promote and encourage research which is evident in the Vision and mission statements of the college. To this end, the college has formulated an organizational structure at departments that encourages younger faculty of the college to involve themselves in active research as follows:

- Each department is divided into four or five divisions, with each division Chaired by a Senior Professor.
- Divisions are divided as per various specializations in the department.
- Faculty involved in teaching courses pertaining under a division are grouped under that particular division.
- Along with the senior Professor, a few other senior faculty of that division act as lead faculty and act as mentors to other faculty of that division and guide them in their academic pursuits.
  - In each Group, two / three faculty members may be identified as lead faculty, by the Group Head and information passed on to the HoD.
  - Group Head and the lead faculty would act as Mentors for other faculty members of that group and ensure the teaching-learning process is highly effective in the corresponding courses of that group / specialization.
  - Lead faculty and other faculty of a group may interact very closely with the group Head on all academic / research matters belonging to the courses of the group

The structure mentioned is as follows:



The structure promotes

- A healthy mentor – mentee relationship among faculty
  - More learning opportunities for junior faculty (mentees)
  - Creation of a fairly good talent pool in various areas / specializations of the department
  - Establishment and conduct of creative and innovative experiments in the lab courses
  - Value added teaching – learning process through development of curriculum that promotes creativity and innovation in the students and faculty
  - Research culture
  - Establishment of a second rung leadership in various specializations
1. The research culture is promoted in many ways by the college at various levels.
  2. Faculty members and students are honored with honorarium and awards for their achievement in publishing their and successful completion of research and projects.
  3. Various subject experts are invited to address the faculty members and students on areas relating to research.
  4. The undergraduate and post-graduate (in particular) students are encouraged to take up research oriented projects for UG project and PG dissertation.
  5. All the facilities necessary for conducting the research work are provided in terms of infrastructure, manpower and extended working hours of the lab and library.
  6. The students are financially supported to attend/participate in conferences and present their research work.
  7. The faculty are encouraged to register for Ph.D through external registrations in IITs and other universities.
  8. The faculty pursuing PhD are given a day off in a week to pursue their Ph.D program.
  9. Faculty are given study leave for completing their course work in IITs/abroad in case of external registrations.

10. Faculty are provided the facilities required for carrying out the research work are made available through college funds.
11. The faculty members are further supported to apply for research grants to national and international agencies.
12. A provision for seed money funding is made available for faculty to carry out research.
  - a. Under this scheme of funding the faculty are provided with seed money to develop the experimental set-up and procure necessity components required for their work.
13. The college has provides travel grants to faculty to attend a national conference once in a year and international conference once in three years.
14. In addition to this, the faculty members are financially supported to organize/attend conferences/seminars/workshops/training programs.
15. Besides, the faculty are encouraged to publish their work in peer-reviewed journals. The financial support (if required) is provided to the faculty and students.
16. Faculty, who have published their work in conferences / journals are provided financial incentives.
17. Dean, R & D and a few senior professors facilitate, faculty in conducting research, writing research proposals, regularly attending the progress seminars and giving their valuable inputs.
18. College has appointed Dean R& D to look after research related issues.
19. Research tools like SPSS and MATLAB, equipment such as Spectrum Analyzer, RF Generators (0-3 GHz) etc. are made available in the college
20. The college has been recognized as a research centre, Scientific and Industrial Research Organization (SIRO) by Directorate of Scientific and Industrial Research (DSIR).

### **3.1.4 What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/projects?**

#### **Advancing Funds for Sanctioned Projects**

The college has adequate infrastructure facilities for research. The funds for the projects sanctioned have been expedited in time. The college has always advanced the necessary funds before the release of grants from external agencies.

#### **Providing Seed Money**

The R&D Centre invites research proposals from faculty on prioritized research areas, for which seed money is provided. Selected research proposals are forwarded to funding agencies.

#### **Autonomy to the Principal Investigator/Coordinator for Utilizing Overhead Charges**

The principal investigator / coordinator has complete autonomy and authority to decide regarding the utilization of the allotted research fund. However, the utilization is monitored by the Research Committee.

### **Timely Release of Grants**

The college firmly believes that timely release of grants are always greatly helpful and facilitated the same thereby helping the researchers in carrying out the funded projects, received from DST.

### **Timely Auditing**

The statement of expenses for projects is audited every financial year and also on the completion of the project. The financial administrator reviews them and the utilization certificate is submitted to the funding agencies. Reports are filed promptly.

### **3.1.5 How is interdisciplinary research promoted?**

#### **Between/Among Different Departments of the College**

- The college encourages inter-disciplinary research.
- ECE and CSE students carry out projects related to embedded systems.
- Projects related to Robotics and Mechatronics are undertaken by students from various disciplines
- Various branches of engineering students undertake final year projects in the field of computer science
- Research methodology and data analysis using SPSS training are provided by Department of Management Studies to the students and faculty of other departments for their project work.
- MBA students undertake IT related projects that are guided by CSE faculty members

#### **Collaboration with National/International Institutes / Industries.**

Various departments collaborate with NIT Warangal, IIT Hyderabad, IIITH, research institutes and Industries for the purpose of curriculum development, training and research.

### **3.1.5 How is interdisciplinary research promoted? Between / among different departments of the College**

Interdisciplinary research is promoted among various departments in the preparation of research proposals, wherein inputs are received from the faculty members of the departments that are involved and are used to strengthen the protocol.

#### Collaboration with national / international institutes / industries

Interdisciplinary research is not promoted in collaboration with national / international institutes / industries.

### 3.1.6 Enumerate the efforts of the College in attracting researchers of eminence to visit the campus and interact with teachers and students?

The Research committee of the college strongly recommends active and frequent interaction with experts by inviting them to interact with the faculty members and students. The suggestion is given due weightage and all the departments have been inviting external experts for this purpose.

In accordance with the research policy statement, the college has taken the following efforts to have eminent researchers visit and interact with the teaching and student fraternity.

- Highlighting encouragement to research and related activities by students and faculty members.
- Relentless pursuit for excellence in innovation and research
- Organizing conferences/seminars with themes pertaining to latest and relevant areas of research.

The research areas and the respective faculty expertise are given in the table below.

S.No.	Faculty Name	Area of Specialization
<b>Electronics and Communication Engineering</b>		
1	Dr. R S Raju	Microwave Engineering
2	Dr Vijaya Gunturu	Electronic Instrumentation, Medical Informatics
3	Dr. C Venkata Narasimhulu	Signal and Image Processing
4	Dr. S. Suryanarayana	Image Processing
5	Dr. Asa Jyothi	Microwave Antennas
6	Dr. V Satya Srinivas	GPS and wireless Positioning technologies
<b>Electrical and Electronics Engineering</b>		
1	Dr Sudha Radhika	Wind Engineering
2	Dr.Rajashekhar	Power Systems
<b>Computer Science Engineering</b>		
1	Dr.S.Udaya Kumar	Cryptography & Security, Image Processing
2	Dr.D.S.R.Murthy	Network Cryptography ,Image Processing
3	Dr.K.Srinivas	Information Retrieval Systems, DWDM, Search Engineers
4	Dr.S.Nagender Kumar	Wireless Sensor Networks; Internet of Things; Real-Time Data Mining
5	Dr.K.V.Ranga Rao	Parallel Computing, Machine learning
6	Dr.Ch.Ramesh Babu	Grid computing, cloud computing, w/w Security, image processing

7	Dr.B.V.Swathi	Information Retrieval Systems, Machine learning
<b>Mechanical Engineering</b>		
1	Dr. T. Siva Prasad	Analysis of burnishing process
2	Dr. M. Devaiah	Material Science
3	Dr. S T Raj Mohan	Business Management
4	Dr. Samuel john	Industrial Engineering & Management

<b>Civil Engineering</b>		
1	Dr. P.Rama Mohan Rao	Hydraulics & Water Resources Engineering
<b>MBA</b>		
1	Dr. J. Pardha Saradhi	Marketing, Finance and Taxation
2	Dr. Sita Madhavi	Marketing

<b>Science and Humanities</b>		
1	Dr. G Neeraja Rani	Solid state Physics
2	Dr. J. Anjaiah	Material Science
3	Dr. B Prabhakar Reddy	Fluid Dynamics
4	Dr. Vemula. Suseela Triveni	Operation research and Health care Administration
5	Dr. J. Shankar	Glass ceramics
6	Dr. B. Mamatha	Material Science
7	Dr. A. Padma	Real Analysis
8	Dr. K. Venkateswarulu	Computational Fluid Dynamics
9	Dr. Sk. Nuslin Bibi	Fluid Dynamics
10	Dr. R. Sanjeev	Chemical Kinetics, Chemical Education and Computational Chemistry
11	Dr. J. V. Madhuri	Vitamin <b>B<sub>12</sub></b> coenzyme model studies
12	Dr. A. Uma Devi	English Language Teaching
13	Dr. B. Nagamani	Language & Literature
14	Dr. S. K. Mohammed Ali	Ultrasonic Characteristics of Vegetable and Animal Oils
15	Dr. A. Madhusudhana Rao	Material Science
16	Dr. P. Kalyani	Real Analysis

## II. Collaboration with National/ International Institutes / Industries.

Various departments collaborate with NIT, Warangal, IIT Hyderabad, IIIT, Hyderabad, research institutes and Industries for the purpose of curriculum development, training and research.

**A. Cadence:** M/s Cadence conducted a two week FDP on Cadence software. Based, on this, GCET in association with Cadence developed a VLSI lab using Cadence software with license for 24 users. This lab is being used by M.Tech and B.Tech final year students and also for their project works, extensively.

**B. Physitech:** GCET has good relation with M/s Physitech and they supplied most of the equipment in ECE and EEE department labs. Also, Physitech conducted SDP/ TSDP program for technical staff. A few of our students are taking up major projects in this organization.

**C. TIME:** M/s TIME provides CRT training to 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year students on regular basis. This will help in improving soft-skills for placements.

**3.1.7 What percentage of faculty have utilized sabbatical leave for research activities? How has the provision contributed to the research quality and culture of the College?**

Some of the faculty members have utilized Sabbatical / Study / Academic leave for their activities towards research.

About 10% of faculty members have availed sabbatical / Study/Special leave for their research work. The college has a policy to depute faculty to pursue their Ph.D. at reputed Universities/IITs/ NITs enabling them to promote research oriented mind set in the campus.

The college also provides academic leave facility to the faculty who are required to attend the courses at the respective universities where they are doing their Ph.D. under external registration to fulfill the prerequisites.

The facility given by the college has contributed to improve the quality of research in the following ways

- a) Faculty have enhanced their knowledge levels in research activity and teaching learning process
- b) There has been an increase in number of faculty with Ph.D qualification. With the result the image, reputation and higher grade accreditation requirements have been achieved.
- c) Made the teachers to apply and get research projects from various government organizations.
- d) Obtained eligibility status for establishing Research Centers in various departments of the college.
- e) With the expertise in the areas of their specialization, the laboratories are modernized to carry out research activity.



List of Faculty who have availed Sabbatical Leave, Special Leaves/ academic leave for improving their educational qualification and quality of research, etc.

Dept.	Name of the faculty	No of days / Frequency	Nature of Leave
Mech	R. SUDHARSHAN	3DAYS / WEEK	Special Leave
Mech	B. SUBBA RAO	1DAY/WEEK	Special Leave
Civil	S. Hari kiran	1 day/week	Special Leave
Civil	B.Ravi Chand	2 days/week	Special Leave
Civil	Md.Osman Ghani	1 day/week	Special Leave
EEE	Mrs.D.Radhika	1 day/week	Special Leave
ECE	Mrs.B.Srilatha	1day/week	Special Leave
ECE	Dr.V.Satya Srinivas	11Months	Sabbatical Leave
ECE	P.Sudhakar	1day/week	Special Leave
ECE	S.Vasu Krishna	1day/month	Special Leave
ECE	G.Srilakshmi	1day/week	Special Leave
CSE	Mr B Srinivas	3Years	Study Leave
CSE	Mrs A Sreelakshmi	1day/week	Special Leave
CSE	Mr M Raja Krishna kumar	1day/week	Special Leave
CSE	Mrs G lokeshwari	1day/week	Special Leave

**3.1.8 Provide details of national and international conferences organized by the College highlighting the names of eminent scientists/scholars who participated in these events.**

The names and organizations of some of the eminent researchers participated in national/international conferences, workshops conducted by the departments / college are given below.

**Department of ECE**

S.No	Name of the Resource Person	Name of the Organization of the Resource person	Name of the program event	Title of the program/event	Date/s on which it was conducted
1	Mr. P Chandra sekar	Technique Design Group, hyderabad	National Conference	National Conference on Latest Trends in Signal Processing, VLSI and Embedded Systems	20.06.2014 & 21.06.2014
2	Mr. B. Anand Subramanyam	Control Tech, Hyderabad	National Conference	National Conference on Latest Trends in Signal Processing, VLSI and Embedded Systems	20.06.2014 & 21.06.2014

3	Mr. A.Sarveswara Rao,	DMRL, Hyderabad	National Conference	National Conference on Latest Trends in Signal Processing, VLSI and Embedded Systems	20.06.2014 & 21.06.2014
4	Mr. Vara Prasad Karamchedu	Director of Technical Solutions & Business Development, Award Solutions Inc., UK	Guest Lecture	Network Transformation & Road to 5 G	23.06.2016
5	Mr. Sandeep Satav	Scientist-F, Group Head, EMI-EMC Technology Centre, RCI	Guest Lecture	Electro Magnetic Interference and Compatibility	16.07.2016
6	Dr. T P Sasikumar	Former Space Scientist, Chairman - Shiksha	Guest Lecture	Virtual Reality	02.09.2016
7	Dr. T P Sasikumar	Former Space Scientist, Chairman - Shiksha	Guest Lecture	Being a Smart Engineer	02.09.2016
8	Mr. R.Vikas, Technical Director	Techno Tran Private Limited	Workshop	Embedded System Design with Hands-on Experience	12.06.2015 to 30.06.2015
9	Mr. Sandeep, Technical Assistant	Techno Tran Private Limited	Workshop	Embedded System Design with Hands-on Experience	12.06.2015 to 30.06.2015
10	Mr. T Anil Kumar,	Manager, Vision Networks	Workshop	Data Networking-Routing and Switching	22.02.2016 to 24.02.2016
11	Mr. G.Karthik	Intello Global Solutions, Hyderabad.	Workshop	Applications of DSP/DIP using lab view.	24.09.2014 to 25.09.2014
12	Mr. P.Vamshi Krishna	Intello Global Solutions, Hyderabad.	Workshop	Applications of DSP/DIP using lab view.	24.09.2014 to 25.09.2014
13	Dr.Jey Veerasamy.	<i>Erik Jonson School of Engg. &amp; Computer Science, The University of Texas at Dallas</i>	Guest Lecture	Data Base Management Systems & Programming Concepts	18.12.2015
14	Dr. S C Bhargava, Section	Ex. IEEE Chair, Hyderabad	Guest Lecture	IEEE and Professionalism	17.02.2016

15	Mr. M Suryanarayana	Retd. Sc/Engr. "SE", NRSC, ISRO.	Guest Lecture	Awareness Program on Remote Sensing	15.03.2016
16	Dr. V G Suryakanth	IIIT Hyderabad	Guest Lecture	Signal processing	01.04.2015
17	Dr.S.K.Koul,	IIT, Delhi	Guest Lecture	Circuit to System Level Practical Microwave Education	27.10.2014
18	Dr. Anil Kumar Vuppala	IIIT, Hyderabad	Guest Lecture	Applications of Signal Processing and Speech Processing.	11.09.2014
19	Prof.B. Hari Kumar Bandari	Institute of Science & Tech.	Guest Lecture	Antennas and Wave Propagation	15.07.2014
20	Dr.P.Narahari sastry	Professor-ECE-CBIT	ecture	recognition application in digital image processing	26.02.2014
21	Dr. K.Venugopal	Professor,GNIST, Hyderabad	ecture	ent Trends in Operating System	04.02.2014
22	Dr. K.Subba Rao	HOD,ECE,CBIT,Hyderabad	ecture	duction to Digital Signal Processing	06.01.2014
21	Dr.K.M.M. Rao	Formally Deputed Director,NRSC	ecture	age Processing and Its Applications	25.07.2013
22	amatha	NCCCM/BARC Hyderabad	Guest Lecture	Focus on Initiating and enhancing Eco friendly Technology in Electronics Engineering	21.12.2013
23	Dr.M.Jagadesh Kumar	IITD	Guest Lecture	Nano electronics & low power electronics	19.12.2013
24	Mr. C.R.Sarma, Professor of ECE	SVIT, Hyderabad	Guest Lecture	Aurdino Environment for Embedded Systems	21.01.2014
25	Mr. Syed Noor	ETS, Hyd.	Guest Lecture	Motivating Students in reaching Their Goals	7.09.2013
26	Md.Shakir	ETS, Hyd.	Guest Lecture	Motivating Students in reaching Their Goals	17.09.2013
27	Dr. V.M Pandharipande, Professor and Former Vice chancellor.	Dr. BAMU, Aurangabad	FDP	Electromagnetic Theory and transmission lines with emphasis on MATLAB and ANSYS.	22.12.2014 to 27.12.2014
28	Dr. PVD Somashekar Rao, Professor of ECE	JNTUH	FDP	Electromagnetic Theory and transmission lines with emphasis on MATLAB and ANSYS.	22.12.2014 to 27.12.2014
29	Dr. K	CBIT	FDP	Electromagnetic Theory and	22.12.2014

	Srinivasa Rao, Professor of ECE			transmission lines with emphasis on MATLAB and ANSYS.	to 27.12.2014
30	Mr R S Sai Ram	IITH, Hyderabad	FDP	Electromagnetic Theory and transmission lines with emphasis on MATLAB and ANSYS.	22.12.2014 to 27.12.2014
31	Dr. NVSN Sharma	NIT Warangal	FDP	Electromagnetic Theory and transmission lines with emphasis on MATLAB and ANSYS.	22.12.2014 to 27.12.2014
32	Dr. ragavendra rao, Scientist- G	RCI	FDP	Electromagnetic Theory and transmission lines with emphasis on MATLAB and ANSYS.	22.12.2014 to 27.12.2014
33	Dr. V Sarala, Scientist-F	RCI	FDP	Electromagnetic Theory and transmission lines with emphasis on MATLAB and ANSYS.	22.12.2014 to 27.12.2014
34	Dr M Chakravarthy, Scientistr-G	DLRL	FDP	Electromagnetic Theory and transmission lines with emphasis on MATLAB and ANSYS.	22.12.2014 to 27.12.2014
35	Dr. SVSSNGK Murthy	DIAT, Pune.	FDP	Electromagnetic Theory and transmission lines with emphasis on MATLAB and ANSYS.	22.12.2014 to 27.12.2014
36	Mr. J D Samuel Christopher, Application engineer	Trident tech labs Pvt Ltd	FDP	Advanced EDA Tools and latest equipments	16.12.2014 to 17.12.2014
37	Mr R S Sai Ram, Research Scholar	IIT, hyderabd	FDP	Advanced EDA Tools and latest equipments	16.12.2014 to 17.12.2014
38	Prof C.R.Sarma	Chief Technology Officer, Shri Siddeswari Electronics Equipment, Hyd.	FDP	Advanced EDA Tools and latest equipments	16.12.2014 to 17.12.2014
39	Mr. R Vikas, Technical Director	Techno Tran private Limited	Workshop	Certification on course on Embedded System Design with Hand on Experience	
40	Dr. B L Mallehwari	Sree Devi Women's Engineering College, Hyderabad	Project Exhibition	TECHEXPO-15	31.03.2015
41	Mr. G Karthik	Intello Global Solutions, Hyderabad	Workshop	Application of DSP/DIP using lab view	24.11.2015

42	Mr. P. Vamsi Krishna	Intello Global Solutions, Hyderabad	Workshop	Application of DSP/DIP using lab view	25.11.2015
43	Dr. T.C.Sarma	Dean of ECE Department, GRIET, Hyd.	FDP	Latest Trends and development in Microprocessor Applications	20.02.2014 to 22.02.2014
44	Sri. S. P. V Subba rao,	Assoc. Prof ECE dept. SNIST, Hyd.	FDP	Latest Trends and development in Microprocessor Applications	20.02.2014 to 22.02.2014
45	Sri M.B Murali Mohan, Director technical	KRNEX Microsystems, Hyderabad	FDP	Latest Trends and development in Microprocessor Applications	20.02.2014 to 22.02.2014
46	Sri V. Srihari, CEO	SITRA Infotech Hyderabad	FDP	Latest Trends and development in Microprocessor Applications	20.02.2014 to 22.02.2014
47	Sri. N.V.M. Sivaji, DGM	ECIL	FDP	Latest Trends and development in Microprocessor Applications	20.02.2014 to 22.02.2014
48	Sri C.S. Nagaraj	United Telecom Limited	FDP	Latest Trends and development in Microprocessor Applications	20.02.2014 to 22.02.2014
49	Mr. M.V. Padmanabhayya, Director	ETDC	SDP	Technical Staff development porogram	20.02.2014 to 22.02.2014
50	Mr. K. Suresh kumar, Application Engineer	Trident Tech Labs private Ltd.	SDP	Technical Staff development porogram	20.02.2014 to 22.02.2014
51	Mr. P.V. Kiran kumar	Physitech Electronics, Hyd	SDP	Technical Staff development porogram	20.02.2014 to 22.02.2014
52	Sr. Naresh Kumar, Accounts manager-Sales	Synergy Measurement Technology, Hyderabad	SDP	Technical Staff development porogram	20.02.2014 to 22.02.2014
53	Dr. Hara gopal Mani, HOD, ECE	Matrusri Engineering college	Project Exhibition	TechExpo-14	01.03 .2014
54	Seer Academy	Seer Academy	Workshop	VLSI System Design and programming	18.02.2014 to 22.02.2014

55	Mr. V. Anil, Production Engineer	PGP Electronics Pvt. Ltd.	Workshop	PCB Design and Fabrication	27.12.2013
56	Mr. M. Jyothin, Design Engineer	PGP Electronics Pvt. Ltd.	Workshop	PCB Design and Fabrication	27.12.2013
57	Mr. P. Lahari, Design Engineer	PGP Electronics Pvt. Ltd.	Workshop	PCB Design and Fabrication	27.12.2013
58	Ms. k. Sujana, Design Engineer	PGP Electronics Pvt. Ltd.	Workshop	PCB Design and Fabrication	27.12.2013
59	Mr.B.Tarun Tej, Technical Support	PGP Electronics Pvt. Ltd.	Workshop	PCB Design and Fabrication	27.12.2013
60	Mr.N.Raghu Chandra New Production engineer	PGP Electronics Pvt. Ltd.	Workshop	PCB Design and Fabrication	27.12.2013
61	Mr Srimi Gutta	Vice President, Invecas, Hyd.	FDP	VLSI Design-Emerging opportunities for R&D	11 to 13 May 2016

#### Department of EEE

S.No.	Name of the Resource Person	Name of the Organization of the Resource person	Name of the program/ event	Title of the program/event	Date/s on which it was conducted
1	Prof.S.Bhuja nga Rao	Director, School of Electronics, HOD, ECM dept.SNIST	Guest Lecture	Digital Signal Processing	16.03.2016
2	Prof.M.Sitar ama Sarma, HoD	CVSR, Hyderabad	Technical fest	Electrika	27.8.2016
3	Ghasiram Marandi	Sr. Manager BHEL R.C. Puram	Guest Lecture	Power Quality	6/4/2016
4	Dr.S.C.Bharg ava	Fellow IEEE	Guest Lecture	Solar concepts	6.4.2016
5	Bipattaram Halder	NFC, Hyderabad	Guest Lecture	Atoms in the Service of the Nation	3.4.2016
6	Prateek Khare	Virtusa Pvt Ltd	Guest Lecture	Soft Skills	13.8.15
7	Sharad Karve	Schneider Electric	FDP	FDP on PLC trianing	14.8.15
8	R.K. Manohar	AGM, Quality Control , BHEL	Guest Lecture	Research and Development BHEL	12.8.15

9	Mr.S.Mallesh am	Joint Director of Industries, Telanaga State	Technical Fest	Electrika	27.03.2015
10	Mr.Samuel Morris	Manager, Essar Steel India Ltd	Guest Lecture	Recent Trends in Transducers and its applications	10.01.2015
11	Mr.M.Chiranjeevi	Asst. Manager in Toshiba Transmission & Distribution IND PVT. LTD. For Switch Gear Products.	Guest Lecture	Introduction to Switch Gear and Control	01.10.2015

### Department of CSE

S.No.	Name of the Resource Person	Name of the Organization of the Resource person	Name of the program/ event	Title of the program/event	Date/s on which it was conducted
1	Mr.J.Badri Narayana	Director,IPA Education	Guest Lecture	SAP	23-06-16
2	Mr.Jatin Agarwal	Data Scientist, Pramati Technologies Pvt Ltd	Guest Lecture	Big Data Analytics	16-07-16
3	Ashok Joshi	CEO, Zenopsys	Guest Lecture	Awareness On Technology	08-09-16
4	G.Sai Pavan Goud	Sr.Software Engineer, Solix Technologies	Guest Lecture	Big Data & Hadoop with hands On practice	03-09-16
5	Mr P Srinivas	CEO, TRECIS, Master Trainer, Oracle Academy	Guest Lecture	Industry Readiness	27-01-17
6	Mr.N.Sreekant h	Manager, TCS	Guest Lecture	Software Engineering: Quality Management	01-10-15
7	Mr.G.Vijay kumar	Assoc Professor, Dept CSE,MVSREC	Guest Lecture	Linux Programming:Multith reading	07-10-15
8	Mr. J.Praveen Kumar	Director, Cronos consultancy SAP, Banglore	Guest Lecture	SAP	09-10-15
9	Mr.Y.Tirupathi Reddy	CAP-Gemini, North-America	Guest Lecture	Career Guidance	17-12-15
10	Dr.Jey Veeraswamy	Director, University Of Texas at Dellas, USA	Guest Lecture	Java Programming	04-01-16

11	Mr.K.Katam Amarendra	CEO, SMART Bridge Solutions Pvt Ltd, Hyderabad	Guest Lecture	IOT	13-04-16
12	Prof.C.R.Sarma	Vice-Chairman IETE,Hyderabad.	FDP	WSN Data Fusion For Support Of IOT Data Analysis With Hands On Practice	20-12-15
13	Dr.T.Ragunathan	Prof& Dean (R&D), Dept of CSE, ACE Engineering College, Hyderabad	FDP	WSN Data Fusion For Support Of IOT Data Analysis With Hands On Practice	22-12-15
14	Dr.G.Vijaya Kumari	Professor in Computer Science, JNTUH	FDP	WSN Data Fusion For Support Of IOT Data Analysis With Hands On Practice	09-05-16
15	Dr.Ravi Shankar	Prof, CSE Dept, LBREC	FDP	Logic Building and C Programming	12-05-16
16	Mr.V.Madusudhan Rao	Assoc.Prof, Dept Of CSE,CBIT	FDP	Logic Building and C Programming	13-05-16
17	Mr.GnanaSeelan	Manager, CDAC	Guest Lecture	Information Security Education & Awareness	13-08-14
18	Dr.Sameen Fathima	Professor & Head of Dept CSE ,OU	Guest Lecture	Information Retrieval Systems	14-08-14
19	P.Krishna Reddy	Professor, IIT-Hyderabad	Guest Lecture	Data Mining	23-09-14
20	Dr.K.V.N.Sunitha	Principal, BVRIT.	Guest Lecture	FLAT & Compiler Design	2-04-14
21	Mr.M.Dhanajaya Reddy	Senior Project Manager, DESHAW Software Pvt Ltd	Guest Lecture	DBMS	27-03-15
22	Mr.M.Naveen	Director,Coign.	Guest Lecture	Web Technologies – JSP	11-04-15
23	Mr.Anil	Sr.Developer, Coign	Guest Lecture	Web Technologies – JSP	11-04-15
24	Dr.Bejawada Bhruhadeshwar	Asst.Professor, IIITH.	FDP	Research Trends in Cloud Computing	15-12-14
25	Dr.SureshPurii	Asst.Professor, IIITH.	FDP	Research Trends in Cloud Computing	15-12-14



26	Ms.Nava Jyothi	STO, C-DAC.	FDP	Research Trends in Cloud Computing	16-12-14
27	Mr.G.Srinivas	Director, ERP Direct	FDP	Research Trends in Cloud Computing	16-12-14
28	Dr. Kumar Eswaran	Professor (CSE),SNIST	FDP	Research Trends in Cloud Computing	
29	Dr. B.Anuradha	Principal, Pragna Bharat Institute of Tech.	FDP	Research Trends in Cloud Computing	28-06-14
30	Dr. Suresh Pabboju	Prof. & Head (ITD), CBIT	FDP	Research Trends in Cloud Computing	28-06-14
31	Dr.Y.Rama Devi	Professor(CSE), CBIT	FDP	Research Trends in Cloud Computing	29-06-14
32	Dr. B.Sandhya	Assoc.Prof(CSED),M VSR Engg. College	FDP	Research Trends in Cloud Computing	29-06-14
33	Dr. B.Anuradha	Principal , Pragna Bharathi Institute of Technology.	FDP	Recent Trends & Challenges in Data Mining	05-12-13
34	Dr. Kumar Eswaran	Chairman & CEO, <i>Altech Power Energy Sys.Pvt.Ltd.</i> ,Professor (CSED), <i>SNIST</i>	FDP	Recent Trends & Challenges in Data Mining	05-12-13
35	Dr. V.Ravi	Assoc. Professor, IDRBT	FDP	Recent Trends & Challenges in Data Mining	05-12-13
36	Dr. M.Seetha	Professor , G.Narayanamma Institute of Technology and Science	FDP	Recent Trends & Challenges in Data Mining	06-12-13
37	Dr.N.Sandhya	Professor & HOD of CSE, Gokaraju Rangaraju Institute of Technology and Science	FDP	Recent Trends & Challenges in Data Mining	06-12-13
38	Mr. Sandeep Rawat	Associate Professor & HOD of CSE, Guru Nanak Institute of Technology	FDP	Recent Trends & Challenges in Data Mining	07-12-13
39	Mr.Sunil Bhutada	Assoc. Prof , CSE,SNIST	FDP	Recent Trends & Challenges in Data Mining	07-12-13
40	Prof. M L Sai Kumar	Professor & Dean,IPE, O.U.Campus, Hyd	Guest Lecture	Student Roles & Responsibilities	07-1-14
41	Prof. Abhirama Krishna	Director SBSS, Sec.	Workshop	Entrepreneurship awareness	30-1-14

42	Mr. Ramana Murthy	Retired DGM, SBI	Workshop	Entrepreneurship awareness	30-01-14
43	Mr. Vinay Kumar	CEO, DataWise	Workshop	Entrepreneurship awareness	30-01-14
44	Prof. Venu Gopal	MVSR Engg College	Workshop	Entrepreneurship awareness	31-01-14
45	Prof. G.Surender Reddy	Professor, SNIST	Workshop	Entrepreneurship awareness	31-01-14
46	Mr. Vijay kumar Devarakonda	Director, Indus world International School, Secundrabad	Workshop	Entrepreneurship awareness	31-01-14
47	Dr.B.Anuradha	Principal, PBIT.	Guest Lecture	FLAT	03-02-14
48	Dr.N.Sandhya	Professor & HOD of CSE, Gokaraju Rangaraju Institute of Technology and Science	Guest Lecture	Applications Greedy Method	05-02-14
49	Dr.K.Anuradha	Vice Principal, Gokaraju Rangaraju Institute of Technology and Science	Guest Lecture	Top down & Bottom up Parsers	05-02-14
50	Mr. P.Ramu	Consultant Software Architect, M/S logic Designers	Guest Lecture	Information Security Education & Awareness	09-02-14

#### Department of Mechanical Engineering

S.No.	Name of the Resource Person	Name of the Organization of the Resource person	Name of the program/event	Title of the program/event	Date/s on which it was conducted
1	Dr.Gupta	JNTUH	Guest Lecture	Law of Thermo dynamics	2013
2	Dr.P.Ravinder Reddy	CBIT	Seminar	FEM analysis	2014
3	Dr.Sabresh	BITS	Judge	BHASWARA (Tech. Symposium)	2014
4	Dr.Subhananda Rao	VJCET	Guest Lecture	Auditorium manufacturing	2015
5	Dr.Bharat B.Panigrahi	IIT,Hyd	Guest Lecture	Development of ductile metallic ceramics	2015
6	Dr.Srinivasa Prakash	BITS,Hyd	Guest Lecture	New VISTAS of manufacturing technologies for automotive and energy sector	2015
7	DrSrinivas Suri	MVSR	FDP	Engineering Mechanics	9.05.2014 to 14.05.2014

8	Dr.V.V.S.Sastry	KITS Warangal	FDP	Engineering Mechanics	9.05.2014 to 14.05.2014
9	Dr.K.Madhavi	MVSR	FDP	Engineering Mechanics	6.06.2016 to 11.06.2016
10	Dr.KRC.Reddy	CVSR	FDP	Engineering Mechanics	6.06.2016 to 11.06.2016
11	Dr.B.Ravi	SNIST	FDP	Engineering Mechanics	6.06.2016 to 11.06.2016
12	Dr.J.KandaSwamy	MVSR	FDP	Engineering Mechanics	6.06.2016 to 11.06.2016
13	Dr.P.Ravinder Reddy	CBIT	FDP	Engineering Mechanics	30 Nov-5 Dec,2015
14	Dr.Ch.Sridhar Reddy	JNTUH-CEJ	FDP	Engineering Mechanics	30 Nov-5 Dec,2015
15	Dr.P.Ramesh Babu	OU	FDP	Engineering Mechanics	30 Nov-5 Dec,2015
16	Dr.K.Saraswathamma	OU	FDP	Engineering Mechanics	30 Nov-5 Dec,2015
17	Dr.J.Chidanadappa	ISRO-Scientist	Guest Lecture	Thermo dynamics	22 Oct -2016

### Department of Civil Engineering

S.No.	Dept	Name of the Resource Person	Name of the Organization of the Resource person	Name of the program/ event	Title of the program/event	Date/s on which it was conducted
1	CE	Mr.G. Ravi Kumar	BASF, Hyderabad	Guest Lecture	Advancements of Admixtures in Concrete	August 02, 2016
2	CE	Mr. Ram Jagadesh Director.	JH Academy.	Guest Lecture	Civil Engineering Opportunities	Dec 23, 2016
3	CE	Mr. A. Nelson	Consulting Engineer and Engineering Mechanics Author	Guest Lecture	Engineering Mechanics – Dynamics of particles	January 30, 2017
4	CE	1. Prof. P.Srinivas Sarma 2.Dr. B.D.V. Chandra Mohan Rao 3. Prof. V. Mallikarjun Reddy	1. Prof. Civil Engg Dept, CBIT. 2. Prof. Civil Engg Dept, VNR VJIET. 3. Prof. Civil Engg Dept, GRIET.	FDP	3-Day FDP on Design and Detailing of Reinforced Concrete structures	June 08 to 10, 2016

### 3.1.9 Details on the College initiative in transferring/advocating the relative findings of research of the College and elsewhere to the students and the community (lab to land).

An R&D project funded by DST (DST File No: SR/S4/AS: 36/2009) has been completed by the department of ECE. This project aims at studying the range resolved microphysical properties of clouds and aerosols at this location (17.52<sup>0</sup> N, 78.63<sup>0</sup> E). Atmospheric aerosol particles play a vital role in the Earth's radiation which affects rain fall. They exert a net cooling influence on climate by directly reflecting the solar radiation to space and by modifying the shortwave reflective properties of clouds. Each year, increasing amounts of aerosol particles are released into the atmosphere due to biomass burning, dust storms, forest fires and volcanic activity. These particles significantly perturb the radiative balance on local, regional, and global scales.

The above study has provided information relating to the causes for respiratory problems of human beings due to increase in the presence of anthropogenic aerosols. In addition, the information revealed factors on the poor rain falls, etc.

Efforts are on way to interact with/educate the local public to ensure that no smoke is generated by firing waste, plastics, etc.

Students of ECE department have published several papers on Lidar technology and some of the papers presented have received the best paper awards in the conferences.

### 3.1.10 Give details on the faculty actively involved in research (Guiding student research, leading research projects, engaged in individual or collaborative research activity etc.)

The details of faculty involved in research guidance and projects handled are as given below

#### Research guidance by faculty for Ph.D. program

	Department	Name of the Faculty	Ph.D Scholars Guiding	Ph.D. Scholars Guided
	ECE	Dr.C.Venkata Narasimhulu	6	----
	ECE	Dr.Asa Jyothi	1	----
	CSE	Dr.S.Udaya Kumar	2	2
	CSE	Dr.D.S.R.Murthy	6	---
	CSE	Dr.B.V.Swathi	2	----
	ME	Dr. T. Siva Prasad	-	1
7	MBA	Dr. J. Pardhasaradhi	2	
8	MBA	Dr. A. Sita Madhavi	1	

In addition to guiding research scholars towards their Ph.D program, many faculty members are also guiding M.Tech and M.Phil. students

### Projects Handled by faculty

S.N.	Dept.	Name of the Faculty	Title of the Sponsored Project	Funding Agency	Sanctioned Amount	Status
1	ECE	P.Sudhakar, Dr.M.Satyanarayana, D. Rama Krishna Rao and Ms P Kalavathi*	Design and Development of Multi-Wavelength Light Detection and Ranging (LIDAR) LASER RADAR and Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere	DST	Rs 34.5 lakhs	Completed
2	ECE	Dr.V. Satya Srinivas	Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath”	DST	Rs 24 lakhs	Under Progress

\* JRF supported by the project.

### 3.2 Resource Mobilization for Research

#### 3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization for last four years.

The percentage of total budget earmarked for research is 2.5% of the total annual outlay. The details are shown in **Annexure: Annual Outlay for R&D**

#### 3.2.2 What are the financial provisions made in the College budget for supporting student research projects?

- a) For research projects the students are financially supported on need basis. Students can use college infrastructure during and after college hours.
- b) Every year the institution awards Rs.10,000/- per department for the best final semester project.
- c) Best innovative projects are funded by the institution for implementation.
- d) Lab, library and high speed internet facilities are made available beyond working hours for students' research.
- e) Winners of i-Quest are awarded with cash and certificate of merit during the college day.
- f) As and when the students approach for specific projects, the college has been giving adequate support.

Some of the details are provided in the below table.

S.N.	Academic Years	Amount Spent in (Rs.)
1	2016-17	1,00,000
2	2015-16	1,00,000
3	2014-15	1,25,000
4	2013-14	1,59,826

**3.2.3 Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last 4 years?**

- The college provides seed money to the faculty for conducting research activities in the institute on need basis.
- The amount is distributed over the following heads: travel, publications, purchase of equipment and consumables.
- The percentage of Faculty utilized Seed money for Research : 60 % (for paper publications, Conferences, attending workshops and FDPs)
- Institution provides 'On Duty' (OD) permission for faculty doing Ph.D. in other research centers. Each faculty member is eligible to avail Rs.5, 000/- per annum to attend conferences, seminars and workshops etc. The percentage of faculty who have availed this facility is around 30%.

Major Expenditures	Budget (in Rupees)			
	2016-17	2015-16	2014-15	2013-14
Computers	3,71,000	4,11,400	8,73,185	5,77,540
Travel	1,00,000	1,00,000	1,00,000	1,00,000
Conferences / Publications	78,300	75,500	72,075	35,800
FDPs	1,97,374	1,46,675	1,44,700	8,10,653
<b>Total in Rupees</b>	<b>7,46,674</b>	<b>7,33,575</b>	<b>11,89,960</b>	<b>15,23,993</b>

**3.2.4 Are there any special efforts made by the College to encourage faculty to file for patents?**

**If so, provide details of patents filed and enumerate the sanctioned patents.**

The institution is ready to provide the required facilities to encourage faculty members for the completion of funded research projects and publish the output in the form of publications in peer-reviewed journals with good impact factor.

However, since the college is in its infancy none of the faculty has filed patents.

**3.2.5 Provide the following details of ongoing research projects:**

DST, Ministry of science and technology, Govt. of India, has sponsored the project “Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath” in 2015-16 and Dr.V Satya Srinivas is the Principal Investigator for the same. Reference: DST file No.: SR/FTP/ES-156/2014

A total amount of Rs. 21.5 Lakhs is sanctioned on 04<sup>th</sup> September 2015.

Sanction of the SERB is also accorded to the payment of Rs. 17.00 lakh only with a breakup of Rs. 15.00 lakh only under non-recurring and Rs. 2.00 lakh only under recurring to the Principal, Geethanjali College of Engineering and Technology, Cheeryal.

The details are as follows:

<b>S.N.</b>	<b>Head</b>	<b>Total (in Rs.)</b>
1	Non Recurring –Equipments ( GNSS receiver, work station, Printer)	15,00,000/-
2	Recurring -	
A	General A (Consumables, contingency, Travel- Domestic)	3,50,000/-
B	General B (overhead charges)	3,00,000/-
	Total	21,50,000/-

**3.2.6 How many departments of the College have been recognized for their research activities by national / international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.**

The College is recognized as **R&D Center by DSIR (SIRO), Govt. of India (F.No. 11/532/2011-TU-V)**

Department of ECE was sanctioned 2 projects by DST, Govt of India.

- a) Mr. P. Sudhakar as Principal Investigator titled “Design and Development of Multi-Wavelength LASER RADAR ( LIDAR) and Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere”. DST, Ministry of science and technology, Govt of India, File no.SR/S4/AS:36/2009. The total budget amount sanctioned was Rs. 34.5 Lakhs. The project was successfully completed. The duration of the project was 3 years and 4 months (from 03.11.2010 to 02.07.2014).
- b) DST, Ministry of science and technology, Govt. of India, has sponsored for the project “Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath” in 2015-16 and Mr. Satya Srinivas, associate Professor of ECE department is the Principal Investigator for the same. Reference: DST file No.: SR/FTP/ES-156/2014. A total amount of Rs. 21.5 Lakhs is sanctioned on 04<sup>th</sup> September 2015. The duration of the project is of 3 years.

**3.2.7 List details of completed research projects undertaken by the College faculty in the last four years and mention the details of grants received for such projects (funded by Industry/ National/International agencies).**

S.No	Funding Agency	Title	Department	Amount	Status
1	DST, Govt of India	Design and Development of Multi-Wavelength LASER RADAR ( LIDAR) and Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere	ECE	Rs. 34.5 Lakh	Completed



### 3.3 Research Facilities

#### 3.3.1 What efforts are made by the College to keep pace with the infrastructure requirements to facilitate Research? How and what strategies are evolved to meet the needs of researchers?

The college offers both UG (Under Graduate– B.Tech) and PG (Post Graduate) programs in different streams so that it meets the curriculum and industrial needs including the research and management to develop state of art facility for the benefit of students, faculty members and community.

Students are provided with exclusive internet facility in digital Library to upgrade their knowledge.

Each faculty room is equipped with computers with internet connectivity, special software namely, MATLAB, MultiSim, ANSYS, Microsoft Azure, etc. All systems in Labs and Department are provided with internet facility.

Lab on demand from IITs are used in the systems for developing projects.

Access to **IEEE, ELSEVIER, SPRINGER and SCIENCE DIRECT** in the digital Library is made available.

R&D Labs are established in ECE department, CSE department and in Mechanical Department.

Our college has modern hardware and software facilities to facilitate research, such as 3 GHz Spectrum analyzer, 3 GHz RF signal generator, OFC and communication kits, MATLAB and Scilab software, etc.

#### **Internet Service Providers:**

Vainavi Communication (P) Ltd -	48 Mbps
Excel Media (P) Ltd -	16 Mbps

#### 3.3.2 Does the College have an information resource centre to cater to the needs of researchers? If yes, provide details on the facility.

The college has subscribed to various e-journal packages. The packages cover journals with multiple accesses and download facility for all faculty, students, researchers and staff members. Considering the importance given for R&D in our campus, all faculty and staff members utilize this facility to come out with constructive outputs in terms of publication, funded projects, consultancy and innovative products and solutions. Faculty members have been provided with login facility. The list of journals offered by each publisher is attached for ready reference.

1. Facilitate specialized journals and magazines which are required by the researchers as listed below
2. Open access facility at the library for 18hrs to the Researches
3. e-journals facility to the Researches from IEEE, British Library, Delnet, Infotrack Engg Collection And National Digital Library
4. Providing the Internet facility with band width of 15 Mbps

A.Y.	International / National journals (print)	E-resources
2016-17	218	5
2015-16	232	5
2014-15	106	5
2013-14	96	5

**3.3.3 Does the College provide residential facilities (with computer and internet facilities) for research scholars and faculty?**

--No--

**3.3.4 Does the College have a specialized research centre/ workstation to address challenges of research programmes? If yes, give details.**

Apart from the curriculum requirement the college has developed over the years several research facilities for doing research and development activities in various fields.

With thrust on creating and sustaining research culture among its stake holders, the College provides all the possible support, systems and encouragement.

With special focus on Research and innovation, GCET gives high priority to promote research.

**Details of supports extended are the following:**

- Seed money is provided for project proposals submitted by the department to carry out initial research.
- Research committee of the college motivates and helps the faculty in preparing research proposals and on their behalf interacts with research agencies namely, DRDO, DST, ICAR etc. It helps the Principal Investigators of the ongoing projects:
  1. Interact with experts from other academic institutes and industries in the concerned fields.

2. Facilitates bilateral visits and discussions with national and international researchers, recommends the faculty for training and attending workshops and conferences in the emerging areas in which project proposals are to be submitted.
3. Extends administrative support for filling up the application, procuring and servicing of equipment and preparing Utilization Certificate for the funds received.

The details of the Research centers are as in the below table.

S.N.	Name of the Dept.	Name of the Research Centre	Facilities (software and hardware)	I/C faculty
1	ECE	Embedded & RF Systems	<ol style="list-style-type: none"> <li>1. Cadence UG simulation bundle tool set version 6.1.6</li> <li>2. Spectrum analyzer supporting up to 3 GHz</li> <li>3. RF Signal generator support up to 3 GHz</li> <li>4. MATLAB version 9 with tool boxes, release 2016 b perpetual license</li> <li>5. Xilinx version 9.2i</li> <li>6. Multisim version 14.0 spice based circuit sim s/w from NI</li> <li>7. Lidar system</li> </ol>	Dr R S Raju
2	CSE	Computing Laboratory, IOT Lab	Microsoft Azure, R , JDK8, MySql, XAMP, MSDN,WEKA, PENTAHO DATA INTEGRATION TOOLS,Ubuntu	Mr. Chandramouli
3	ME	CAD/CAM LAB	Pro/E( CREO 3.0) ANSYS (5.0 )	K.Vijay

**3.3.5 Does the College have research facilities (centre, etc.) of regional, national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.**

The Research centers established at GCET in a few Depts. are used by the college faculty pursuing research. The research lab of ECE department was used by DRDO and IMD.

These would be made available to the other researchers and Industries as and when the need arises.

### 3.4 Research Publications and Awards

#### 3.4.1 Highlight the major research achievements of the College through the following:

##### A. Major Papers presented in regional, National / International Conferences

**Table 3.4.1A: Total Number of Conference Papers Published Department wise**

Dept.	2013-14	2014-15	2015-16	2016-17	Total
CSE	0	11	1	7	<b>19</b>
EEE	2	6	2	2	<b>12</b>
ME	1	0	1	15	<b>17</b>
MBA	2	0	1	1	<b>4</b>
ECE	12	40	10	7	<b>69</b>
CE	1	0	0	0	<b>1</b>
S&H	6	10	5	24	<b>45</b>
<b>Total</b>	<b>24</b>	<b>67</b>	<b>20</b>	<b>56</b>	<b>167</b>

##### B. Publications per Faculty

**Table 3.4.1 B: Total Number of Journal Papers Published Department wise.**

Department	2013-14	2014-15	2015-16	2016-17	Total
CSE	12	39	19	24	<b>94</b>
EEE	5	8	7	<b>0</b>	<b>20</b>
ME	6	8	12	12	<b>38</b>
MBA	6	2	2	0	<b>10</b>
ECE	17	37	7	18	<b>79</b>
CE	1	11	17	5	<b>34</b>
S&H	18	17	13	16	<b>64</b>
<b>Total</b>	<b>65</b>	<b>122</b>	<b>77</b>	<b>75</b>	<b>339</b>

For more details refer to Annexure-ECE-A, Annexure-CSE-A, Annexure-EEE-A, Annexure-ME-A, Annexure-CE-A, Annexure-MBA-A of the respective department's evaluative reports. For S & H department's Research Publications, please refer to Annexure-S&H-A at the end of this Criterion-3.

**Table 3.4.1 C: Faculty Serving on the Editorial Boards of National and Int. Journal**

Department of Computer Science & Engineering		
Name Of the faculty	Name of the Journal	Role
Dr. S. Nagender Kumar	"International Journal on Smart Sensing and Intelligent Systems (S2IS)	Associate Editor

<b>Department of Electronics &amp; Communications Engineering</b>		
<b>Name of the faculty</b>	<b>Name of the Journal</b>	<b>Role</b>
Dr. Vijaya Gunturu	2 <sup>nd</sup> International Conference in Engineering Education (ICTIEE) held at Bangalore during Jan.5-8, 2015 under the aegis of Indo-US Collaboration for Electronic Engineering Education (IUCEE) with active collaboration of the American Society for Engineering Education (ASEE), Global Engineering Deans Council (GEDC), the IEEE USA and the International Federation of Engineering Education Societies(IFEES)	Reviewer
Dr. Vijaya Gunturu	International Journal of Advanced Engineering and Research Development (IJAERD)	Editorial Board Member, since May, 2015
Dr. CV Narasimhulu	International IEEE Conference (RTEICT-2016) Int. J. Network Security (IJNS)-2016	Reviewer Reviewer
Prof RS Raju	Reviewer of IEEE Trans on Electron Devices Member International Steering Committee on Electron Devices	Reviewer since 2007 Reviewer since 2015

<b>Department of Science &amp; Humanities</b>		
<b>Name Of the faculty</b>	<b>Name of the Journal</b>	<b>Role</b>
Dr.R.Sanjeev	World Journal of Chemical Education (USA) <a href="http://www.sciepub.com/journal/WJCE/editors">http://www.sciepub.com/journal/WJCE/editors</a>	Associate Editor
Dr G.V.Madhuri	Associated Asia Research Foundation (AARF)	Associate Editor
Dr G.V.Madhuri	International Journal of Advances in Engineering and Technology.	Associate Editor
Dr G.V.Madhuri	Reviewer for European Journal of Engineering Education	Reviewer

**Faculty members on the organization committees of international conferences, recognized by reputed organizations / societies.**

Table 3.4.1D: Table Faculty Members on the Organizational Committees of International/ National Conferences

Department of Electronics & Communications Engineering				
S. No.	Name of the Faculty	Name of the Responsibility	Organization/ Society	Date
	Dr.R.Suryanarayana Raju	Member, International Steering Committee	International Vacuum Electron Sources Conference (IVESC)	2014
	Dr. Vijaya Gunturu	Chair, Publications Committee	International Conference on Cloud Computing, Technology, and Applications (ICCCTAM 2012) Co-sponsored by the IEEE UAE Section held at & Organized by the BITS Pilani Dubai Campus, Dubai International Academic City, Dubai, UAE	Dec.8-10,2012
	Dr.C.V.Narasimhulu	Session Chair	5 <sup>th</sup> International Conference on Innovations in Electronics & Communication Engineering (ICIECE),Conducted by Gurunanak Institutions,Technical Campus,Hyd	8 <sup>th</sup> to 9 <sup>th</sup> July, 2016
			National Conference on Communication, Signal Processing and VLSI (NCCSPVLSI),conducted by MallaReddy Engg College (Autonomous),Hyd	12 <sup>th</sup> Nov , 2016

**3.4.2 Does the College publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?**

No.

However we have a tie up with the “Bonfring Publishers”. The papers presented in national level conference on “Latest Trends in Signal Processing, VLSI and Embedded Systems” which was conducted by Department of ECE were published in e-proceedings of Bonfring Publishers. Further, the papers were reviewed by the Editorial board of Bonfring and best papers were asked to modify and submit for International Journal Publications.

**3.4.3 Give details of publications by the faculty:**

**A. Number of papers published in peer reviewed journals (national / international)**

S.No.	Details	Numbers
1	Peer- reviewed Publications (including multiple authors)	270
2	Monographs	-
3	Chapters in Books	10 (details given in section 3.4.3.A.3)
4	Editing Books	1 (details given in section 3.4.3.A.4)
5	Books with ISBN Number	2 (details given in section 3.4.3.A.5)
6	Number listed in international database (e.g. Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO	1 (details given in section 3.4.3.A.6)

	host, etc.)	
7	Citation Index- Range/ average	83 to 201
8	SNIP	-
9	SJR	0.75 to.305
10	Impact Factor- Range/ average	1 to 6.209
11	h-Index	69 to 87

### 3.4.3.A.3.Chapters in Books:

#### Department of Computer Science & Engineering:

S.N.	Name of the Faculty	Title of the Book	Chapters contributed	Title of the Chapter	ISBN No.
1.	Suryadevara N.K	Perception and Machine Intelligence	Chapter in Book	Smart Sensing System for Human Emotion and Behaviour Recognition	Verlag Berlin Heidelberg, Lecture Notes in Computer Science, 7143, pp: 11-22, 2012.
2.	Suryadevara N.K	Smart Sensors, Measurement and Instrumentation, Vol. 9, Internet of Things: Challenges and Opportunities	National(chapter in book titled Teaching English To Rural Students OF Higher Education IN India IN THE Context OF Globalization- Issues, Concerns and Challenges	Ambient Assisted Living Environment Towards Internet of Things Using Multifarious Sensors Integrated with XBee Platform	ISBN 978-3-319-04222-0, Springer-Verlag, 2014 pp. 1-18.
3.	Suryadevara N.K	Internet of Things: Challenges and Opportunities	Lecture Notes in Computer Science	Internet of Things: Challenges and Opportunities”, Smart Sensors, Measurement and Instrumentation	ISBN 978-3-319-04222-0, Springer-Verlag, 2014 pp. 1-18.
4.	Suryadevara N.K	Smart Sensors, Measurement and Instrumentation, Vol. 2, Pervasive and Mobile Sensing and Computing for Healthcare: Technological and Social Issues	Chapter in Book	“Are Technologically Assisted Homes Safer for the Elderly”, Smart Sensors, Measurement and Instrumentation	ISBN 978-3-642-32537-3, Springer-Verlag, 2012, pp. 51-68.

**Department of Science & Humanities:**

S.No.	Name of the Faculty	Title of the Book	Chapters contributed	Title of the Chapter	ISBN No.
1.	Dr B. Nagamani	The heterogeneity of story writing-a critical evaluation of eight Indian short story writers in English	Chapter in Book	Thematic study of Pranab Kumar Majumder's bouquet of stories	87-93, 2015, ISBN No.978-93-5207-038-1
2.	Dr B. Nagamani	Role of Culture in Second Language Acquisition	National(chapter in book titled Teaching English To Rural Students OF Higher Education IN India IN THE Context OF Globalization- Issues, Concerns and Challenges	Teaching English To Rural Students OF Higher Education IN India IN THE Context OF Globalization- Issues, Concerns and Challenges- <i>Role of culture in Second Language Acquisition'</i>	158-165, 2015, ISBN No. 978-81-930334-1-8
3.	Mr V.S.Raghava	A guide book on understanding learners in the class room for B.Ed.,	Course book	Course book	-
4.	Mr V.S.Raghava	Teaching English language to second language students	Course book	Course book	-
5.	Mrs K. Madhumathi	Osmania University External Education English B.A Hons Course Text Book.	lessons 1. Mathew Arnold. 2. Scholar Gypsy	Course book	-
6.	L. Karuna Devi	M.A.Distance Education-"ELT"	Course book for Osmania University Distance Education	Course book for Osmania University Distance Education	-



**3.4.3.A.4. Editing Books :**

Co-Guest Editor Prof. Dr. Nagender Kumar Suryadevara, Special Issue "Sensors for Home Automation and Security", Sensors-MDPI

**3.4.3.A.5. Books with ISBN Number :**

1. Dr.Ramesh Babu, An Effective Check pointing and Replication techniques for computational grid, ISBN No. 978-3-659-62544-2,
2. N.K.Suryadevara and S.C.Mukhopadhyay; “Smart Homes Design, Implementation and Issues”; Springer International Publishing, Switzerland; ISBN: 978-3-319-13557-1; pp:1-180.

**3.4.3.A.6. Number listed in International Database (Web of Science/Scopus):**

**Dr.S.Nagender Kumar: ResearcherID: G-6095-2016**

**3.4.4 Indicate the average number of successful M.Phil and Ph.D. scholars guided per faculty.**

**Table 3.4.4: Details of the Faculty with Number of Ph.D Scholars Guided.**

<b>Department</b>	<b>Name of the Faculty</b>	<b>Ph.D Scholars guided</b>
Computer Science and Engineering	Dr S Udaya Kumar	2
Mechanical Engineering	Dr T Siva Prasad	1
<b>Total</b>		<b>3</b>

**3.4.5 What is the stated policy of the College to check malpractices and misconduct in research?**

Every Research Paper/Dissertation (that has been declared “Satisfactory”) shall undergo Plagiarism Check as per the University/College norms to ensure content Plagiarism below acceptable level for submission. In case of unacceptable Plagiarism levels, necessary modifications/ additions should be carried out in the Research Papers/Dissertation and should be resubmitted.

**3.4.6 Does the College promote interdisciplinary research? If yes, how many inter departmental / inter-disciplinary research projects have been undertaken and mention the number of departments involved in such an endeavor.**

Yes, the college encourages interdisciplinary research between different departments. Department of Electronics & Communications Engineering interacts with Department of Mechanical Engineering in the design and analysis of antennas using ANSYS software. An EMTL course with emphasis on MATLAB and ANSYS was conducted to the students and faculty.

To promote interdisciplinary research, state of art “Internet Of Things” (IOT) lab is planned to be set up to cater to the needs of entire college.

### **3.4.7 Mention the research awards instituted by the College.**

The College management encourages the faculty pursuing Research to publish the papers in esteemed national and international journals/conferences by providing incentives.

### **3.4.8 Provide details of**

#### **A. Research Awards received by the faculty :**

- Mr.P Sudhakar, P. Kalavathi, D. Ramakrishna Rao and M Satyanarayana , “Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad, India” ISPRS TC VIII International Symposium on Operational Remote Sensing Applications: Opportunities, Progress and Challenges, Hyderabad, December 9-12, 2014. [This presentation has been selected as the 3<sup>rd</sup> best in the Symposium]
- Dr.R.S.Raju received JC Bose Memorial Award for Best Engineering paper in 1992.
- Dr R.S.Raju received Commonwealth Scholarship award in '82 for pursuing Ph.D. at Univ. of Cambridge, U.K.
- Dr G.V.Madhuri received National Award for teaching excellence for contributions towards education innovation in Chemistry discipline in Indo-Global Education Summit & Expo
- Dr. Vijaya Gunturu received Khosla Research Award of the University of Roorkee, Roorkee in the year 1998.
- Dr. Vijaya Gunturu received Best Paper Award winner for the Communications and Signal Processing Session of the National Systems Conference held during Jan. 1998 organized by Research Centre Imarat (RCI), DRDO, Hyderabad.
- Mr.P.Sudhakar received Best Paper Award winner for the conference paper entitled “Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad, India” ,The ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India.
- This presentation has been selected as III best in the ISPRS Technical Commission VIII

Symposium, 09 – 12 December 2014, Hyderabad, India and Rs 1,000/- cash prize has been awarded.

**Recognition received by the faculty from reputed professional bodies and agencies:**

- Dr. M Satyanarayana is a member of Project Management Council (PMC) of ST (Stratosphere and Troposphere) RADAR Project funded by Department of Science and Technology, Government of India, New Delhi.
- Prof. D Ramakrishna Rao is a member of Monitoring and Reviewing Committee (MRC) of MF (Medium Frequency) RADAR Project of NARL ISRO, Department of Space, and Government of India.
- Dr. M Satyanarayana is the Chairman of the Expert Advisory Committee on “Weather Modification through Cloud Seeding” being proposed by Kerala State Electricity Board Limited, Government of Kerala, Trivandrum.
- Dr. M Satyanarayana is a Visiting Professor in the Department Opto Electronics, University of Kerala, and Trivandrum.
- Prof. E V L N Ranga Charyulu is a member of R&D and Industrial Coordination Sub-Committee, IETE, Hyderabad.
- Dr. Udaya Kumar Susarla won the “Best Teacher” award in Sreenidhi Institute of Science Technology for the year 2001-2002 and for the years 2004-05, 2005-06, and 2006-07. He is the Master trainer, NBA and Chairman of “Restructuring committee” of DEC, Ethiopia.
- Sri.D.Venkateshwarlu , Associate Professor received “Merit Certificate” from the Balaji Institute of Technology & sciences.
- Dr. S Radhika is a Recipient of Global COE (GCOE) funding from Japan Government (2009-2012) for Doctoral Studies at Tokyo Polytechnic University Japan & M.Tech Gold Medalist , Amrita Vishwa Vidyapeetham, ISTE, Life Member
- Dr. B. Nagamani received best paper presenter award in the 11th int. & 47<sup>th</sup> National ELT@I Conference conducted by Vasavi College of Engineering(Autonomous) at Taramati Baradari, Hyderabad, from 30th June-02 July, 2016
- Dr. B. Nagamani and Mrs. G. Karuna Kumari Secured first prize at National Level for Designing and Developing PADLET to teach English conducted by ELTAI as part of its Hornby Trust-funded program.  
URL: <http://padlet.com/nagamanikarunasoftskills/GCET>
- Dr Nagender Kumar Suryadevara, Senior Membership recognition in IEEE professional society for the research contribution.

- Dr.R.Sanjeev has received recognition as Biography included in Marquis Who is Who in the World 2013 and 2015.
- Dr G.V.Madhuri performed Panel Judge for NCSC- 2012, conducted by NCSTC, Department of Science and Technology, Govt.of India.
- Dr.Vijaya Guntur served as the Executive Committee Member of the IEEE UAE Section, Dubai, United Arab Emirates from Aug. 2008 till June 2014.
- Dr.Vijaya Guntur served as the Chairman, Publications Committee of the IEEE UAE Section, Dubai, United Arab Emirates from Feb. 2012 till June 2014.
- Dr.Vijaya Guntur served as Leader of a Cross-Campus Task Force (No.14) for “Branding BITS” from Mar. 2009 to May, 2012 as part of BITS, Pilani Vision 2020- Mission 2012.
- Dr CV Narasimhulu is serving as Executive Committee Member of IETE, Hyderabad Centre; and Chairman for Sub-Committee “Skill Development, Library and Student Matters”.
- Mr P Sudhakar is serving as Member in Technical Committee of IETE, Hyderabad.
- Mr Venkatarami Reddy is serving as Chair, Students’ activity for IEEE, Hyderabad Section.

**3.4.9 State the incentives given to faculty for receiving state, national and international recognitions for research contributions.**

The college deposes its teachers to attend refresher and orientation programs, conferences, seminars and training programs organized by other institutes, universities and research organizations.

**Table 3.4.9: Suitable Incentives are given for Research Contribution.**

**Incentives for national/international journals/conferences:**

S.No.	Name	OD	TA	Incentive
1	National Conference	YES	50%	Rs.1000/-
2	National Journal	-	-	Rs.1000/-
3	International Conference	YES	50%	Rs.1500/-
4	International Journal	-	-	Rs.2000/-
5	Workshop	YES	50%	Rs.500/-

### 3.5 Consultancy

#### 3.5.1 What is the stated policy of the College for structured consultancy? List a few important consultancy services undertaken by the College.

The policy of the College for structured consultancy is given below.

1. All the available infrastructural/ equipment facilities will be made available for the consultancy projects, as required.
2. If new facilities are to be created, mutually agreed terms for purchase of the same would be worked out with the customer in regard to investment to be made and ownership of the equipment / facilities after the project completion.
3. The faculty consultant(s) would be spared for the consultancy work without affecting the academic commitments of the faculty; however, reduction of the academic workload of the faculty will be considered keeping in view the project completion time.
4. **Income sharing formula:**
  - a. Consultancy work undertaken at customer site not involving the use of the college facilities.
    - Income from the consultancy would be shared by the college and the faculty on 15:85 basis.
  - b. College infrastructural / equipment facilities.
    - The charges payable by the customer would consist of two components, one based on the cost of usage of the facilities as estimated by Cost counting Committee and the other, based on the service cost of the faculty. The charges for the first component would be allocated to the college in full and the charges for the second (service component) would be shared by the college and the faculty on 15:85 basis.
5. For the consultancy work of special nature, not covered above, policy guidelines will be framed on case to case basis.

#### 3.5.2 Does the College have College-industry cell? If yes, what is its scope and range of activities?

The organization has constituted Industry Interactive Committee to collaborate with industries and outside organizations and to take up consultancy works.

The Industry Interactive Committee is given below:

S.No.	Institutional Designation		Name of the Staff Member Sri/Ms.
1.	Principal	Chairman	Dr. S Udaya Kumar
2.	Head, IT	Member	Dr. K Srinivas
3.	Associate Professor, EEE		N V Bharadwaj
4.	Associate Professor, ME		K Jithender Reddy
5.	Professor, ECE		OVPR Siva Kumar
6.	Associate Professor, MBA		K Arther Paul
7.	Associate Professor, MBA		A I Prashanth
8.	Professor, MBA		Dr. A.Sita Madhavi
9.	Professor, CSE	Convener	N Chandrakanth

Our institute has arranged for an external visit of Chairman, Corporate, Social Responsibility, IT Industry Mr. Bharani, CEO, **Butler America**. He visited our institution on 25<sup>th</sup> October, 2014, to advise regarding the establishment of the institute industry interface. He addressed the CSE and IT students to stress the importance on industrial training and internship programs for the students.

In the workshop held by R&D Center on “Recent Trends in Cloud Seeding Technology and Applications” our Chairman Shri. G Ravinder Reddy, Principal Dr. S Udaya Kumar and eminent speakers, Prof. M Anji Reddy, Director R&D, JNTUH, Prof B M Reddy, Emeritus Scientist NGRI, Chairman DST Panel, Prof B V S Amaty, IMD & JNTUH (Retd), Dr. P Srinivasulu, NARL, ISRO and Director of R&D Center Dr. Satyanarayana has delivered lectures on the importance of cloud seeding technology and various applications of it.

Mr. Srinivas Lolla has collaboration with our college, SAIF, CSIR-IICT, Government Polytechnic – Masab tank, and IIT, Bombay for “Fuel Enrichment techniques for higher efficiency and reduced pollution” for which the experiments are conducted by Bio Electrical and Energy Systems(Regd.).

#### **Salient Points of Industry Interaction by the Department of Computer Science :**

##### **1. Oracle Academy:**

- GCET signed up with Oracle Academy to impart industry ready **technical certification training** (Java and PL/SQL at present) to select students every semester. These students will be evaluated after training and awarded certificates which are recognized by the industry at large.

## **2. MoU with Tech Mahindra.**

- The institution has a Campus Connect program with Tech Mahindra through which the faculty and experts from the company will bridge the gaps in the skills of the students to meet the industrial requirements. Through this program we make the students research oriented, ready for industry placements and mainly improving their technical abilities and thought process.
- **Train-the-trainer** program is being conducted by TechM to few faculty from the Dept of CSE.
- **Learn from Campus** Program has been conducted by TechM in association with our institution for the select students. This ensures the students are ready with basic training as soon as they are on boarded for the job.

## **3. MoU with Zenopsys technologies Ltd.**

- Dr. S. Nagender Kumar (HOD – CSE Dept) along with select students has been working on providing technical solution for Zenopsys as part of consulting work agreement. The team has provided a solution to update the NDTV Website on behalf of Zenopsys.
- Internship programs and final project work on live industry applications are being conducted for the final year BTech and MTech students by Zenopsys technologies Ltd.

## **4. MoU with BEES Consulting.**

- Select students from the Dept of CSE have worked on creating a test bed and test the application in addition to enhancing the Swasthya Bharath application for BEES Consulting.

## **5. EXCITE Program:**

- GCET is part of the **EXCITE program** that is conducted by TASK(Telangana academy for skill and Knowledge) in association with JNTUH and HYSEA (Hyderabad Software Entrepreneur Association) for the students to work on future innovative projects.

## **6. Cyber Security Conclave:**

- The Faculty from Dept of CSE are invited every year for the Cyber Security Conclave that is conducted by HYSEA (Hyderabad Software Entrepreneur Association) in association with NASSCOM.

## **7. Linkwell Telesystems Pvt. Ltd.**

- Some of the students have worked on STARS project which is a highway accident alert system (which got 1<sup>st</sup> prize during Devthon organized by CSI on the auspices of 50<sup>th</sup> anniversary celebrations). This team worked with the Technical team from Linkwell Telesystems (Vision Tek) to develop the prototype of the solution.

8. In addition, FDPs for Faculty and Guest lectures/workshops for students are conducted on a regular basis with eminent experts from the industry (both for technical enrichment and career guidance).

The institution has MOUs with the industries namely,

- Tech Mahindra
- Oracle Academy
- Dark Horse IT Consulting Ltd.
- Zenopsys Technologies Ltd.
- Data 64 Cyber Solutions Ltd.
- Sitra Infotech Private Limited.
- Navanidhi Electronics Private Limited.
- Powertronics Limited.

The Industry- Institute interaction in MBA department is classified into the following categories:

1. Survey and Market research
2. Placements & Training
3. Entrepreneurship
4. Industrial visits
5. Guest lectures

Mr. Srikant Goud, Research Head, IMRB has given the students, opportunity to conduct surveys and market research.

Dr. A. Sita Madhavi is a freelance educational consultant. She has been indulging in corporate training and generating leads for placement. The students have been tested for their readiness through interviews conducted by Mr. Nirmal, Head Human Resource, DCB bank. Mr. V.N Arvind Kumar, Consultant & Sr. Research analyst at IT firms like Factcet and Brigade has actively involved himself in training the students to face interviews specifically in finance specialization. Mr. Santhosh Reddy, Consultant at BSE trained the students on “On Line Trading with BSE/NSE”. Mr. K. Suresh, Co founder Smart steps trained students on soft skills. Regular talks are organized by the department to encourage start ups and entrepreneurs. Budding entrepreneurs like Kashyap Kompella and Dr. Harsha, Co founders, Valmore, shared their experiences.



Mr. Kashyap Kompella, Entrepreneurship Innovation Consultant, gave a guest lecture in “Entrepreneurship opportunities and Start Up culture”. Amateur entrepreneurs of current 2<sup>nd</sup> year were given first hand exposure to product designing, manufacturing and marketing. Ms. Harika (student) developed her own hobby into multi level marketing strategy. Students were able to showcase their business acumen.

To educate the faculty on the importance of Data analytics, Prof. Dr. M Appalaiah conducted a workshop in SPSS Work Shop in 2014. This improved their capability and expanded their skill in data analysis.

### **3.5.3 What is the mode of publicizing the expertise of the College for consultancy services?**

**Mention the departments from whom consultancy was sought.**

- a) By updating the profile of the expert faculty members in the college web page (along with specialization / research activity)
- b) By encouraging expert faculty to deliver lectures in various conferences / symposia / workshops
- c) By deputing the expert members to known industries for interactions so that an industrial tie-up could be formed leading to consultancy activity.

### **3.5.4 How does the College encourage the faculty to utilize the expertise for consultancy services?**

Offering monetary benefits to faculty involved in consultancy as per the college policy.

Providing all the necessary support to faculty to make field and industrial visits and meet the consultancy demands.

Faculty members are permitted to utilize the infrastructure and lab facility to perform the laboratory tests and utilize the software for solving and analyzing their consultancy projects.

### **3.5.5 List the broad areas of consultancy services provided by the College and the revenue generated during the last four years.**

Dr RS Raju Professor of ECE and Dean, R&D is rendering consultancy services to M/s VEM Technologies Pvt. Ltd., Hyderabad for making a specific microwave component for defense purpose.

In addition the college has been providing infrastructural facilities to M/s TCS for conduct of various competitive examinations.

The Revenue Generated through TCS in the last Four years is:

- (i). Rs. 5,32,985/- - for the academic year 2016-17.(as on 8<sup>th</sup> Jan 2017)
- (ii). Rs 12,14,152/- for the academic year 2015-16.
- (iii). Rs. 8,65,745/- for the academic year 2014-15.
- (iv). Rs. 9,30,004/- for the academic year 2013-14.

### **3.6 Extension Activities and Institutional Social Responsibility (ISR)**

#### **3.6.1 How does the College sensitize the faculty and students on Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience.**

The college facilitates various sensitization campaigns for the faculty and students to inculcate the social responsibilities and involve them in various social movements/activities which could promote citizenship roles. Some of the outreach programs include:

- a) Creating awareness among the neighborhood community on cancer and its impact.
- b) A campaign on Dust Free Hyderabad was conducted to promote “Swatchh Bharath Abhiyan” an initiative by Govt. of India
- c) Organizing Blood donation camps for helping the needy.
- d) A campaign was conducted in the neighborhood villages for promoting and encouraging the villagers towards Cashless economy

**3.6.2 How does the College promote College-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?**

The college promotes the college – neighborhood community network through NSS cell of the college. It conducts books distribution campaign for government school children, Distribution of basic amenities for the Mid Day Meal Scheme, Blood Donation Camps, and organizes various health camps.

The college also conducts visits to old age homes, orphanages, cancer awareness campaigns etc... in the nearby villages (of Cheeryal, Thimmaipally and Anthaipally), which would create service orientation and caring attitude in the student. This makes the students inculcate holistic development and good citizen ship in them.

The institution organizes open house technical expo and other events for public involvement in the academic activities of the college. These events give opportunities to students to demonstrate creativity and technical excellence.

By participating in the above mentioned events, students improve in effective team work and co-ordination skills.

**3.6.3 How does the College promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?**

- a) Students are encouraged to join the service organizations like the NSS, YRC etc at the time of their admission.
- b) The faculty takes membership and supports the activities of these organizations.
- c) Campaigning for membership to join these organizations is conducted at the beginning of the year.
- d) The faculty coordinators conduct orientation classes to inspire students
- e) Talks are given by invited speakers about the objectives and benefits of these schemes to inspire and motivate students
- f) Students are informed how these activities help them in getting holistic education.

- g) Students are informed how it helps them in developing a large number of contacts and thereby develop a huge network that may eventually facilitate them in shaping their career.
- h) Students are given special incentives in the form of facilitating them to borrow more number of books from the library.
- i) Faculty members are given appreciation letters.
- j) Faculty contributions towards these activities are included in the annual Faculty Appraisal.

**3.6.4 Give details on social surveys, research or extension work (if any) undertaken by the College to ensure social justice and empower the under-privileged and most vulnerable sections of society?**

Most vulnerable groups depend on natural resources for their sustenance. Over exploitation and development of pressures often erode these resources making these communities (ST) more vulnerable and threatened leading toward livelihood insecurity.

Climate Change: The impacts of climate change will fall disproportionately on the vulnerable due to their dependence on natural systems for their livelihoods, which will lose their productive capacities in the absence of appropriate scientific and technological interventions. Science & Technology inputs will be needed for both vulnerable communities' and ecosystems adaptation. In addition, Science & Technology application can allow the vulnerable communities to participate in and benefit from developmental co-benefits of climate change mitigation efforts.

- The college through its NSS cell arranges legal awareness classes every year empowering the vulnerable and underprivileged students.
- The Women Empowerment and Protection Cell of the college regularly organizes classes on various activities such as painting, flower making and arrangement, and beautification tips to the local woman community.
- The Women Empowerment and Protection Cell of the college arranges awareness programs on "Laws against Domestic Violence".

Social surveys are conducted in relevant fields:

- a) The faculty of English conducted a survey on learning disability of rural children. Remedial classes were arranged for students identified with the disability.
- b) Faculty of English facilitates students of underprivileged with spoken English classes.
- c) Survey on the influence of financial status and parental influence on academic behavior of students was done by the college and the issues are addressed.

Through NSS activities we create awareness in the villagers about the environment and its effect on health.

We have executed a DST funded LIDAR project (total cost of Rs. 35Lakhs). Making use of this LIDAR we can study the troposphere region for aerosols number density and their size distribution. This enables us to measure the concentration of the pollutants and their dispersion in the atmosphere. This study gives an idea of Suspended Particulate Matter (SPM) and air quality in the Cheeryal village area.

In addition to this we have an Automatic Weather Station setup by IMD for measuring temperature, atmospheric pressure, wind speed, wind direction, rainfall etc., in the college premises. This information can be used by the villagers for their agricultural operations.

**3.6.5 Give details of awards / recognition received by the College for extension activities / community development work.**

- a) Students and Faculty of the college are recognized by Indian Red Cross Society with an appreciation letter for the Blood Donation Camp organized in the college.
- b) The college was given an appreciation letter by Lions Club of India, in recognition of Blood Donation Camp conducted in the college.

**3.6.6 Reflecting on objectives and expected outcomes of the extension activities organized by the College, comment on how they complement students' academic learning experience and specify the values and skills inculcated?**

The Institution imparts education focused on developing socially committed and responsible individuals to be compassionate towards the under privileged and marginalized sections of the society. The opportunities of participating in various extension and outreach activities organized by various departments and clubs enable students to play an active social role.

Through these activities, students are sensitized

- a) About issues of social importance
- b) On secular ideals, social consciousness, and awareness of cultural heritage, which are promoted when special days, religious festivals and days of national importance are observed.

Further, classes are arranged for developing leadership and decision making skills to equip students to face the challenges of the real world.

**3.6.7 How does the College ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the College which have encouraged community participation in its activities.**

- a) NSS camps are conducted in rural villages and activities like cleaning and construction are arranged with the help of local community leaders and gram panchayats.
- b) College with the help of student and faculty volunteers, hundreds of tree saplings were planted in the campus and also in Cheeryal, Thimmaipally and Antaipally Villages.
- c) Counseling sessions and medical camps have been organized in the college and also in the village with the assistance of hospitals and YRC.
- d) Training programs have been arranged for the women of the local community on certain skills empowering them to have a livelihood.
- e) College has adopted Cheeryal village and promotes several activities.
- f) Special training was given to the High school students of the Cheeryal, Thimaipally villages on computer hardware and basic software

**3.6.8 Does the College have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?**

Geethanjali College of Engineering and Technology's motto is "Striving towards perfection". The college firmly believes that civic sense and civic skills are required for sustainable future. Many civic skills are necessary in achieving the motto. Some of the civic skills are readiness to study issues pertaining to local, society and wider community at large.

Inclination is required to identify socio-economic and ecological dimensions of various issues that are needed to be resolved.

The college inculcates the ability to examine issues and to follow-up with action to achieve sustainable future. Developing these skills is the main focus of any education. With these implications, the college conducts various activities to incorporate awareness on the duties of every citizen.

Students are counseled in classroom and in person, during mentoring sessions on the following to promote citizenship roles and how such roles help the students in their professional development:

- a) Encouraged to participate in various activities, which promote citizenship roles.
- b) About the importance of taking up such activities so that they acquire holistic education.
- c) On how these activities help in them in establishing a huge network with various persons inside and outside the college and how it helps them in their long professional career.
- d) On how these activities help them in the development of their Organizational skills, Interpersonal skills and Leadership skills, which would pave way for their professional development.
- e) Sensitize the students about the imperative need to pay back to the society through neighboring community development activities.

The college organizes/celebrates the following events to promote social movement/activities which promote citizenship roles among the students:

- a) All special days of national and international importance and of social and civic relevance are observed in the College. To cite a few namely, Independence Day, Republic Day, Gandhi Jayanthi, etc.
- b) Students organize “Teacher’s Day” and distribute greeting cards and gifts to faculty members
- c) Awareness program on planting of trees is organized on World Environment Day and World Forest Day by the Eco Club.
- d) All the departments encourage students to involve in activities which stress their role as committed citizens of the society.
- e) Traditional Day is celebrated on the eve of “Sankranthi” festival every year creating awareness on Indian Culture and traditions associated with Indian Culture
- f) International Women’s Day is celebrated every year, showcasing the talents of girl students.

- g) International Yoga Day Celebrations are done in the college, in association with Art of Living Foundation on 21<sup>st</sup> June. Faculty and students are encouraged to participate in this event to promote healthy body and healthy mind.
- h) NSS organizes health camps and health awareness programs.
- i) NSS organizes “clean and green campus” program every year
- j) NSS organizes “Blood Donation” camp every year
- k) Birth Centenaries of famous literary figures/ scientists/mathematicians are celebrated.
- l) Plays are staged on socially relevant issues.
- m) Poster competitions are conducted by clubs and departments spreading social awareness among students.
- n) College organizes Mock United Nations Session of various diplomatic issues of relevance.

**3.6.9 Give details on the constructive relationships (if any) with other institutions in the nearby locality in working on various outreach and extension activities.**

Following extension activities are conducted by the college in these schools:

- a) In Government Primary School, Cheeryal, there are only two teachers supporting all the Classes from I to V. To augment the teaching requirement, the college sponsored an additional teacher on ad-hoc basis.
- b) The college provided computer systems to Government High Schools of Cheeryal and Yadgarpalli and also supported by maintenance of the computers. The college conducted computer training to the students.
- c) The college conducted training on “Conservation of Environment” for promoting awareness in the students and teachers of the Government Primary and High schools in Cheeryal.
- d) In the above schools, the college conducted special “Spoken English” sessions to the students.
- e) The College has partnered with Sreenidhi Institute of Science and Technology (SNIST) in NSS activities – “Bachpan Bachavo’ to protect and educate orphan children.

**3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.**

- a) University of Bradford, UK, and Education Matters presented “The Engineering Educators” Award to our organization for exemplary commitment and impactful positive



contribution to the education sector.

- b) Ministry of Labour and Employment, Government of India gave appreciation letter to the college, in recognition of “Swatchh Bharath Abhiyan” conducted by the NSS wing of the college at “Kolanupaku” village near Aler, Telangana
- c) In recognition of the various extension activities listed above to help the school students, appreciation letters were received by the college from Government Primary and High Schools of the near-by villages Cheeryal, Thimmaipally, Anthaipally and Yadgarpalli.

### 3.7 Collaboration

#### **3.7.1 How has the College’s collaboration with other agencies impacted the visibility, identity and diversity of activities on the campus? To what extent has the College benefitted academically and financially because of collaborations?**

The GCET has interaction with academic institutions, certification bodies, consultants, professional bodies and nearby industries for enhancing teaching-learning process, research, training and placement and infrastructure maintenance.

The College has interaction with Osmania University, Hyderabad, JNTUH and NIT-Warangal, IIIT- Hyderabad for conducting workshops and conferences.

Collaboration with industries such as ORACLE, TechMahindra, Dark Horse IT Consulting Limited, Zenopsys Technologies Ltd , Data 64 Cyber Solutions Ltd, Sitra Infotech Private Limited, Navanidhi Electronics Private Limited, Powertronics Limited has lead to internships, certification programmes, in exchanging thoughts by organizing seminars, and live projects of B.Tech and M.Tech final year students.

The institution has relationship with industries such as BHEL, ECIL, DRDO, DLRL, DRDL, RCI, NERTU and Ananth Technologies for internships and live projects of B.Tech and M.Tech final year students.

Telangana Academy for Skill and Knowledge (TASK), National Entrepreneurship Network (NEN) and T.I.M.E institute are helpful, in skills development among students and faculty.

The college is working together with IEEE, CSI, IETE, ISTE to strengthen the technical skills.

**Benefits:**

- a) Improved Teaching Learning Environment.
- b) Industry oriented B.Tech and M.Tech projects.
- c) Improved R & D consultancy activities
- d) Improved Placement & Training.
- e) Exposure to students on practical and Industrial aspects through Industrial tours.

**3.7.2 Mention specific examples of, how these linkages promote****a) Curriculum Development**

The Academic Council and BoS of each department have leading industrial experts and eminent professors from higher learning institutions namely, IIT, NIT, IICT, IIIT, BITS Pilani Hyderabad, Oracle, DRDO and JNTUH. The expert services are utilized in the curriculum development and planning research activities. All the departments conduct various seminars/ guest lectures by calling industry experts and leading academicians and their suggestions are also taken into considerations in improving curriculum development, and this helps in improving overall academic standards of the institute. The linkage with various professional bodies like CSI, IETE, IEEE, ISTE, IEI, etc. provide access to expertise in various engineering disciplines for curriculum development.

**b) Internship, On-the-job Training**

Collaboration with various industries has helped in providing internships, doing final year projects and getting exposure to the industrial environment. This resulted in substantial improvement in the quality of projects as well as exposure to the updated technologies. Tech Mahindra campus connect program, Dark Horse IT Consulting Limited and TIME institution helped a lot in getting placements for the institution.

**c) Faculty Exchange and Development**

(i) Collaboration with AICTE, DST, BITS Pilani-Hyderabad, JNTU-Hyderabad, Osmania University-hyderabad, IIT-Bombay and NIT-Warangal facilitated to organize and attend various Faculty Development Programmes, Seminars, Workshops and National / International Conferences.

(ii) More than 150 faculty members are trained by attending the workshops conducted

by IIT Bombay and NIT Warangal.

(iii) Faculty members are encouraged to attend various Faculty Development Programmes of reputed institutes and gain knowledge in the key areas. Faculty members are also encouraged to do their Ph.D. course work at reputed institutes like NITs, JNTUH and JNTUK which promotes exchange of knowledge.

(iv) Faculty members are encouraged to gain knowledge from the industries through Industrial Visits. The exchange of knowledge from the industries promotes industrial perspective to the faculty and students and also helps them to carry out industry related projects.

**d) Research, Publication**

Collaboration with DST, Tokyo Polytechnic University, Japan, JNTUK and JNTUH facilitated to publish research articles in National / International Journals / Conferences

**e) Consultancy, Extension**

The Consultancy Cell was established recently. However, Incubation Center and Entrepreneur Cell are functioning with collaboration with industrial experts to identify the talented students and faculty members to promote, entrepreneur skills and Start-ups. Collaboration with TechMahindra, ORACLE and Business English Certification (BEC) course helps the students to obtain International Certificates.

**f) Student Placement**

MoUs are signed with many companies which enhanced the number of students placed in, on and off campus. The college is well connected with the leading software companies like TechMahindra, Accenture etc., through various initiatives. The students are equipped with external training on Aptitudes and Soft Skills, Personality Development programmes to promote and increase the number of placements

**g) Any other, please specify**

**Professional body activities towards the curriculum and co-curricular activities**

The collaboration of the College with the above agencies created a large impact in identity and diversity of activities on the campus through professional bodies for the enrichment of the technical and other skills among the students and faculty. Each department maintains various professional bodies and clubs. The activities are given below:

**About CSI Student Chapter:**

CSI Student Chapter is to facilitate research, knowledge sharing, learning and career enhancement for all categories of IT professionals, while simultaneously inspiring and

nurturing new entrants into the industrial and helping them to integrate into the IT community. The CSI is also working closely with other industry associations, government bodies and academia to ensure that the benefits of IT advancement ultimately get into every single citizen of India.

#### **ISTE Student Chapter**

Indian Society for technical Education (ISTE) student chapter was established with an aim to improve the student's overall personality in line with the nation's technical education system. Through ISTE student chapter, students are given training in the state of the art technologies in collaboration with experts from industry and academia. Workshops conducted in the recent past had a huge impact on shaping the careers of future engineers.

#### **IEEE Student Branch**

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community to innovate for a better tomorrow through its highly-cited publications, conferences, technology standards, and professional and educational activities. IEEE is the trusted —voice for engineering, computing and technology information around the globe.

#### **Student Benefits:**

- (i). Gain expertise and open career doors
- (ii). Stay current and get ahead
- (iii). Build a professional network
- (iv). Keeping technically current
- (v). Career resources and recognition
- (vi). Discounts on online products.

### **3.7.3 Does the College have MoUs nationally / internationally and with institutions of national importance/other universities/ industries/corporate houses etc.? If yes, explain how the MoUs have contributed in enhancing the quality and output of teaching-learning, research and development activities of the College?**

Yes, the college has MoUs with nationally / internationally reputed corporate houses and institutes as given below.

- A). ORACLE
- B). Tech Mahindra
- C). Dark Horse IT Consulting Limited
- D). Zenopsys Technologies Ltd

- E). Data 64 Cyber Solutions Ltd
- F). Sitra Infotech Private Limited
- G). Navanidhi Electronics Private Limited
- H). Powertronics Limited
- I). National Board of Accreditation (NBA) nodal centre of Osmania University (OU)

The impact of the above listed MOUs on enhancing the quality of “teaching-learning”, research and development activities is described below:

- “Train the Trainer” workshop was conducted in our college by NBA nodal centre of OU. In this workshop, fifty faculty were trained on “Teaching and Learning Process” with emphasis on “Effective implementation of Outcomes Based Education”.
- Industry experts are included in the “Board of Studies” (BoS) of respective departments to enhance “Teaching and Learning Process”. For example, Senior Project Leader from ORACLE is in the BoS of CSE department in enhancing the quality of Curriculum.
- Students worked in Real Time Projects in Tech Mahindra, Dark Horse, Zenopsys Technologies Ltd etc. This interaction of students with industry experts made them exposed to various real time challenges encountered during project execution and mechanism adopted towards their resolution.

#### **3.7.4 Have the College industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?**

The College industry interactions have provided a valuable training opportunity to faculty and students with real time examples of problem solving.

**Annexure: Annual Outlay for R&D**

Sl. No.	ITEM	Budgeted in 2016-17 (in Rs.)	Actual Expenses in 2016-17 (in Rs.)	Budgeted in 2015-16 (in Rs.)	Actual Expenses in 2015-16 (in Rs.)	Budgeted in 2014-15 (in Rs.)	Actual Expenses in 2014-15 (in Rs.)	Budgeted in 2013-14 (in Rs.)	Actual Expenses in 2013-14 (in Rs.)	Budgeted in 2012-13 (in Rs.)	Actual Expenses in 2012-13 (in Rs.)
1	Library(printed and e Journals)	10,50,000	10,50,998	10,50,000	10,62,668	8,00,000	7,05,903	10,00,000	5,52,895	5,00,000	4,34,010
2	R & D Infrastructure	50,000	3,00,000	25,000	20,000	1,00,000	55,610	5,00,000	2,73,989	11,00,000	10,00,000
3	Procurement of equipment & Consumables for R & D	1,50,000	2,00,806	1,00,000	75,000	1,46,352	1,42,073	1,50,000	1,59,826	2,40,000	6,53,417
4	Publications of Research articles	1,00,000	78,300	75,500	75,500	75,000	72,000	50,000	35,800	50,000	44,700
5	Faculty and JRF salary	29,24,620	29,24,620	41,56,620	41,56,620	36,33,648	36,33,648	22,16,886	22,16,886	28,45,848	28,45,848
6	Seminars and guest lectures	5,00,000	2,07,902	5,00,000	8,12,299	4,75,000	3,10,785	2,50,000	2,88,884	3,30,000	3,33,900
7	FDP workshop fee	3,00,000	1,97,374	3,00,000	1,46,675	2,50,000	1,44,700	3,35,000	3,10,653	2,25,000	1,40,482
	<b>TOTAL</b>	51,00,000	49,60,000	62,00,000	63,48,262	55,00,000	50,64,719	45,00,000	38,38,933	53,00,000	45,52,357

**Annexure-S& H -A**  
**3.4 Research Publications and Awards**

**Department of Science and Humanities:**

**INTERNATIONAL AND NATIONAL CONFERENCES**

**2016-17 (June - May)**

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
1.	K.Venkateshwarlu and G. Swapna	International Conference On Trends in Information, Management, Engineering and Sciences (ICTIMES)	International Conference On Trends in Information, Management, Engineering and Sciences (ICTIMES)	International Conference On Trends in Information, Management, Engineering and Sciences (ICTIMES)	November 25 – 26 , 2016	1.035
2.	Dr.A. Padma, Associate professor	““ Common Fixed Point Theorem of Compatible Mappings of Type (K) in Fuzzy Metric spaces””	International Conference on Mathematical Sciences & Engineering applications	Baba Institute of Technology & Sciences, VIZAG	23- 25 December 2016	
3.	N. Subhadra	Study of peristaltic motion of a micropolar fluid with nanoparticles in an inclined tube with permeable walls	International Conference on Applications of Fluid Dynamics, Department of Applied Mathematics, IIT (ISM) Dhanbad	International	19 <sup>th</sup> -21 <sup>st</sup> December 2016	

4.	N. Subhadra	Peristaltic Transport of a nanofluid in an inclined Tube with Permeable Walls	International conference on Advances in Scientific Computing, The Department of Mathematics, IIT Madras, Chennai.	International	28 <sup>th</sup> -30 <sup>th</sup> November 2016	
5.	K.Shashikala	A facile synthesis of 2-Aryl-2,3-dihydroquinazolin-4(1H)-ones and 5-Aryl-5,6-dihydro-1-methyl-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-7(4H)-ones	Emerging trends in chemical, pharmaceutical, environmental sciences & technologies- ICETCPES T-2017	Two day international conference	24 <sup>th</sup> & 25 <sup>th</sup> January 2017	
6.	K.Shashikala	Department of Chemistry, JNTU Hyderabad	International	Synthesis and antibacterial activity of New Quinoxaline Benzohydrazides	July 11 <sup>th</sup> to 13 <sup>th</sup> 2016	
7.	G. Karuna Kumari	The Cambridge English South Asia Annual Co-ordinators' Conference, Venue: Hotel Golconda Masab Tank, Hyderabad	International	The battle of the chalk and the mouse: Creative ways to use technology in your English Classroom.	16 <sup>th</sup> July 2016	
8.	Dr. G. Neeraja Rani	Conference on Emerging Materials (CEMAT-2016) At Indian Institute of Science, Bangalore	International	PbTiO <sub>3</sub> based Glass Ceramics for High Energy Density Capacitors	18 <sup>th</sup> -19 <sup>th</sup> July 2016	



9.	Dr. Shankar Jakkula	Conference on Emerging Materials (CEMAT-2016) At Indian Institute of Science, Bangalore	International	PbTiO <sub>3</sub> based Glass Ceramics for High Energy Density Capacitors	18 <sup>th</sup> -19 <sup>th</sup> July 2016	
10.	Dr. G. Neeraja Rani	Conference on Advanced in Humanities, Science and Management (ICAHSM) under the cloud of (ICTIMES), Malla Reddy College of Engineering, Kompally, Secunderabad.	International	Enhanced Electrical properties of Sr(Bi <sub>3.9</sub> La <sub>0.1</sub> )(Ti <sub>3.975</sub> Zr <sub>0.025</sub> )O <sub>15</sub> ceramic with the substitution of Nd.	25 <sup>th</sup> -26 <sup>th</sup> November 2016	
11.	Dr. Shankar Jakkula	Conference on Advanced in Humanities, Science and Management (ICAHSM) under the cloud of (ICTIMES), Malla Reddy College of Engineering, Kompally, Secunderabad.	International	Enhanced Electrical properties of Sr(Bi <sub>3.9</sub> La <sub>0.1</sub> )(Ti <sub>3.975</sub> Zr <sub>0.025</sub> )O <sub>15</sub> ceramic with the substitution of Nd.	25 <sup>th</sup> -26 <sup>th</sup> November 2016	
12.	Dr.B.Mamatha	Conference on Advanced in Humanities, Science and Management (ICAHSM) under the cloud of (ICTIMES), Malla Reddy College of Engineering, Kompally, Secunderabad.	International	Enhanced Electrical properties of Sr(Bi <sub>3.9</sub> La <sub>0.1</sub> )(Ti <sub>3.975</sub> Zr <sub>0.025</sub> )O <sub>15</sub> ceramic with the substitution of Nd.	25 <sup>th</sup> -26 <sup>th</sup> November 2016	
13.	G.Mahesh	International Conference on Applied Nonlinear Dynamics (NCAND 2016)	International	Numerical Treatment of Two-Parameter Problem.	21 <sup>st</sup> - 22 <sup>nd</sup> December 2016	

14.	Dr. G. Neeraja Rani	61th DAE-Solid State physics Symposium held at KIIT University, Bhubaneswar.	International	Synthesis and characterization of PbTiO <sub>3</sub> based glass ceramics	26 <sup>th</sup> -30 <sup>th</sup> December 2016	
15.	Dr. Shankar Jakkula	61th DAE-Solid State physics Symposium held at KIIT University, Bhubaneswar.	International	Synthesis and characterization of PbTiO <sub>3</sub> based glass ceramics	26 <sup>th</sup> -30 <sup>th</sup> December 2016	
16.	Dr.A.Padma	International Conference on Mathematical Sciences & Engineering Applications	International	Common Fixed Point theorem of compatible mappings of type (K) in fuzzy metric spaces.	23 <sup>th</sup> -25 <sup>th</sup> December 2016	
17.	Dr.A.S.Madhusudhan Rao	International Conference on Advanced Material Technologies (ICAMT-2016)organized by Dadi Institute of Engineering & Technology, Visakhapatnam.	International	Energy Dependent $\gamma$ - Ray Attenuation Studies on Cs Halides & Determination of Photon Interaction Parameters	27 <sup>th</sup> -28 <sup>th</sup> December 2016	
18.	Dr.Allu Uma Devi.	Relating the Writings of Shakespeare in an ELT class to the Undergraduates of Engineering and Technology	National Conference	UGC sponsored Two day National Conference  UGC	13-14th January 2017	ISBN : 978-81-922741-6-4

		2.Films and documentaries effective tools for testing EST Curriculum at National Conference on paradigm shift: Empowerment 2.	National Conference on paradigm shift: Empowerment .	sponsored Two day National Conference		ISBN;648-45-73321-7-3
19.	G. Latha Suhasini Asst. Prof.	Contextualizing Shakespeare to India: Relating the Writings of Shakespeare in an ELT Class to the Undergraduates of Engineering and Technology	Revisiting Shakespeare 400 Years After	National Conference	13-14 January, 2017	ISBN: 978-81-922741-6-4
20.	K.Shashikala	A new facile and efficient synthesis of 2-methyl quinoxaline-3yl 5 aryl-2H-tetrazole 2-carboxylate derivatives	“Role of chemistry in current day industry”	One day national conference	26 th November 2016, organised by Department of Inorganic and analytical Chemistry, Andhra University	
21.	Dr.B.Nagamani	Vasavi College of Engineering ,Hyderabad	National	Pedagogical Model of Skill-Based and Content Based Language lesson and got best paper presenter award	30 Jun-02 Jul2016	

22.	K.Madhumathi	Vasavi College of Engineering ,Hyderabad	National	Content-Based Instruction and Learning : Redefining the English Language Curriculum	30 Jun-02 Jul2016	
23.	P.Sreedhar	Nizam College	National	Recent Application in Medicinal and material devices (NSRAM MD-2016)	2nd July 2016	
24.	P.Mercy Kavitha	National Conference on Revisiting Shakespeare 400 year after Organized by K.G Joshi college of Arts and N.G.Bedekar College of Commerce,Thane	National	Contentualizing Shakespeare in India	13th - 14th January 2017	

**2015-16 (June - May)**

<b>No</b>	<b>Name of the Faculty Designation</b>	<b>Title of the Research Publication / Work</b>	<b>International / National Journal / Conference</b>	<b>Name of the Journal / Conference</b>	<b>Date of Publication / Presentation</b>	<b>Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)</b>
1.	Dr. P. Kalyani	Numerical Solution of fourth Order Boundary Value Problem Using sixth Degree Spline Functions	International Conference	Journal of physics, IOP Science. Conference Proceedings	Dec 2014	1.933
2.	K.Venkateshwarlu, V.K.Katiyar and A.K.Nayak,	Numerical investigation of mixed convection in a ventilated enclosure with differentially heated side walls	International Conference on Mathematical Modeling and Computer Simulation (ICMMCS)	International Conference on Mathematical Modeling and Computer Simulation (ICMMCS)	December 8–10, 2014.	
3.	B. Nagamani	Garden City College, Bengaluru	International	An Eco-critical perspective of Jhumpa Lahiri's the lowland	6-7, Feb-2015	
4.	B.Nagamani	VIT University, Chennai campus	International	English language teaching through the teachings of Swamy Vivekananda	24-25, Apr-2015	

2014-15 (June - May)

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
	Dr. P. Kalyani	Numerical Solution of fourth Order Boundary Value Problem Using sixth Degree Spline Functions	International Conference	Journal of physics, IOP Science. Conference Proceedings	Dec 2014	1.933
2.	K.Venkateshwarlu, V.K.Katiyar and A.K.Nayak,	Numerical investigation of mixed convection in a ventilated enclosure with differentially heated side walls	International Conference on Mathematical Modeling and Computer Simulation (ICMMCS)	International Conference on Mathematical Modeling and Computer Simulation (ICMMCS)	December 8–10, 2014.	
3.	B. Nagamani	Garden City College, Bengaluru	International	An Eco-critical perspective of Jhumpa Lahiri's the lowland	6-7, Feb-2015	
4.	B.Nagamani	VIT University, Chennai campus	International	English language teaching through the teachings of Swamy vivekananda	24-25, Apr-2015	
5.	Dr. Madhumathi. K	Activity Based learning	National conference on Challenges in teaching English as a	on Challenges in teaching English as a Second	25 <sup>th</sup> , 26 <sup>th</sup> July 2014.	

			Second Language to Vernacular Students.	Language		
6.	K.Shashikala	Microwave assisted synthesis of 4-(((4-(6-(2-(2-,4-difluoro phenyl)-1,1-difluoro-2-hydroxy-3-(1H-tetrazol-1-yl)propyl)pyridine-3yl) ethynyl) phenyl) thio)methyl benzo nitrile.	Recent trends in science & technology Abstract no. 105	Two day national conference	25 <sup>th</sup> ,26 <sup>th</sup> February-2015 organized by JNTUH College of Engineering, Nac hupally, Karimnagar	
7.	K.Shashikala	Anti-bacterial activity of textile fabrics treated with Bacterial pigment.  Article No. 211	Sustainability through Chemical & Biological Sciences NCSCB	DST-Sponsored National Conference	19 <sup>th</sup> & 20 <sup>th</sup> March 2015 organized by Mahatma Gandhi Institute of Technology, HYD.	
8.	K.Shashikala	An efficient synthesis of 2-cyclopropyl-1-3-(5-Aryl-1H-pyrazol-3-yl)-1,8-Naphthyridine & derivatives Abstract No.C-03 (ORAL)	Recent advances in Chemical & Pharmaceutical sciences (NACRA CAPS)	National conference	10 <sup>th</sup> &11 <sup>th</sup> April 2015 organized by JNTUH College of Engineering-Nachupally, Karimnagar	
9.	B. Nagamani	CKM Arts & Science College, Besaipet,	National	Challenges in Teaching	25-26, July-2014	

		Warangal		English as a Language to Vernacular students		
10.	P. Mercy Kavitha	Dravidian University	National	The Historiography of Feminist writers of English in India	1-2, Apr-2015	

**2013-14 (June - May)**

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
1.	K.Shashikala	Synthesis of N'-(4-bromobenzylidene-3-hydroxyquinoxaline-2-carbohydrazide and N'-(4-ethoxy-3-methoxybenzylidene)-3-hydroxyquinoxaline-2-carbohydrazide  Abstract Number - P87	Nano, Bio & Material Sciences (ICONBMS - 2014)	International Conference	January 8 <sup>th</sup> -10 <sup>th</sup> 2014 Organized by Dept. of Physics, Nizam College, Osmania University, Hyd	
2.	Dr G.V.Madhuri Associate Professor	High sensitive and reproducible method of carbidopa and levodopa related substance in film-	International Conference	International Conference on New dimensio	June 23 <sup>rd</sup> to 25 <sup>th</sup> , 2014	



		coated tablets by using high performance liquid chromatography		ns in Chemistry and Chemical Technologies- Applications in pharma industry		
3.	B. Nagamani	Post Colonial Voices in South Asian Literature and Cinema, Gaeden City College, Bangalore	International	Role of Nature in Anita Nair's The Better Man	7-8, Feb-2014	
4.	Dr.Allu Uma Devi	3.News Papers tools in ELT Labs	National	UGC sponsored Two day National Conference	1&2Feb 2013	ISBN;624-91-42551-2-9
5.	Dr. Madhumathi.K	Colloquium on Testing models for proper Assessment of English	National conference	SAP Dept of English Osmania University Hyd.	1 <sup>st</sup> feb, 2014.	
6.	K.Shashikala	Title: An efficient synthesis of 7-Arylpyrazolo[1,5-a]pyrimidine-3-carbonitrile  Abstract Number – P59	Frontiers Of Chemical Research - (NCFRCR-2013)	National Conference	Oct. 25 <sup>th</sup> -26 <sup>th</sup> , 2013 Organized By Dept. Of Chemistry, JNTUH-CEH.	

**INTERNATIONAL AND NATIONAL JOURNAL PUBLICATIONS  
2016-17 (June - May)**

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
1.	N. Subhadra, Asst. Professor	Thermal Effects of Two Immiscible Fluids in a Circular Tube with Nano Particles	International Journal	Journal of Nanofluids	2017	6(1), 109-113 Feb Impact Factor: 0.9
2.	P. Sreedhar, Asst. Professor	Synthesis and Antibacterial Activity of N-substituted-1-benzyl-1H-1,2,3-triazole-carbohydrazide derivatives	International	Der Pharma Chemica	July, 2016	ISSN 0975-413X  CODEN (USA): PCHHA X
3.	P. Sreedhar, Asst. Professor	Synthesis, Characterization and Antibacterial Activity of Novel Schiff Bases Bearing Thiazole Ring	International	Synthesis, Characterization and Antibacterial Activity of Novel Schiff Bases Bearing Thiazole Ring	June, 2016	ISSN: 2278-1862
4.	Dr. P. Kalyani	Solutions of Seventh Order Boundary Value Problems using Ninth	International Journal	Journal of Applied Mathematics and Physics	2016, 4,	Peer reviewed with ISSN NO.

		Degree Spline Functions and Comparison with Eighth Degree Spline Solutions				
5.	Dr. P. Kalyani	Numerical Solution of Convection Diffusion problem using Non-Standard Finite Difference Method and Comparison with Standard Finite Difference Methods,	International Journal	Journal of Mathematics	May. - Jun. 2016	Peer reviewed with ISSN NO
6.	Dr. P. Kalyani	Application of Non Standard Finite Difference Method on Logistic Differential Equation and Comparison with Standard methods	International Journal	Journal of Mathematics	May. - Jun. 2016	Peer reviewed with ISSN NO
7.	Dr R Sanjeev	Non-Linear Taft Relationship applied to surface tensions of aliphatic acids: Inter-molecular hydrogen bonding versus intra-molecular hydrogen bonding	International Netherlands	Journal of molecular liquids (Netherlands)	Volume 224, Part A, December 2016, Pages 43–46	2.74 (Impact Factor)

8.	Dr R Sanjeev	Experimental and Quantum Mechanical Study of Nucleophilic Substitution Reactions of <i>meta</i> - and <i>para</i> -Substituted Benzyl Bromides with Benzylamine in Methanol: Synergy Between Experiment and Theory	International Australia	Australain Journal of Chemistry (Australia)	<b>Volume 70 Number 1 2017</b>	1.54 (Impact Factor)
9.	Dr R Sanjeev	Filter Paper Salt Bridge in Potentiometric Titrations: An Undergraduate Laboratory Chemical Education Article	International USA	World Journal of Chemical Education	Vol. 4, No. 6, 2016, pp 117-123.	Not Available
10.	Dr. Madhumathi.k Assoc.Prof.	How to Improve Quality in Education Using EAP Approach of - COBI	International journal	IRA	ISSN 2455–2526; Vol.04, Issue 01 (2016)	ISSN 2455–2526
11.	Dr.A. Padma, Associate professor	“ Common Random Fixed Point Theorems in Probabilistic Metric spaces”	International Journal of Engineering Science and Computing	IJESC	<b>2016</b>	<b>3.508</b>
12.	Dr. Mohd. Ali	International Journal of Science, Environment &	International	Ultrasonic Velocity & Absorption in Medicinal Oils	5(3), 1429-1437 2016 ISSN:	

		Technology		at Low Frequencies	2278-3687(0) 2277-663X(P)	
13.	Dr. B. Nagamani	Chapter in book “The spirit of age and ideas- in the novels of PCK Prem”	International	Family relationships in a Handsome Man	pp: 167-171 ISBN: 978-93-5207-414-3	
14.	Dr. B. Nagamani	The Journal of English Language Teaching	International	PADLET-A Collaborative Language Teaching and Learning Tool	58(5), 22-25 2016 ISSN: 0973-5208	
15.	Dr. B. Nagamani	Chapter in Book “ Critical Readings on the Fictional World of Manju Kapur”	National	Violence in Manju Kapur’s A Married Woman	pp: 93-97 ISBN: 978-93-82630-88-3	
16.	Dr. B. Nagamani	Chapter in Book “ Critical Readings on the Fictional World of Manju Kapur”	National	Manju Kapur’s Astha and Jhumpa Lahari’s Gauri – A Comparative Study	pp:155-160 ISBN: 978-93-82630-88-3	

**2015-16 (June - May)**

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
1.	N. Subhadra, Asst. Professor	N. Subhadra, K. Maruthi Prasad, M.A.S. Srinivas Study of peristaltic transport of nano particles of	International	Procedia Engineering of ELSEVIER	Dec 2015	Impact Factor: 0.56 vol-127, 694-702

		micropolar fluid with heat and mass transfer effect in an inclined tube				
2.	N. Subhadra, Asst. Professor	N. Subhadra, K. Maruthi Prasad, M.A.S. Srinivas Peristaltic Transport of Nano Fluid in an Inclined Tube	International	American Journal of Computational mathematics	Nov 2015	Vol-5(4), 117-128 Impact Factor: 0.68
3.	P.Sreedhar, Asst. Professor	Synthesis, Characterization and Antibacterial Activity of Novel Schiff Bases	International	Asian Journal of Chemistry	Feb, 2016	ISSN: 0970-7077
4.	A.K. Nayak, S. Malik, K. Venkateshwarlu, and P.K. Jena	Magneto-convection and its effect on partially active thermal zones in a porous square domain	International Journal of Heat and Mass Transfer	International Journal of Heat and Mass Transfer	18 December 2015	2.857
5.	Dr. P. Kalyani	Eighth Degree Spline Solution for Seventh Order Boundary Value Problems	International Journal	Journal of Multidisciplinary Engineering Science and Technology	May 2015	Peer reviewed with ISSN NO
6.	SK. Mahammad Ali Assoc Prof	Ultrasonic Velocity and Absorption in Medicinal Oils at low Frequencies	International Journal	International Journal of Science, Environment and Technology	June 2016	ISSN No. 2278-3687 (0) 2277-663X(P)
7.	Dr. Madhumathi.k	Teaching Second language for Rural students	International journal	JARH	Jan 2015.	ISBN 978-81-930334-1-6

8.	Dr. Madhumathi.k	Time Management For Engineering students	International journal	Journal of English Language & Literature	Nov. 2015	ISSN & Impact factor 1.5
9.	Dr. B. Nagamani	Research Journal of English Language and Language	International	Think pair and Collaborative Strategy	Vol.4, Issue 2, pp-96-99 2016	
10.	Dr. B. Nagamani	Journal of teaching and research in English literature	International	An Eco-critical perspective of jhumpa lahiri's the lowland	Vol-7, (1), 2015 ISSN No.0975-8828	
11.	Dr. V. S. Triveni	IJMIE	International	Optimum Application of resources in Hospitals through Multi criteria decision making model	Vol-5(6), 278- 292, 2015 ISSN-2249-0558	
12.	Dr. V. S. Triveni	IJMIE	International	Bed allocation in Hospitals -A case study	Vol-4(2), 49-58, 2015	
13.	Dr. B. Prabhakar Reddy	International Journal of Advances in Applied Mathematics & Medicine	International Journal	MHD flow of a vertical moving porous plate with viscous dissipation by considering double differed	Vol-2(4), 73-83, 2015	

				convection in the presence of chemical reaction		
11.	K.Shashikala (Asst.Professor)	Synthesis and antibacterial activity of novel 5,6,7,8-tetrahydroimidazo[1,2-a]pyrimidine-2-carbohydrazide derivatives	International Journal	Chemistry Central Journal	JULY 2015	9:57 DOI 10.1186/s13065-015-0121-4
12.	Dr G.V.Madhuri Associate Professor	Stability indicating method of carbidopa and levodopa assay in carbidopa, levodopa and entacapone film coated tablets by RP-HPLC, International Journal of pharmaceutical Sciences and research	International	International Journal of pharmaceutical Sciences and research	2014	5(12), P.5530  Impact factor:1.11
13.	K. Venkateshwarlu, A. K. Nayak, Bhupinder Singh, V. K. Katiyar, and Sumit Malik	Heat Transfer Effect in an Air Cooled Ventilated Enclosure	Journal of Thermophysics and Heat Transfer	Journal of Thermophysics and Heat Transfer	April 23, 2015	1.035
14.	Dr. P. Kalyani	Numerical solution of singular perturbation problems via deviating argument through the numerical methods		Research Journal of Mathematical and statistical Sciences	September (2014)	Peer reviewed with ISSN NO



15.	SK. Mahammad Ali Assoc Prof	Attenuation of Ultrasound in commonly used Vegetable Oils at Low Frequencies	International Journal	International Journal of Physical, Chemical & Mathematical Sciences	July- Dec 2014	ISSN No. 2278 – 683X
16.	SK. Mahammad Ali Assoc Prof	Velocity of Ultrasound in Commonly used Vegetable Oils at low Frequencies	International Journal	International Journal of Science, Environment and Technology	October 2014	ISSN No. 2278-3687 (0)
17.	SK. Mahammad Ali Assoc Prof	Acoustics Impedance Studies in Some Commonly Used Edible Oils	International Journal	IJISSET-International Journal of Innovative Science, Engineering and Technology	November 2014	ISSN No. 2348-7968
18.	Dr R Sanjeev	Nucleophilic Substitution Reactions of Meta- and Para-Substituted Benzylamines with Benzyl Bromide in Methanol Medium	International USA	International Journal of Chemical Kinetics	Volume 47, Issue 1 January 2015 Pages 36–41	1.74 (Impact Factor)

19.	Dr R Sanjeev	Hammett and Taft Equations are Tools for Identifying the Rate-Determining Step of a Multi-Step Reaction: A One Hour Classroom Lecture to Graduate Students	International USA	The Chemical Educator	Volume 19 (2014) pp 327-329	Not Available
20.	<b>Dr.A. Padma, Associate professor</b>	Fixed Point Theorems in Fuzzy metric spaces with Integral type inequality.”,	<b>International journal of mathematical archive</b>	<b>IJMA</b>	2014	4.09
21.	<b>G. Latha Suhasini Asst. Prof.</b>	She- A Beautiful Poem- The Image of the Indian Woman	<b>International Journal</b>	<b>International Journal of the Frontiers of English Literature and the Patterns of ELT</b>	2014	ISSN: 2320-2505
22.	B. Nagamani	Culture and Language learning through short stories	International Journal	The journal of English language Teaching	Vol- 57/1, 15-20, 2015 ISSN No.0973-5208	
23.	K. Madhumathi	Time management for Engineering Students	International Journal	The International Research Specialist	ISSN 2350-1499, 2015	
24.	Dr. G. Neeraja Rani	Low temperature synthesis of MgAl <sub>2</sub> O <sub>4</sub> spinel through Sol-Gel technique and its characterization	International Journal	Canadian Journal of Physics	Vol -. 93, 561-564, 2014	

25.	B. Nagamani	Role of Nature in Anita Nair's The Better Man	International	Ruminations	Vol-4(2), 100-109, 2014 ISSN No. 2229-6751	
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**2014-15 (June - May)**

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
1.	K.Sashikala Assistant Professor	Synthesis and antibacterial activity of novel Imidazo[1,2-a]pyrimidin-2yl)methylene) benzohydrazides	National journal	Indian Journal of Heterocyclic chemistry	NOV. 2015	VOL.25, PP 119-122
2.	B. Nagamani	Role of Culture in Second Language Acquisition	National(chapter in book titled Teaching English To Rural Students OF Higher Education IN India IN THE Context OF Globalization-Issues, Concerns and Challenges	Teaching English To Rural Students OF Higher Education IN India IN THE Context OF Globalization-Issues, Concerns and Challenges- <i>Role of culture in Second Language Acquisition'</i>	158-165, 2015, ISBN No. 978-81-930334-1-8	
7.	K. Shashikala (Asst. Professor)	Synthesis of 2-cyclopropy 1-3-(5-aryl-1H-pyrazol-3-yl)-1,8-naphthyridine	International Journal	Organic and Medicinal chemistry letters	December 2014	(2014) 4: 16. doi:10.1186/s13588-014-0016-8

8.	Dr G.V.Madhuri Associate Professor	Designing transferable skills inventory for assessing students using Group discussion: A case study of first year Electrical and Electronics Engineering students	International	Scientific Journal of Education Technology	2013	3( 9), p.155 Impact factor:1.124
9.	Dr.J.Shankar	“Effect of MgO addition on the properties of PbO–TiO <sub>2</sub> –B <sub>2</sub> O <sub>3</sub> glass and glass–ceramics	International	Ceramics International	2013	volume 39, pp15 - 18, impact factor:2.578
10.	Dr. P. Kalyani	A Conventional Approach for the Solution of the Fifth Order Boundary Value Problems Using Sixth Degree Spline Functions		Applied Mathematics	2013, 4	0.58
11.	Dr. P. Kalyani	Solution of Boundary Value Problems by Approaching Spline Techniques		International Journal of Engineering Mathematics	2013, 2	Peer reviewed with ISSN NO
12.	Dr. P. Kalyani	Numerical solution of heat equation through double interpolation		Journal of Mathematics	May - June. 2013	Peer reviewed with ISSN NO
13.	Dr. P. Kalyani	Cubic spline interpolation with new conditions on $M_0$ and $M_n$		International Journal of Engineering Research and Technology	, December-2013	Peer reviewed with ISSN NO
14.	Dr R Sanjeev	Nonlinear Taft Polar Free Energy Relationship: Reactions of N-Substituted	International USA	Interanatioanal Journal of Chemical Kinetics	Volume 45, Issue 12	1.74 (Impact Factor)

		Benzyl Amines with Benzyl Bromide in Methanol			December 2013 Pages 803–810	
15.	Dr R Sanjeev	The KaleidaGraph and the Kontron: “Hands On” Tools in a Physical Chemistry Laboratory for Determination of $pK_a$ of Weak Acids and Weak Bases	International USA	The Advances in Analytical Chemistry	2013; 3(4): 54-56	Not available
16.	Dr R Sanjeev	Silver Bullet for the Conceptual Comprehension of the Terms Negative Order and Fractional Order in the Field of Chemical Kinetics	International USA	World Journal of Chemical Education	2014 2 (1), pp 4-7.	Not available
17.	Dr R Sanjeev	Significance of Nucleophilic Solvation of Ammonium Bond in Protonated Amines: A Thought Provoking Physical-Organic Chemistry Lecture to Graduate Students	International USA	World Journal of Chemical Education	2013 1 (1), pp 1-5.	Not available
18.	Dr. Madhumathi.K	Bureau of Education & Cultural affairs U.S Department of state	Online-International	Webinar Webinar Course on professional development	Sep 11 to Nov 20 <sup>th</sup> 2013.	

19.	Dr. Madhumathi.K	“Is modern technology distracting the present day youth	Online-International journal	IJBAR	Jan-Feb 2013	
20.	<b>Dr.A. Padma, Associate professor</b>	“ Implicit Relations and Altering Distance Function in Fuzzy metric spaces”	<b>International journal of mathematical and computer applications research</b>	<b>Trans Stellar</b>	<b>2013</b>	<b>4.87</b>
21.	<b>Dr.A. Padma, Associate professor</b>	““Common Fixed Point Theorem for Compatible Maps using Implicit Relations in Fuzzy Metric Spaces	<b>International journal of mathematical and computer applications research s</b>	<b>Trans Stellar</b>	2013	4.87

**2013-14 (June - May)**

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
1.	K. Shashikala (Asst. Professor)	Synthesis of 2-cyclopropy 1-3-(5-aryl-1H-pyrazol-3-yl)-1,8-naphthyridine	International Journal	Organic and Medicinal chemistry letters	December 2014	(2014) 4: 16. doi:10.1186/s13588-014-0016-8
2.	Dr G.V.Madhuri Associate Professor	Designing transferable skills inventory for assessing students using Group discussion: A case study of first year Electrical and Electronics Engineering students	International	Scientific Journal of Education Technology	2013	3( 9), p.155 Impact factor:1.124

3.	Dr.J.Shankar	“Effect of MgO addition on the properties of PbO–TiO <sub>2</sub> –B <sub>2</sub> O <sub>3</sub> glass and glass–ceramics	International	Ceramics International	2013	volume 39, pp15 -18, impact factor:2.578
4.	Dr. P. Kalyani	A Conventional Approach for the Solution of the Fifth Order Boundary Value Problems Using Sixth Degree Spline Functions		Applied Mathematics	2013, 4	0.58
5.	Dr. P. Kalyani	Solution of Boundary Value Problems by Approaching Spline Techniques		International Journal of Engineering Mathematics	2013, 2	Peer reviewed with ISSN NO
6.	Dr. P. Kalyani	Numerical solution of heat equation through double interpolation		Journal of Mathematics	May - June. 2013	Peer reviewed with ISSN NO
7.	Dr. P. Kalyani	Cubic spline interpolation with new conditions on $M_0$ and $M_n$		International Journal of Engineering Research and Technology	, December-2013	Peer reviewed with ISSN NO
8.	Dr R Sanjeev	Nonlinear Taft Polar Free Energy Relationship: Reactions of N-Substituted Benzyl Amines with Benzyl Bromide in Methanol	International USA	International Journal of Chemical Kinetics	Volume 45, Issue 12 December 2013 Pages 803–810	1.74 (Impact Factor)

9.	Dr R Sanjeev	The KaleidaGraph and the Kontron: "Hands On" Tools in a Physical Chemistry Laboratory for Determination of $pK_a$ of Weak Acids and Weak Bases	International USA	The Advances in Analytical Chemistry	2013; 3(4): 54-56	Not available
10.	Dr R Sanjeev	Silver Bullet for the Conceptual Comprehension of the Terms Negative Order and Fractional Order in the Field of Chemical Kinetics	International USA	World Journal of Chemical Education	2014 2 (1), pp 4-7.	Not available
11.	Dr R Sanjeev	Significance of Nucleophilic Solvation of Ammonium Bond in Protonated Amines: A Thought Provoking Physical-Organic Chemistry Lecture to Graduate Students	International USA	World Journal of Chemical Education	2013 1 (1), pp 1-5.	Not available
12.	Dr. Madhumathi.K	Bureau of Education & Cultural affairs U.S Department of state	Online-International	Webinar Webinar Course on professional development	Sep 11 to Nov 20 <sup>th</sup> 2013.	
13.	Dr. Madhumathi.K	"Is modern technology distracting the present day youth	Online-International journal	IJBAR	Jan-Feb 2013	



14.	Dr.A. Padma, Associate professor	“ Implicit Relations and Altering Distance Function in Fuzzy metric spaces”	International journal of mathematical and computer applications research	Trans Stellar	2013	4.87
15.	Dr.A. Padma, Associate professor	““Common Fixed Point Theorem for Compatible Maps using Implicit Relations in Fuzzy Metric Spaces	International journal of mathematical and computer applications research	Trans Stellar	2013	4.87
16.	SK. Mahammad Ali Assoc Prof	Elastic Properties of Commonly used Vegetable Oils – An Ultrasonic study	National Journal	ISST Journal of Applied Physics	January -June 2014	ISSN No. 0976-903X
17.	Dr.Sk.Nuslin Associate Professor	Soret and radiation effects on unsteady MHD free convective fluid flow embedded in a porous medium with heat source	National	<i>J.of energy heat and mass transform, IIT Madras.</i>	2013	
18.	Dr. Madhumathi.K	Role of English teacher in reducing the communication apprehension among the students	National journal	JNTUH journal of English studies	Feb 2013	JNTUH Vol V NO 11 ISSN 2231-0266

## **CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**

### **4.1 Physical Facilities**

#### **4.1.1 How does the College plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?**

The college develops the infrastructure as per the norms of AICTE, affiliating University and the State Government. The authorities from the regulatory bodies regularly visit the college. This enables the institute to ensure the infrastructure adequacy and its optimum use for academic growth.

The institution has a Master Plan which is improved from time to time to keep pace with its academic growth. New infrastructural developments are done when new programs are started and the facilities of the existing programs have to be augmented. The infrastructure facility is optimally used for the needs of the students and staff on all working days of the week. Besides, certain facilities such as seminar halls are utilized for the conduct of workshops, faculty development programs, guest lectures, examinations, etc. and computer labs are used for conducting TCS online examinations on weekends.

#### **4.1.2 Does the College have a policy for creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.**

The college has established policies and procedures to create and continuously enhance the infrastructure in the form of human resources (Faculty, Technical, Administrative staff), laboratory equipment, built-up space, learning resources (print and electronics aids) to promote good teaching-learning environment. Some of the recent initiatives taken in line with our policy

- Construction of conference halls, meeting rooms, faculty cabins, digital Library for effective teaching and learning.
- To use ICT for academic purposes including teaching and learning.
- Providing access to internet to students and faculty members.
- To develop class rooms, tutorial halls, departmental and central Library and content to meet the changing requirements of teaching and learning.

- Developing labs as per changing curriculum requirements as well as those beyond the curriculum.
- Promote use of learning aids like Charts, Write Ups, Multimedia, Models, and Virtual labs for enhancing teaching and learning.
- To provide amenities like Canteen, Transport, Play grounds etc.

**4.1.3 Does the College provide all departments with facilities like office room, common room, separate rest rooms for women students and staff?**

**YES**

**4.1.4 How does the College ensure that the infrastructure facilities meet the requirements of students/staff with disabilities?**

The college is sensitive to the special requirements of the physically disabled students and has made provisions to conduct the classes on the ground floor, but no need for this has arisen so far. For students with special needs, the faculty extends their utmost support and facilitates the student's learning. Ramps with holding side bars, are provided for easy movement of wheel chairs.

**4.1.5 How does the College cater to the residential requirements of students? Mention**

- **Capacity of the hostels and occupancy (to be given separately for men and women)**
- **Recreational facilities in hostel/s like gymnasium, yoga center, etc.**
- **Broadband connectivity / wi-fi facility in hostel/s.**

Not Applicable as our college is non-residential

**4.1.6 How does the College cope with the health related support services for its students, faculty and non-teaching staff on the campus and beyond?**

- The college conducts general medical check-up for the students, staff and faculty. Eye camp, dental camp and health survey etc. are organized by NSS unit.
- First aid boxes are provided in the departments, laboratories and workshops.

- Health and hygiene classes are conducted for the students, especially for the girl students by the College's Women Protection and Empowerment Cell.
- The College has a linkage with Tulasi Hospital, which is only 10 minutes' drive from the college. The services of a visiting doctor from the nearby village are made available as and when need arises.
- The students are provided with emergency medical assistance at the hospital and the community health centers nearby.
- Purified drinking water supply, fitness centre with gymnasium, emphasis on sports, games etc. ensure proper health care.
- College has an Ambulance service for emergency requirements.
- A full time Nurse is available in the campus for taking care of the first aid requirements.

Apart from the medical care, GCET is giving counselling facility also. Psychological and psychiatric counseling to the students are arranged through guest lectures and interactive sessions by professional counsellors.

#### **4.1.7 What special facilities are made available on the campus to promote interest in sports and cultural events?**

##### **Sports grounds and facilities**

Dedicated facilities are established in the college with provision for games and sports under the supervision of a qualified Physical Director. The facilities made available are given in the following table:

<b>S no</b>	<b>Sports /games</b>	<b>No. Of courts</b>	<b>Area</b>
1	Basket Ball	1	94 feet X 50 feet
2	Valley Ball	2	18 Mtrs X 9 Mtrs
3	Throu Ball	1	60 Feet X 40 Feet
4	Kho-Kho	1	29 Mtrs X 16 Mtrs
5	Cricket	1	82 Mtrs X 82 Mtrs

6	Cricket Net Practice Pitches	3	20 Feet X 40 Feet 20 Feet X 40 Feet 20 Feet X 40 Feet
7	Table Tennis	2 Tables	Indoor
8	Carroms	6 Boards	Indoor
9	Chess	15 sets	Indoor
10	Gym items	Medicine balls, Dumbles Rods & Plates, Yoga Mats, Bench Plus	Indoor

Sports committee makes arrangements for students to participate in various sports & game activities on all days. The committee also conducts various intramural competitions on special occasions like Annual day, and trains, motivates and facilitates participation of students in inter college and university tournaments.

The college has two qualified Physical Directors who act as sports instructors and manage all the sports and games activities of the college. Their particulars are given hereunder

1. Y. Amarnadh Reddy, Physical Director M.A. M.Ped
2. M.Venkateswarlu, Asst.Physical Director M.A. B.Ped

**The details of major tournaments in which our college students participated and achievements made in the last two years are given in the following tables**

**INTER COLLEGE TOURNAMENTS 2016-2017**

<b>S.NO</b>	<b>Name of the Event</b>	<b>No. of Students Participated from GCET</b>	<b>Venue</b>	<b>Credits/Prizes Won</b>
1.	Swimming	3	JNTUH team selections held at municipal swimming pool secrecandrabad	Participated
2	Badminton Boys	5	JNTUH team selections held at VNR VJIET bachupally	Participated
3	Chess	10	JNTUH team selections held at Sports complex kukatpally	Participated
4	Football	16	CMR Tournament held at cmr groups of instutions Kandlakoya	Participated
5	Tennis	2	JNTUH team selections held at VNR VJIET bachupally	Participated
6	Kabaddi	6	JNTUH team selections held at Sports complex	Participated
7	Volley Ball (Boys)	4	JNTUH team selections held at Sports complex kukatpally	<b>V.Prasad roa</b> B.tech Mech1B Played at MG.University Kottayam Kerala
8	Table Tennis	3	JNTUH team selections held at VNR VJIET bachupally	Participated
9	Foot ball(Boys)	3	JNTUH team selections held at Sports complex kukatpally	Participated
10	Wrestling	1	JNTUH team selections held at Gachubauli stadium	Participated
11	Hockey	2	JNTUH team selections held at osmainaya University	Participated
12	Basket Ball (M)	2	JNTUH team selections held at Sports complex	Participated

			kukatpally	
13	Boxing(M)	3	JNTUH team selections held at L.B Stadium	Participated
14	Cricket(M)	15	CVSR Sports BOVT – 2017 held at CVSR group of Intuitions	Participated
15	Volley Ball Men	12	CVSR Sports BOVT – 2017 held at CVSR group of Intuitions	Participated
16	Throw Ball (Girls)	12	CVSR Sports BOVT – 2017 held at CVSR group of Intuitions	Participated
17	Table Tennis(M)	6	CVSR Sports BOVT – 2017 held at CVSR group of Intuitions	Participated
18	Foot Ball(M)	19	CVSR Sports BOVT – 2017 held at CVSR group of Intuitions	Participated
19	Kabaddi(M)	12	CVSR Sports BOVT – 2017 held at CVSR group of Intuitions	Participated
20	Basket Ball(M)	12	CVSR Sports BOVT – 2017 held at CVSR group of Intuitions	Participated
21	Carroms (M/W)	6	CVSR Sports BOVT – 2017 held at CVSR group of Intuitions	Participated
22	Badminton (M)	2	CVSR Sports BOVT – 2017 held at CVSR group of Intuitions	Participated
23	Volley Ball (W)	12	CVSR Sports BOVT – 2017 held at CVSR group of Intuitions	Participated
24	Kabaddi(W)	12	CVSR Sports BOVT – 2017 held at CVSR group of Intuitions	<b>Runners</b>

25	Kabaddi(M)	5	JNTUH team selections held at Gachubauli stadium	<b>M.Venkatesh</b> ECE-4A Played at South Zone Tournament Madras University Cheenai
26	Weight Lifting(M)	7	JNTUH team selections held at Sports School Tumkunta	Participated
27	Cricket(M)	15	S.R Champions Trophy-2017 held at SR Engineering college Warangal	Participated

#### INTER COLLEGE TOURNAMENTS (2015-2016)

S.NO	NAME OF THE EVENT	NO. OF STUDENTS PARTICIPATED
1	Cricket - Boys	750
2	Basket Ball - Boys	144
3	Volley Ball - Boys	264
4	Throw Balls - Girls	48
6	Tenni koit – Girls	24
7	Kho–kho–Boys	204
8	Kho–Kho – Girls	48
9	Table Tennis – Boys – Singles – Doubles	85
10	Table Tennis – Girls D/S	18
11	<b>Athletics</b> 1.100 Mtrs B/G 2. Shot-put B/G 3. Javelin Throw B/G	59 16 15



12	Discus throw B/G	10
13	Kabaddi Boys	384
14	Chess Boys	100
15	Chess Girls	8
16	Carroms Boys	125
17	Carroms Girls	26

### SPORTS ACHIEVEMENTS 2015-16

SNO	EVENT	DATE/YEAR	VENUE	JNTUH REPRESENTATIONS/AWARDS
1	Kabaddi men	11 oct 2015	JNTUH sports complex	<b>M.Venkatesh</b> ECE 3 <sup>rd</sup> year played south zone tournament held at KUVEMPU university, shimoga(Karnataka)
2	Hockey men	22 <sup>nd</sup> nov 2015	JNTUH sports complex	<b>M.venkata sai sunil kumar</b> ,ECE 1 <sup>st</sup> year played south zone tournament held at <b>acharya nagarjuna university</b> ,Guntur,AP
3	Kabaddi men	8 <sup>th</sup> ,9 <sup>th</sup> jan 2016	<b>KHEL 2016</b> held at aurora engineering college	<b>RUNNERS</b>
4	Table tennis men	8 <sup>th</sup> ,9 <sup>th</sup> jan 2016	<b>KHEL 2016</b> held at aurora engineering college	<b>Sharath kumar</b> , cse 3 <sup>rd</sup> year <b>WINNER</b>

## Promoting interest in Literary/Cultural events

### CLUBS

We at Geethanjali have a strong commitment to mould our students not only academically but also as good human beings and become role models for the future generations. In this direction we have different clubs namely literary club and fine arts club to bring the hidden talents to the surface. We encourage student community to participate in the above mentioned clubs.

## LITERARY CLUB:

The Literary Club was started to enhance the written and spoken skills in students. The aim of this club is to bring out hidden talents in the students both pedantic, speaking and writing skills. This also aids as a release for the student's creative energies. The students find such activities invigorating and help them in their academic pursuits.

### Objectives:

- 1) To enhance aesthetic sense of the students.
- 2) To add colour to the academic activities with Vigor.
- 3) To promote holistic growth of the student

A student's corner SPANDANA was started to enable the students to exhibit their literary talents. "Alphabetic 15" – An inter college Literary fest and Geethanjali Mock UN were held in the month of February/March 2015 by the Literary Club.

### List of literary activities conducted by Literary Club-2016-17

S.no.	Date	Name of the event	Topic	Resource person	Remarks
1.	18.01.2016	Quiz (Electoral Process)	Quiz	Mrs. Madhumathi Mrs. Karunakumari Mrs. Nagamani	49
2.	27-02-2016	VAISHESHIKA-2k16	Science event	Physics & Chemistry members	174
3.	11.03.16	ALFAMATICA Inter-collegiate Event AIFABETIKA-2K16	Literary events	Mrs. Madhumathi Event Coordinator	Chief Guest Telangana Speaker Mr. Sudharshana chary 216Registrations
4.	11.03.16	ALFAMATICA Inter-collegiate Event MATHEMATIKA-2K16	Mathematical events	Dr. Triveni Event coordinator	Chief Guest Telangana Speaker Mr. Sudharshana chary 216Registrations
5.	12.05.16	FDP	Outcome based	Dr.Pandari	Faculty found it

			Education	Pandey	highly resourceful.
6.	06.06.16	FDP	Bloom's Taxonomy	Dr. N.S. Murthy Vasavi College of engineering	Faculty learnt CO-PO attainment through an activity
7.	29.10.16	FDP	Map your Future	Dr. Mantha Lakshmi	Students learnt techniques of mapping their future
8.	10.11.16	Read India Celebrations	Essay writing competition Learn to think & Learn to listen	Mrs. Madhumathi.	Shortlisted students will have Second level of competition in July 17
9.	20 <sup>th</sup> Jan,2017	Essay Writing	Road Safety Week	Hyderabad Police	200 participants

### List of literary activities conducted by Literary Club-2015-16

S.No.	Date	Name Of The Event	Topic	Resource Person	Remarks
1.	31 <sup>st</sup> jan,1 feb 2015	4 <sup>th</sup> Annual Literary fest BITS Pilani Hyd	Verba Maxima	Venue BITS PILANI Hyd campus	150 students participated and 10 students won prizes in various events at BITs Hyd.
2.	27.2.2015	Mathematica 2K15	Mathametical events GCET	Mr. nagi reddy Mr. Ramesh	GCET's annual event. Students of all the years of different branches participated in the event. Around 500 students conducted various events.

3.	27.2.2015	Alfabetica	Literary events	Venue GCET	Annual event of GCET Conducted excellently and the event was open for all the students. Around 300 conducted events both paid and open events.
4.	31.8.2015	Telugu Bhasha Dinohsavam	JAM in Telugu	Mrs. Madhumathi Ms.Karuna Devi	Encouraged the importance of Telugu. 10 students participated.
5.	5-12-2015	Essay writing (Anti-Corruption)	Debate	Mrs. Madhumathi Mrs. Karunakumari Mrs. Nagamani	Around 3 teams of 30 students participated in this event.

#### **FINE ARTS & CULTURAL CLUB:**

As part of Fine Arts Club activities, the college celebrates important events like Teachers Day and Women's Day. Students are provided with adequate opportunities to understand the importance of living in harmony with each other for an ideal college, society and nation at large. The Fine Arts club of the college is also responsible for celebrating Talent Day and Traditional Day. The themes for all the competitions are selected keeping in mind the role of students in understanding their duties as responsible citizens of the country.

#### **For the Academic Year 2016-17 (upto January 2017)**

- **Bathukamma** – a traditional ritual marking Navrathri Celebrations was celebrated for in the College on 4 October. Women of the College decorated Bathukamma and danced around it. There was Dandiya Ras as well.
- **Talent Day and Traditional Day** were celebrated on 12, Jan 2017. Talent Day enabled the

first year engineering students to showcase their talent in, music, dancing. Traditional Day was also celebrated. Various competitions like kite flying, rangoli and traditional dance competitions were conducted.

**For the Academic Year 2015-16:**

- **Teacher’s Day-** The students organized heartwarming events in honour of the faculty.
- **Bathukamma** - A traditional ritual marking Navrathri Celebrations was celebrated for the second time in the College. Women of the college decorated Bathukamma and danced around it.
- **Talent Day and Traditional Day** was celebrated on 13 January, 2016. Talent Day enabled the first year engineering students to showcase their talent in fine arts like painting, music, dancing. Traditional Day was celebrated before Pongal. Various competitions like kite flying, rangoli and traditional dance competitions were conducted and the students were awarded prizes.

**4.2 Library as a Learning Resource**

**4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?**

Yes. The effective functioning of the library is ensured by Library Advisory committee (LAC)

The composition of the LAC is given below:

S.No.	Name of the Staff Members	
1.	Dean Academics	Coordinator
2.	All Department HoDs	Members
3.	Library incharge	Convenor

The Committee gives directions and recommendations on all matters related to the organization and services of the college library.

Some of the features of the present system/practices in the library which are the result of the initiatives taken by LAC are:

- Cordial, cooperative and informed staff of the library keep the library user friendly.
- Completely automated functioning of the library makes the transactions easier.
- Open access system.
- Electronic book search.
- Access to e-books and e-journals through DELNET, IEEE, INFOTRACK ENGG COLLECTION AND NATIONALV DIGITAL LIBRARY
- Discipline is ensured through effective counseling.
- The periodical display of the new arrivals to inform users.
- Orientation for using e-resources to new faculty recruits and newly admitted students.
- Feedback collected from users.
- Strengthening the book bank facility (SC).

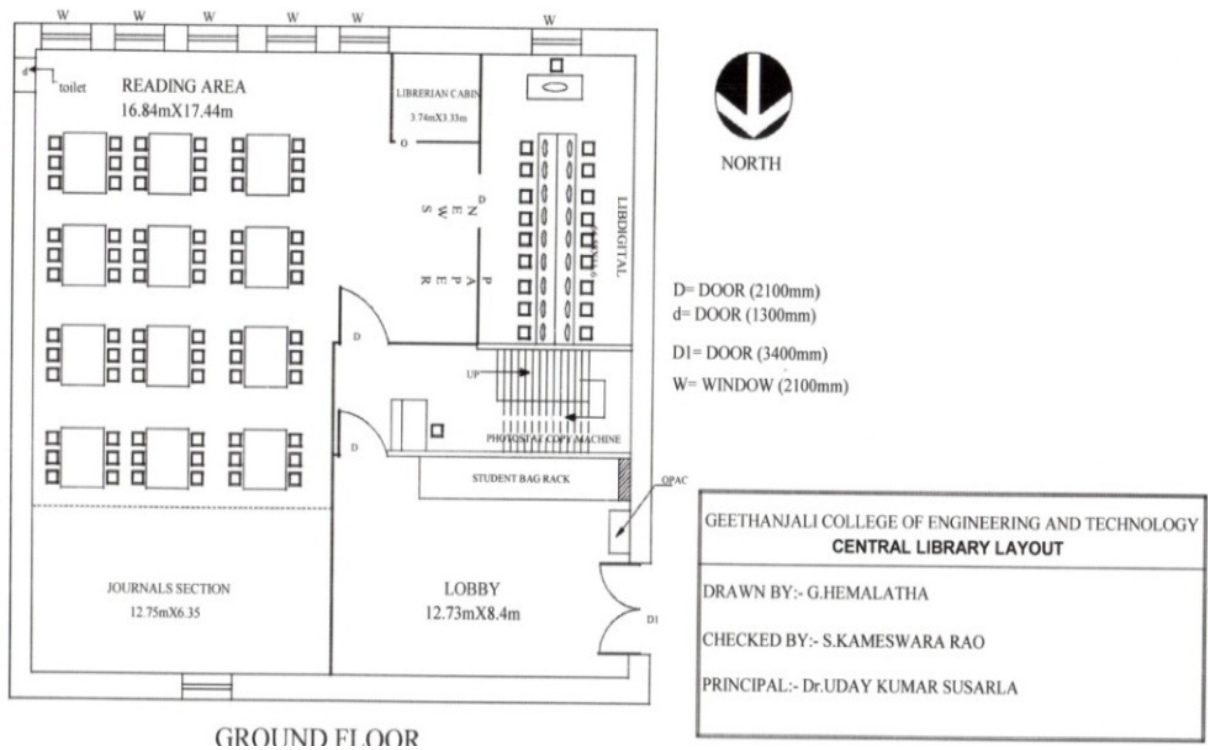
#### 4.2.2 Provide details of the following:

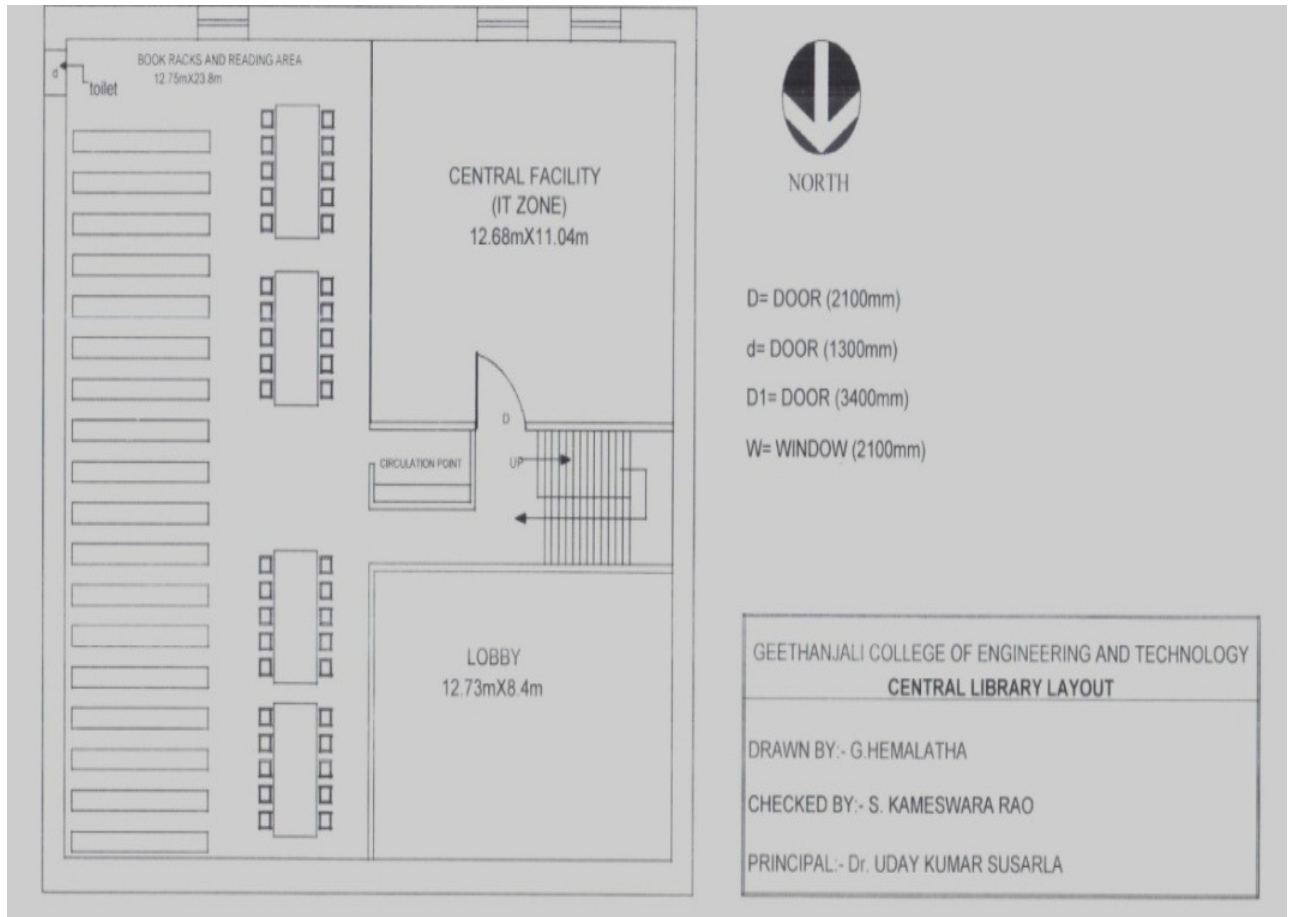
- **Total area of the library (in Sq. Mts.):** 1110
- **Total seating capacity:** 250
- **Working hours (on working days, on holidays, before examination days, during examination days, during vacation)**
- Working days : 09.30 A.M to 06.00 P.M  
(including before and during examination days)
- Holidays : 10: 00 A.M to 2: 00 P.M
- During vacation : 10: 00 A.M to 5: 00 P.M

➤ **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

Layout of the library on the ground floor and first floor are shown below.

The Library layout has Issue and Return counters, Back Volumes, Photostat corner, Journal/Magazine section, Digital zone for accessing e-resources, individual reading carrels, area for relax reading, special cubicles for researchers.



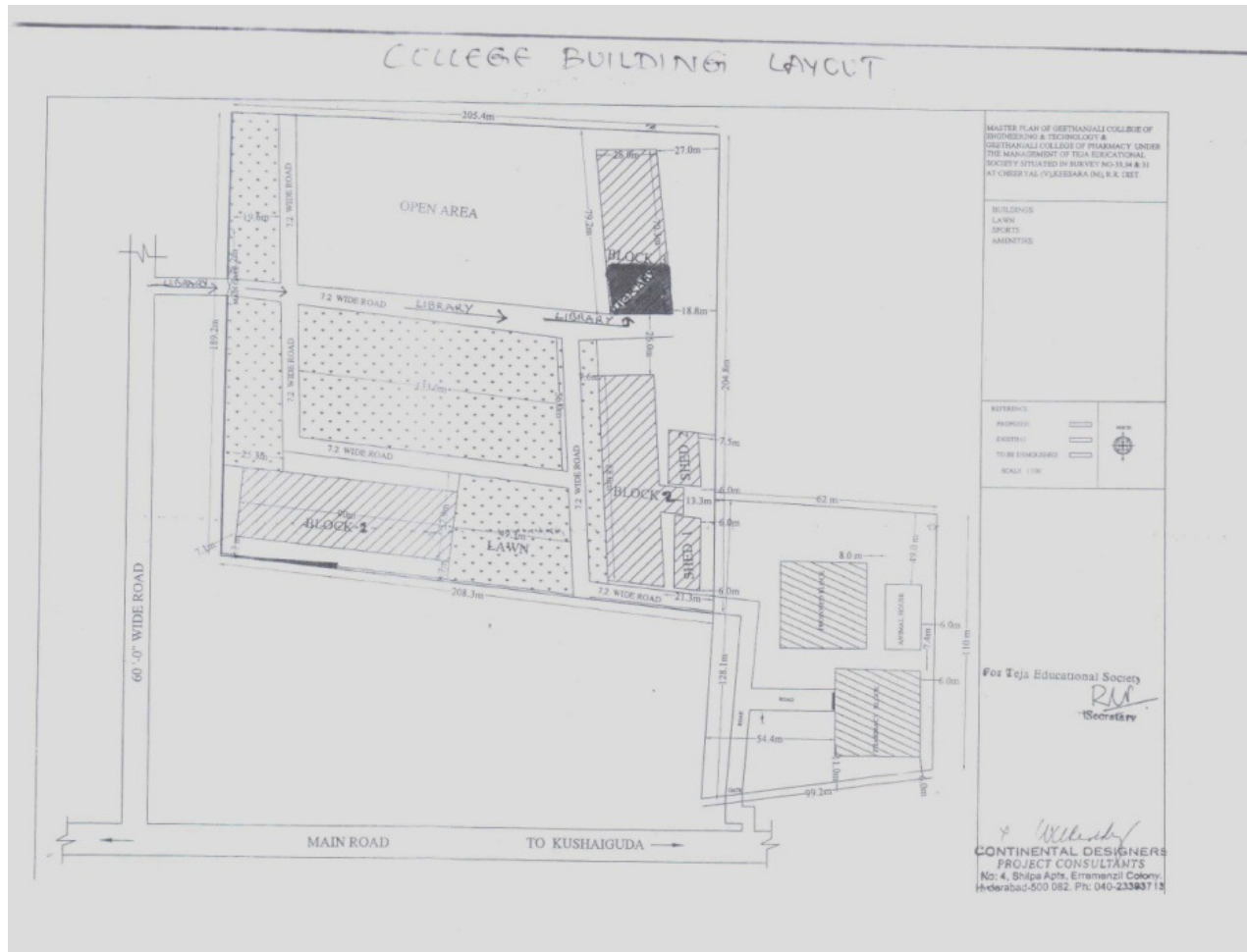


### FIRST FLOOR

- **Access to the premises through prominent display of clearly laid out floor plan; adequate signage; fire alarm; access to differently abled users and mode of access to collection)**

The layout of the college building showing the location of the library and access to the premises is given below





**4.2.3 Give details on the library holdings**

**Total No. 32277**

**a) Print :**

**(Books, back volumes and thesis)**

Books: 32152  
 Back volumes: 1503  
 Thesis: 1904

**b) Non Print (Microfiche, AV):**

Text books, journals CDs - 2995

**c) Electronic (e-books, e-Journals):**

E-Books – 2587, e-journals - 1300

**d) Special collection: 3564**

(eg. Text book, Reference books, Dictionaries, Encyclopedias, Handbooks, manuals etc.)

#### 4.2.4 What tools does the library deploy to provide access to the collection?

- OPAC
- Electronic Resource Management package for e-journals
- Federated searching tools to search articles in multiple Databases
- Library Website
- In-house/remote access to e-publications

The library deploys the following tools to provide access to its collection

##### **OPAC (Online Public Access Catalog):**

Through this catalogue one can search the Library database to know the status of the library book. One can search this OPAC by entering the Name of the Title/ Author/publisher/ Accession Number of the Book. Student/ faculty can reserve any desired book.

##### **Federated searching tools to search articles in multiple databases:**

Library provides federated search which is used to search multiple content with one query, which allows a user to search multiple databases at once in real time.

Ex: OPAC

**Library Website:** [www.gcet.edu.in](http://www.gcet.edu.in) (college website provides required information)

##### **In-house/remote access to e-publications**

Students and staff can access e-resources using LAN (with individual user login and passwords) as a part of the digital Library.

#### 4.2.5 To what extent is the ICT deployed in the library?

- Library automation
- Total number of computers for public access
- Total numbers of printers for public access
- Internet band width speed  2 mbps  15 mbps  1go (GB)
- Institutional Repository

- **Content management system for e-learning:**
- **Participation in Resource sharing networks/consortia (like Inflibnet) national digital library, delnet**

### **Library automation**

The library uses EZ software package, which is library automation. Library Management Information System supports in-house operations of the library. The EZ software consists of modules on Acquisition, Cataloguing, Circulation, Serials, Article Indexing and OPAC. Retrospective conversion of bibliographic records has been in vogue and can now be accessed through the EZ OPAC. The data base available in the library is being updated on day to day basis with details of recently acquired books, records of all the library patrons have also been created in the EZ package. To strengthen our circulation counters for accuracy and speeding up of operations Barcode Technology is in place.

<b>Total number of computers for public access:</b>	24
<b>Total numbers of printers for public access:</b>	1
<b>Internet band width / speed:</b>	15 Mbps

### **Institutional Repository:**

Institutional repository is an online locus for collecting preserving and disseminating in digital form.

### **Content management system for e-learning:**

NPTEL Video Lectures,  
Project reports CDs, Text book CDs, TLM CDs

### **Participation in Resource sharing networks/consortia**

Subscribed for DEL NET List for participation in resource sharing networks.

### **4.2.6 Provide details (per month) with regard to.**

- **Average number of walk-ins:** 7700
- **Average number of books issued/returned:** 4400
- **Ratio of library books to students enrolled:** 14:1

- **Average number of books added during last three years:** 6,270
- **Average number of login to OPAC:** 400
- **Average number of login to e-resources:** 1700
- **Average number of e-resources downloaded/printed:** 15 per day
- **Number of information literacy trainings organized :** 1 per year

#### **4.2.7 Give details of the specialized services provided by the library**

- Manuscripts
- Reference
- Reprography
- ILL (Inter Library Loan Service)
- Information Deployment and Notification
- OPAC
- Internet Access
- Downloads
- Printouts
- Reading list/ Bibliography compilation
- In-house/remote access to e-resources
- User Orientation
- Assistance in searching Databases
- INFLIBNET/IUC facilities

**Manuscripts:** No

**References:** Separate reference section is provided for the users of the Library where students and staff can refer to books like dictionaries, encyclopedias, almanacs, etc.

**Reprography:** Photocopying facility is available in the library

**ILL (Inter Library Loan Service):** DELNET, British Library membership

**Information deployment and notification:**

**Notice board:**

Displays new arrivals, Seminars, Conferences conducted by other colleges, college calendar etc.

**Download:**

E-journals, E-books, Articles, Videos, Course files and Lab manuals.

**Printing:**

Library has a printer for users.

**Reading list/ Bibliography compilation:**

Library books are arranged course wise, using Dewey decimal classification and shelf list cards helps the user in finding the required information easily.

**In-house/remote access to e-resources:**

Students and faculty can access the Library information within the campus (through LAN). Remote access can be done for some of the important documents through college website.

**User orientation and awareness:**

User orientation sessions will be conducted for new users of the Library.

**Assistance in searching databases:**

Library staff assists the users in searching the database: OPAC.

**4.2.8 Provide details on the annual library budget and the amount spent for purchasing new books and journals.**

F.Y	Budget Estimates (Rs)	Amount Spent (Rs.)				Total(Rs)
		Books	Journals (Print)	E-Resources	Other (Furniture/Equipments Consumables/Miscellaneous)	
2016-17	2130000	542400	506680	544318	389076	1982474
2015-16	2400000	1003247	560961	501707	239065	2304980
2014-15	2000000	730140	245393	460510	163693	1599736
2013-14	1900000	826140	180115	372780	87224	1466259

**4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services.**

The library provides feedback forms (direct approach method), to get the feedback from the users. The suggestions and complaints received as feedback are periodically reviewed by library committee and remedial measures are adopted for constructive feedback. With the approval of Management, library services are improved.

**4.2.10 List the infrastructural development of the library over the last four years.**

The college library was set up in the year 2005. The library shifted to new building specially constructed for the purpose, in 2012. The new library premises are very spacious, well-ventilated, with excellent facilities. No major expansion is needed in the near future. The developments that have been made in the last four years have been in the form of additional book racks, software etc., The amount spent towards this over the last four years are as follows.

F Y	Book racks (Rs.)	Software/hardware (Rs.)	Miscellaneous (Rs.)
2015-16	192805	<b>10000</b>	18882
2014-15	113782	16725	28788
2013-14	47595	00	26484
2012-13	47039	11975	17550

**4.2.11 Did the library organize workshop/s for students, teachers, non-teaching staff of the College to facilitate better Library usage?**

YES

- The first year students and the newly joined faculty and staff are given awareness on the rules and regulations of the library and also on how to effectively use the library resources.

**4.3 IT Infrastructure**

**4.3.1 Does the College have a comprehensive IT policy addressing standards on IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management?**

The college has a comprehensive IT policy, addressing all aspects, which is given below

**Information Technology Policy**

**Introduction:**

Geethanjali College of Engineering and Technology (GCET) recognizes the value that technology resources provide in facilitating normal administrative and service activities by employees and students. This policy aims to provide support for use of Information Technology resources while at the same time reducing exposure to the risks associated with the management of information systems.

**Hardware Organization:**

- Information Technology equipment will be classified as either networked or non-networked stand alone units. Networked equipment will include all desktop computers and accessories connected to the server. Non-networked units consist of stand-alone desktop computers, laptops, printers, copiers, and accessories not connected to the server.
- Generally, all administrative office desktop computers as well as those in the Computer Labs are networked with the server. Non-networked units will include bar-code counters at library, and some copiers.
- An inventory of technology equipment is maintained. Employees (Teaching and non-Teaching staff), students, and others are not to move or change locations/connections of equipment without the authorization of the In-charge/System Administrator of computing centre.
- The In-charge for computing centre is responsible, in consultation with the Principal/Dean/Head of the department or the concerned coordinator/lab in-charge of the

respective department, to determine the number and type of technology units needed, and to maintain them in good operating condition. Older pieces are upgraded or replaced each year in order to insure that equipment remains functional and compatible with changes in technology. Software updates will be downloaded as necessary by the computer system administrator to insure that individual units are equipped with the latest revisions.

- The computer system administrator may employ the services of outside contractors as necessary, within budget constraints, to maintain and/or troubleshoot technology equipment. Skilled volunteers may also be utilized in this regard.

### **Security & Privacy Issues:**

- The administrator is responsible for determining which computer units are connected and maintained on the network, and the number and nature of user accounts. Authorized users of networked computers will log on using their user name and password. To prevent access by others when temporarily away from their desk, a screen saver password should be employed. Upon completion of the work day, or work session, users should log off, but leave units running. Only monitors should be turned off. Passwords are established and maintained to provide system security. Passwords will be changed periodically as part of system security. Passwords should never be written down, stored on-line, or allowed to be used by other persons.
- All users should exercise precautions when sending or receiving information over the Internet to prevent viruses, worms, Trojan horses and other potentially damaging software from being received. The computer system administrator should be contacted immediately in the event a unit becomes infected, or develops other operational problems.
- All computer files, including e-mail, are considered assets of GCET. Users should be aware that computer files are not private and can be accessed or quarantined at any time by the computer system administrator. Employees (Teaching and Non-teaching staff) who resign, retire or are terminated will have their access restricted immediately.
- The GCET respects and adheres to all copyrights and licensing agreements. Individual users are not allowed to download and/or install software to computer units. The computer system administrator will determine the software configuration of each unit based on need, and will insure adequate licensing to support all installations. The administrator will be responsible for downloading and installing all software updates on networked units. All units on the



network will use anti-virus software.

- Physical security is provided for the network server and for computers on the network. Sensitive and/or confidential record information is secured. Printed copies and disks are kept in locked cabinets or rooms. When no longer needed, confidential and/or sensitive hard copy output will be shredded prior to being recycled. Software and files are saved to the network server. The computer system administrator is responsible for insuring that the network server is backed up at the conclusion of each work day.
- Sensitive or confidential information, when printed, should be cleared from printers immediately. When photocopying confidential information, employees are to be careful to remove the original and all copies from the machine when finished. Failure to comply with these security and privacy policies is grounds for employee disciplinary action, including termination of employment. In the case of students, future access can be denied based on abuse of these policies.
- The access of inappropriate web sites and the downloading of offensive materials on the Internet will not be tolerated and may subject offenders to immediate disciplinary action. Similarly, the forwarding of jokes and “chain-letter” messages is prohibited.

### **Non-Teaching Staff Training:**

Employees are provided training opportunities to learn the skills necessary to effectively utilize technology hardware and software in the performance of assigned duties. In-house training for staff from experts is provided based on the need.

### **Computer Lab Usage**

Users are not permitted to load software onto hard disk drives or remove/change/delete software or files they did not create. Users should exercise precautions when sending or receiving information over the Internet to prevent viruses, worms, Trojan horses and other potentially damaging software from being received. The access of inappropriate web sites and the downloading of offensive materials on the Internet will not be tolerated and will subject offenders to suspension of access to the lab.

## **Risk Management Policy**

### **Purpose**

To establish a process to manage risks to the Geethanjali College of Engineering and Technology (GCET) that result from threats to the confidentiality, integrity and availability of Institution Data and Information Systems.

### **Scope:**

This policy applies to all electronic data created, stored, processed or transmitted by the GCET, and the Information Systems used with that data.

### **Policy:**

1. All Information Systems must be assessed for risk to the GCET that results from threats to the integrity, availability and confidentiality of GCET Data.
2. Risks identified by a risk assessment must be mitigated or accepted prior to the system being placed into operation.
3. Residual risks may only be accepted on behalf of the Institution by a person with the appropriate level of authority
4. Each Information System must have a system security plan, prepared using input from risk, security and vulnerability assessments.

### **IT Service Management:-**

**Public data:** College website provides information related to the entities and processing of the college through a public website. The data can be accessed freely through online.

**General Administrative data:** Data related to the academic administration such as student info, staff info etc., is maintained by Ezschoo

**Protected data:** The protected data such as financial, student examination Question paper can be provided after approval from the concerned authorities

**E-mail system:** Webmail is provided through the college website domain for certain administrative users

**Information security:** The public access servers are well protected from virus attacks

**Network Security:** The College has intranet and internet facility with fire wall security. The users agrees to abide by all the licensing agreement for Soft ware procured by the institute with other parties.

**Software Asset management:** It is the policy of institute to respect al computer software copyrights and adhere to the terms and conditions of license. All computer software acquired by the college is purchased through the approval of established procurement procedures. Computer software can only be installed by the responsible staff. Once software has been installed, the system administrative staff of the college are responsible for ensuring that the original media, license documents, and manuals are stored as institute managed assets.

All the users are made aware that the institute electronically/manually conducts audits for all computers, registers, on a regular basis.

**4.3.2 (A) Give details of the College's computing facilities (hardware and software).**

- **Number of systems with configuration**
- **Computer-student ratio**
- **Dedicated computing facility**
- **LAN facility**
- **Wifi facility**
- **Propriety software / Open source softwares**
- **Number of nodes/ computers with internet facility**
- **Any other**

Computing facilities (Hardware and Software)

S No	Particulars	Available	Brand Model/specification
1	No. of computers in LAN/WAN	No.of systems available for students : 1208	LG,HP,Dell, ACER, EnjayThinclients,IBM,Lenovo
		No.of systems available for staff: 130	
2	Computer - Student ratio	B.Tech 1:4 M.Tech 1:2 MBA 1:2	LG,HP,Dell,Enjay Thinclients,IBM,Lenovo
3	Standalone Facility	32	LG,HP,Dell,EnjayThinclients
4	Licensed Software	Oracle, Microsoft	-----
5	Internet facility	64 Mbps	Balaji online Vainavi, Reliance Jio
6	Wi-Fi connectivity	Whole Campus	NETGEAR, TP-Link, Reliance Jio

**4.3.2 (B) What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

- Sequential upgradation plans are reflected every year in the annual budget estimates plan. The activities have been planned in such a way that, the IT infrastructure and associated facilities are always on par with the state-of-the-art technology.
- GCET maintains thrust on this vital area to ensure continuous and consistent availability in tune with the growing needs as well as changing technologies. The college places a lot of importance on e - learning and major plans are in hand to upgrade the bandwidth, connectivity as well as the devices. College level Wi-Fi is planned in the coming years.

**4.3.3 Give details on access to online teaching and learning resources and other knowledge, and information provided to the staff and students for quality teaching, learning and research.**

- The learning resources are provided with the help of digital library
- A digital library with a focussed collection of digital objects that include text; visual material, audio material (Nil) video material (202) are stored as electronic media format, along with the means for organizing, storing, and retrieving the files and media contained in the library collection.
- Institutional repository software is designed for archiving, organizing and searching a library's content. For this, open source software tools such as phl, apacue and oysm were used. The digital library can be accessed through the Intranet (locally in the campus computer N/W)
- The digital library was developed to augment the quality of teaching learning process. The contents of the digital library are

E-Journals	-	1300
E-Books	-	2587
Tutorials	-	Nil
Videos	-	202
Audio	-	Nil
Home work	-	Nil
Q paper	-	upto 2012
C-file	-	upto 2014
Current Events	-	upto 2015
Lab manuals	-	upto 2014

**4.3.4 Give details on the ICT enabled classrooms/learning spaces available within the College and how they are utilized for enhancing the quality of teaching and learning.**

- Central computing facility and its use by staff and students: The staff and students can share the information through network. Staff and students can access network resources.
- Faculty facilitation to prepare computer aided teaching/learning materials: The institution acts as a facilitator for e-learning material (NPTEL video lectures) and the accession to

online lectures of various experts from reputed institutions is also made available. E-class rooms are provided for this purpose in all the departments.

- Website: The website is updated whenever new information is to be added regarding national symposium, seminars, workshops, tender notification, recruitments and as and when required. College Website also gives information regarding the course files, E-Books, Lab manuals etc. to the students on the Web.
- Maintenance of computers and their accessories: These are maintained by administrator and technical team of the college.
- Digital Library: Access is given to all faculty on LAN and computers are available for the students for online learning in the Central Library.
- E-Class rooms: Individual computer systems are made available to each student in the class room and online class learning is made, during the regular class hours.

#### **4.3.5 How are the faculty facilitated to prepare computer aided teaching-learning materials? What are the facilities available in the College or affiliating University for such initiatives?**

The college provides digital Library facility and all laboratories also have internet facility for staff and students. All the college repositories including project reports, research papers, dissertations and Ph.D. thesis are available in digital format in the digital Library. The institution has adequate computer facility for its faculty. Adequate multimedia projectors, OHPs are available with each department.

#### **4.3.6 How are the computers and their accessories maintained? (AMC, etc.)**

Computer repair technicians are employed in the college for the maintenance of computer systems. Their work involves hands-on repair of various types of computers, printers and associated equipment. They are specialized in the installation of computer systems. Day-to-day duties include, maintaining computer systems, observing functions of computer, systems and identifying errors, repairing components, responding to different requests and performing routine computer maintenance.

#### **4.3.7 Does the College avail of the National Knowledge Network connectivity directly or through the affiliating University? If so, what are the services availed of?**

Yes, NPTEL Video Lectures are being made available to the students.

**4.3.8 Provide details on the provision made in the annual budget for update, deployment and maintenance of the computers in the College?**

The provision made in the annual budget for 2016-17 for computer systems – updating, maintenance, purchase of new systems is shown in the table given below.

**Budget estimates for computer systems 2016-17**

<b>S.No.</b>	<b>Description</b>	<b>Amount (Rs.)</b>
1.	Updating of existing computer systems (Add on modules, softwares, services etc.,)	38,00,000/-
2.	Maintenance (Spares, service)	5,00,000/-
3.	Purchase of New computer systems	44,00,000/-

**4.4 Maintenance of Campus Facilities**

**4.4.1 Does the College have an Estate Office / designated officer for overseeing maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.**

Yes; The administrative officer is designated for overseeing the maintenance of buildings.

Some of the initiatives taken to improve the physical ambience are:

- The college buildings are aesthetically designed and set in a 10 acre land
- The strategically located landscape of greenery is eye-catching
- The classrooms are spacious, and well-ventilated.
- A wide lawn covering 8000 sq.mtrs is maintained in front of the buildings
- Large mango and other trees numbering over 500 are maintained in the campus
- Automated sprinklers are used to maintain greenery
- Clean and green programs are conducted regularly
- Fire safety systems (extinguishers) have been installed, complete with fire pipe lines, water tanks etc.,
- Black-topped approach road from cheeryal – Yadgarpally road to college premises has been laid. All internal roads have been relaid.

**4.4.2 Does the College appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained? Give details.**

- Yes. The Maintenance section of the college is responsible for maintenance of the buildings, gardens, equipment, and facilities.
- The technical staff of EEE department handles maintenance of electrical installations and equipment. While routine maintenance and minor repairs are carried out by them, major repairs are outsourced.
- The gardeners, who are on the staff of the college, maintain the gardens under the supervision of a garden superior.
- The buildings are maintained by the college maintenance staff. The supervision of the maintenance is outsourced. A team of three supervisors is provided by the contracting agency to maintain the three buildings of the college. While minor repair works are carried out by the staff, the services of plumbers are hired; the plumbers are available on call.
- Carpentry services are available in the campus and these are provided by the workers, of the contractor, who stay in the campus as they are continuously engaged in the making of new furniture, cabinets or repair of old furniture all through the year



## **CRITERION V:**

### **STUDENT SUPPORT AND PROGRESSION**

#### **5.1 Student Mentoring and Support**

##### **5.1.1. Does the College have an independent system for student support and mentoring? If yes, what are its structural and functional characteristics?**

**Yes,** The College gives utmost importance for student support and mentoring. A mentor diary will be allotted to each student while joining the same will be maintained till the end of his program study. A faculty mentor is identified in each semester and he/she will guide the student for that semester. Around 15 students are given to a senior faculty member.

Also, Orientation program for three days is conducted to all First year students during their admission to the Institute, covering the following points.

- Motivation and Goal setting
- Listening Skills, Reading Comprehension Techniques, Writing Skills
- Time Management
- Employability Skills
- Difference between studying in Junior college and Professional colleges, etc.

##### **5.1.2 What provisions exist for academic mentoring apart from class room work?**

###### **Mentoring:**

- As part of mentoring, considerable amount of time is spent, talking to students about their career and professional goals, concerns, and suggestions for improving their learning experience.
- A Mentor Diary is maintained for each student for all four years.
- Two periods per week are allotted for mentoring.

###### **The duties of a mentor are:**

- Fill the student's Academic and Personal Profile.
- Meet the mentee twice in a week.
- Submit a weekly report to HoD once every fortnight/immediately if emergency arises.
- Find out the strong points and weak points of the students. Suggestions are given to come out of the deficiencies. Encouragement is given to use their strengths.
- The parents are informed at regular intervals regarding the deficiencies of their ward and suggestions for improvement.

**5.1.3 Does the College provide personal enhancement and development schemes for students? If yes, describe techniques employed e.g., Career Counselling, Soft Skill Development, etc.**

- Geethanjali College of Engineering and Technology has a dedicated department which takes care of training and placements of the students.
- The training and placement division is called **CACHE (Centre for Advancement of Career and Human Excellence)**.
- The college has a tie-up with a leading training institute - Triumphant Institute of Management Education (**TIME**).
- **TIME** conducts two sessions a week for each class through the Semester.
- The training module covers areas of
  1. Functional grammar in standard English and Tips on improvement of Vocabulary
  2. Listening skills
  3. Speaking skills
  4. Public Speaking
  5. Effective Writing
- The program is designed to be interactive so as to generate and sustain the interest of the participants.
- Guest lectures are organized and course experts from other institutions of higher learning/ corporate/business house are being invited to provide exposure to students about the latest trends.

NEN: An active NEN Cell (National Entrepreneur Network ) is present in the institute.

- NEN supports conducting student and faculty workshops on various topics ranging from the basic awareness to investments.
- The institution has also encouraged activities like setting up a campus enterprise and other real time interactive mentoring sessions with entrepreneurs.
- The e-cell of Geethanjali College of Engineering and Technology “Idea Dimension is drawing members from all the branches of UG & PG programs.
- To promote entrepreneurship spirit among the student community, the college has established Entrepreneurship Development Cell (EDC) funded by AICTE.
- College received a grant of Rs. 5.5 lakhs, both recurring and non-recurring for a

duration of 4 years.

- This cell creates awareness of need and importance of entrepreneurship as career option among the students thereby strengthening their entrepreneurship skills.
- The EDC cell organizes awareness programmes on Entrepreneurship and Intellectual Property Rights.

**5.1.4 Does the College publish its updated prospectus and handbook annually? If yes, what are the activities / information included / provided to students through these documents? Is there a provision for online access?**

- Yes, The college publishes its updated handbook annually.
- It contains the Vision, Mission, values, the motto of the institute, information about the college and , details of the academic programs offered, their eligibility, names of the department heads etc.,.
- Learning material like question banks, assignment questions and previous years question papers are included in the handbook for Ist B.Tech.
- It also contains the details of the facilities being provided to the students.
- It contains details of Centre for Academic and Career Guidance (CACG), Training and Placement details, Performance Monitoring and Guidance, Various student activities, Student code of conduct/responsibilities and various college clubs and their activities.
- The Handbook is distributed to every student at the beginning of the academic year during the admission. The same information, which is published in the college handbook, is also updated on the college website: [www.geethanjaliinstitutions.com](http://www.geethanjaliinstitutions.com)

**5.1.5 Specify the type and number of scholarships / freeships given to students (UG/PG/M.Phil/Ph.D./Diploma/others in tabular form) by the College Management during the last four years. Indicate whether the financial aid was available on time.**

Geethanjali College of Engineering and Technology is providing cholarships to Students for their proven academic excellence. The financial aid was available and disbursed on time.

**Free-Ships:**

**1. Merit Scholarships:**

Raja Reddy Memorial Awards for academic excellence are given to the topper in each branch for all years of students.

<b>Details</b>	<b>2015-16</b>	<b>2014-15</b>	<b>2013-14</b>	<b>2012-13</b>
Category / Basis (Merit)	Merit	Merit	Merit	Merit
Scholarship Assistance Nos.	59	39	42	22
<b>Amount (Rs.)</b>	<b>2,39,000</b>	<b>1,17,000</b>	<b>2,14,000/-</b>	<b>2,20,000/-</b>

<b>2012 – 13</b>			
<b>Sl. No.</b>	<b>Branch</b>	<b>No. of Students</b>	<b>Amount in Rs.</b>
1	CSE	4	40,000
2	ECE	4	40,000
3	EEE	4	40,000
4	IT	4	40,000
5	MBA	2	20,000
6	MCA	3	30,000
<b>TOTAL</b>			<b>2,10,000</b>
<b>2013– 14</b>			
<b>Sl. No.</b>	<b>Branch</b>	<b>No. of Students</b>	<b>Amount in Rs.</b>
1	CSE	8	40,000
2	ECE	8	40,000
3	EEE	8	40,000
4	IT	8	40,000
5	ME	4	20,000
6	MBA	4	20,000
7	MCA	2	10,000
<b>TOTAL</b>			<b>2,10,000</b>

<b>2014 – 15</b>			
<b>Sl. No.</b>	<b>Branch</b>	<b>No. of Students</b>	<b>Amount in Rs.</b>
1	CSE	11	33000
2	ECE	11	33000
3	EEE	4	12000
4	IT	7	21000
5	ME	4	12000
6	MBA	2	6000
<b>Total</b>			<b>1,17,000</b>

<b>2015 – 16</b>			
<b>Sl. No.</b>	<b>Branch</b>	<b>No. of Students</b>	<b>Amount in Rs.</b>
1	CSE	14	52000
2	ECE	14	52000
3	EEE	8	36000
4	IT	6	27000
5	ME	10	42000
6	MBA	4	18000
7	CE	3	12000
<b>Total</b>			<b>2,39,000</b>

2. The college provides concession in tuition fee based on student's performance in the EAMCET exam as stated below

<b>Sl. No.</b>	<b>Rank</b>	<b>Percentage of concession</b>
1	1- 5,000	100
2	5,001 – 7,500	50
3	7,501 – 10,000	25

<b>2016 – 17</b>			
<b>Sl. No.</b>	<b>Student Name</b>	<b>Admission category</b>	<b>Rank</b>
1	C..Prathyusha	EAMCET convener	9234
2	T. Amulya	EAMCET convener	9985

<b>2015 – 16</b>			
<b>Sl. No.</b>	<b>Student Name</b>	<b>Admission category</b>	<b>Rank</b>
1	C. Sai Rama Rao	EAMCET convener	8085
2	Sruti S V S N	EAMCETconvener	9570
3	K. Chaitanya Sai	EAMCETConvener	4014
4	Padamati Jeevan Reddy	EAMCET Convener	9915

3. The college provides special incentives to the top rankers of all the departments, in the form of reimbursement of the cost of books purchased up to Rs. 1000/ for the first ranker and up to Rs. 500/- for the second ranker .

<b>Details</b>	<b>2015-16</b>	<b>2014-15</b>
Category / Basis (Merit)	Merit	Merit
Scholarship Assistance for first ranker (No.)	23	21
Scholarship Assistance for second ranker (No.)	21	13
<b>Amount</b>	<b>33,500</b>	<b>27,500</b>

**5.1.6 What percentage of students receives financial assistance from state government, central government and other national agencies? (e.g., Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc. )**

**Financial Assistance received from State/Central Government**

<b>Sl. No.</b>	<b>Academic Year</b>	<b>Type of Scholarship</b>	<b>No. of Students Benefitted</b>	<b>Amount disbursed in Rs.</b>
1	2012-13	SC	177	63,00,500
2		ST	48	17,14,500
3		BC	505	1,74,76,900
4		EBC	231	79,93,700
5		MW	46	15,89,900
6		DW	1	32,700
7	2013-14	SC	194	81,50,500
8		ST	52	22,44,000
9		BC	619	2,33,03,200
10		EBC	302	1,06,51,500
11		MM	53	18,24,000
12	2014-15	SC	205	1,01,36,000
13		ST	56	2,77,1500
14		BC	716	2,68,91,500
15		EBC	329	1,20,31,00
16		MM	56	21,19,500
17	2015-16	SC	233	80,57,500
18		ST	78	47,79,500
19		BC	778	1,89,05,500
20		EBC	363	1,30,7500
21		MM	56	1590500



Academic Year	Percentage(%) of Students Benefitted			
	2015-16	2014-15	2013-14	2012-13
SC, ST, OBC, General	64	47	56	54

Scholarships received from various central, state and other agencies are disbursed without any delay to the students.

**5.1.7 Does the College have an International Student Cell to cater to the needs of foreign students? If so, what measures have been taken to attract foreign students?**

No, as there are no foreign students on the rolls of the institute.

**5.1.8 What types of support services are available for**

- **Overseas students**
- **Physically challenged / differently-abled students**
- **SC/ST, OBC and economically weaker sections**
- **Students to participate in various competitions/ conferences in India and abroad**
- **Health centre, health insurance etc.**
- **Skill development (spoken English, computer literacy, etc.,)**
- **Performance enhancement for slow learners / students who are at risk of failure and dropouts**
- **Exposure of students to other institutions of higher learning/ corporates/business houses, etc.**
- **Publication of student magazines**
- **Overseas students**
  - In general, admissions are given to overseas students as per the AICTE guidelines.
  - However, the institution does not have permission to give admissions to overseas students.

➤ **Students with physical disabilities**

- Two wheel chairs and a ramp are available for students with physical disabilities.
- Class rooms are shifted to ground floor.
- Exams are conducted at ground floor only.
- As of date there are no students with physical disabilities on the college rolls.

➤ **Students from SC/ST, OBC and economically weaker sections**

- During the time of admission, the students from SC/ST, OBC and economically weaker students are identified based on their authenticated disclosures and the college maintains the same record.
- Besides, students are made aware of the scholarships given by the Central Govt
- the State Govt. The students are also informed of the different types of schemes that are available from the Social Welfare Department and Government.
- Remedial coaching is offered to the students of SC/ST, OBC and
- economically backward communities to uplift them academically.
- The tutorial and mentoring systems help to identify their problem areas and
- address them positively by giving them remedial help as well as counseling.
- Parent – Teacher meetings help the teachers know more about the backgrounds of the students and to give them proper guidance.

➤ **Students' participation in various competitions/National and International (students achievements)**

Geethanjali College of Engineering and Technology encourages students to participate in various National and International Competitions.

## I. Guest lecturers participated in by MBA Students

### Academic Year 2016-17

S.No	Title	Event	Resource Person & Designation	Date
1	Entrepreneurship opportunities and Start Up culture	Guest Lecture	Mr. Kashyap Kompella, Entrepreneurship Innovation Consultant	13.7.2016
3	Employability skill development	Guest Lecture	Mr. K. Suresh, Smart steps	04.01.2017

### Academic Year 2015-16

S.No	Title	Event	Resource Person & Designation	Date
1	Career orientation for MBA Graduates	Guest Lecture	Mr. K. Suresh Kumar	16.3.2016
2	Success secrets for MBA students	Guest lecture	Dr. K. V Subba Raju	19.12.15

### Academic Year 2014-15

S.No	Title	Event	Resource Person & Designation	Date
1	Career and Employability skills	Motivational Lecture	Dr. ML Sai Kumar (Prof. IPE)	06.4.2015
2	Products in Banking Sector, Career Opportunities, Preparation of Bankable Projects & Expectations from MBA Students in this Direction	Guest Lecture	A.L. Nageswara Rao(Retd., GM- Andhra Bank)	06-01-15
3	On Line Trading with BSE/NSE	Guest Lecture	Mr. Santhosh Reddy	12-11-14

**Academic Year 2013-14**

<b>S.No</b>	<b>Title</b>	<b>Event</b>	<b>Resource Person &amp; Designation</b>	<b>Date</b>
1	Career orientation Program	Motivational Lecture	Mr.Rohan, Relationship Manager HR, Smart Step	03-01-14
2	Employability Skills	Guest Lecture	Dr. Venkat Ramana Reddy(Research Manager, SEEK Info Media Pvt. Ltd., Hyderabad	16-12-13
3	Entrepreneurship Development Program	Guest Lecture	Mr.Y Srinivas,	27-11-13
4	Career orientation Program	Impact of Attitude and behavior in Career Development	Dr. TKV Raghavan, Professor-S&H,GCET	19-11-13
5	Professionalism- A Modern View in the Light of Ancient Wisdom	Motivational Lecture	Dr. TKV Raghavan, Professor-S&H,GCET	01-11-13
6	Marketing Skills Role and behavior of MBA students	Marketing Skills Enhancement	R.Srinivas, Consultant, Corporate Sales Trainer	23-10-13
7	Model Student & Campus Behavior	Student Campus Behaviour & Induction Prog. MBA	Prof. KS Rao,Professor-ECE,GCET	23-09-13
8	Importance of Management Education & importance of communication skills	Motivational Lecture & Induction Program MBA	Dr. ST Rajmohan Rao, Professor-Mech,GCET	23-09-13
9	Career Guidance	Career Planning and Employability	Mr. Rajesh, Finance Executive, HSBC, Hyd	26-08-13

### Academic Year 2012-13

S.No	Title	Event	Resource Person & Designation	Date
1	Project Preparation Skills	How to Prepare Project Report(Set objectives & Testing Hypotheses)	Angel Stock Broking Technology Solutions, Hyd	07-05-13
2	Soft Skills	Facing Interview & GD	Mr. Chandrasekhar, Head HR-K12 Technology Solutions, Hyd	28-03-13
3	Career Guidance	Selection of Electives and Employability	Mr. Rizwan, Finance Executive, Zenpact, Hyd	28-03-13
4	TQM	Guest Lecture	Dr. YVSCH Prasad	29-11-12
5	Investor Awareness Programme	Guest Lecture IAP	Dr. CS Reddy	16-11-12

b) **International** : NIL

### II. CSE Student participation

2014-15					
S.No	College	Nature of Contest (Paper contest/ Design contest/ Technical Quiz/ Paper Expo etc.)	Date(s)	Participants	Awards
1	GCET	Bhaswara-2k14 (Paper Presentation)	16 <sup>th</sup> & 17 <sup>th</sup> OCT, 2014	K.Ratan	2 <sup>nd</sup> Prize
2	GCET	Bhaswara-2k14 (Paper Presentation)	16 <sup>th</sup> & 17 <sup>th</sup> OCT, 2014	Bhavya	2 <sup>nd</sup> Prize
3	GCET	Bhaswara-2k14 (Paper Presentation)	16 <sup>th</sup> & 17 <sup>th</sup> OCT, 2014	Swarnalatha S	Participated
4	GCET	Bhaswara-2k14 (Paper Presentation)	16 <sup>th</sup> & 17 <sup>th</sup> OCT, 2014	Mounika N	Participated
5	GCET	Bhaswara-2k14 (Paper Presentation)	16 <sup>th</sup> & 17 <sup>th</sup> OCT, 2014	M Yamuna	Participated

		Presentation)	OCT,2014		
6	GCET	Bhaswara-2k14 (Paper Presentation)	16 <sup>th</sup> & 17 <sup>th</sup> OCT,2014	P Sumana	Participated
7	Vasavi College of Engineering	NEN(workshop)	29 <sup>th</sup> Oct,2014	KVVS SR Varun	Participated
8	Vasavi College of Engineering	NEN(workshop)	29 <sup>th</sup> Oct,2014	Shruthi Singh	Participated
9	Vasavi College of Engineering	NEN(workshop)	29 <sup>th</sup> Oct,2014	N.Prashanth	Participated
10	Vasavi College of Engineering	NEN(workshop)	29 <sup>th</sup> Oct,2014	M.Chatrapathi	Participated
11	Vasavi College of Engineering	NEN(workshop)	29 <sup>th</sup> Oct,2014	K.Niikhil	Participated
12	Vasavi College of Engineering	NEN(workshop)	29 <sup>th</sup> Oct,2014	Rahul Thakur	Participated
13	BVRIT, Narsapur	PROMETHEAN 2K14 (Paper Presentation)	18 <sup>th</sup> & 19 <sup>th</sup> March,2015	S.Sai Kumar	Participated
14	BVRIT, Narsapur	PROMETHEAN 2K14 (Paper Presentation)	18 <sup>th</sup> & 19 <sup>th</sup> March,2015	N.Naresh	Participated
15	BVRIT, Narsapur	PROMETHEAN 2K14 (Paper Presentation)	18 <sup>th</sup> & 19 <sup>th</sup> March,2015	K.Akhil	Participated
16	BVRIT, Narsapur	PROMETHEAN 2K14 (Paper Presentation)	18 <sup>th</sup> & 19 <sup>th</sup> March,2015	Likith Kumar Mallam	Participated
17	BVRIT, Narsapur	PROMETHEAN 2K14 (Paper Presentation)	18 <sup>th</sup> & 19 <sup>th</sup> March,2015	A.Aishwarya Reddy	Participated
18	BVRIT, Narsapur	PROMETHEAN 2K14 (Catch me if you can)	18 <sup>th</sup> & 19 <sup>th</sup> March,2015	S.Sailakshmi	Participated
19	BVRIT, Narsapur	PROMETHEAN 2K14 (Paper Presentation)	18 <sup>th</sup> & 19 <sup>th</sup> March,2015	A.Aishwarya Reddy	Participated
20	BVRIT, Narsapur	PROMETHEAN 2K14 (Black Code)	18 <sup>th</sup> & 19 <sup>th</sup> March,2015	S.Sailakshmi	Participated
21	BVRIT, Narsapur	PROMETHEAN 2K14	18 <sup>th</sup> & 19 <sup>th</sup>	A.Aishwarya Reddy	Participated

		(Black Code)	March,2015		
22	BVRIT, Narsapur	PROMETHEAN 2K15 (Project Expo)	18 <sup>th</sup> & 19 <sup>th</sup> March,2015	P.Sai Chowdary	Participated
23	CMR Technical Campus Kandlakoya	CMR Techno Carniv 2K15(Paper Presentation)	13 <sup>th</sup> & 14 <sup>th</sup> March,2015	Likith Kumar Mallam	Participated
24	CMR Technical Campus Kandlakoya	CMR Techno Carniv 2K15(Paper Presentation)	13 <sup>th</sup> & 14 <sup>th</sup> March,2015	M.Akhil	Participated
25	CMR Technical Campus Kandlakoya	CMR Techno Carniv 2K15(Paper Presentation)	13 <sup>th</sup> & 14 <sup>th</sup> March,2015	S.Sai Kumar	Participated
26	CMR Technical Campus Kandlakoya	CMR Techno Carniv 2K15(Paper Presentation)	13 <sup>th</sup> & 14 <sup>th</sup> March,2015	N.Naresh	Participated
27	Nalla Malla Reddy Engg College, Ghatkesar	Medhas 2K15 (Paper Presentation)	1 <sup>st</sup> April, 2015	S.Venkatesham	Participated
28	Anurag Group of Institutions	Aagama 2k15 (Paper Presentation)	19 <sup>th</sup> & 20 <sup>th</sup> March, 2015	S.Sai Lakshmi	Participated
29	Anurag Group of Institutions	Aagama 2k15 (Paper Presentation)	19 <sup>th</sup> & 20 <sup>th</sup> March, 2015	A.Aishwarya Reddy	Participated
30	Anurag Group of Institutions	Aagama 2k15 (Paper Presentation)	19 <sup>th</sup> & 20 <sup>th</sup> March, 2015	M.Sneha	Participated
31	Anurag Group of Institutions	Aagama 2k15 (Paper Presentation)	19 <sup>th</sup> & 20 <sup>th</sup> March, 2015	B.Swathi	Participated
32	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	Sai Kalyani Ch	Participated
33	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	V.Monisha	Participated
34	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	E.Naveen	Participated
35	St. PETER'S Engg. Coll	SPEFIESTA '15	2015	P.Sai Chowdary	Participated

	Hyderabad				
36	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	S.Venkatesham	Participated
37	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	V.Venkat Jayasur	Participated
38	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	A.Santhosh Kum	Participated
39	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	Maniratnam.R	Participated
40	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	Manisha.V	Participated
41	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	M.Induja	Participated
42	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	K.Bhavani	Participated
43	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	Sruthi	Participated
44	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	Sana Samreen	Participated
45	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	B.Shisilya	Participated
46	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	M.Sravani	Participated
47	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	Sai LAKshmi	Participated
48	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	Rohit	Participated
49	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	Sahiti	Participated
50	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	Sudheer	Participated
51	St. PETER'S Engg. Coll	SPEFIESTA '15	2015	Sneha	Participated



	Hyderabad				
52	St. PETER'S Engg. Coll Hyderabad	SPEFIESTA '15	2015	Aishwarya	Participated

### III. EEE Student participation

#### Academic Year 2014-15

S.No	College	Nature of Contest (Paper contest/Design contest/Technical Quiz/Paper Expo etc.)	Date(s)	No. of Participants	Awards
1	Anurag College Of Engineering	Texzellenz' 15 (Paper Presentation)	10 <sup>th</sup> & 11 <sup>th</sup> April, 2015	M.Vinod	3 <sup>rd</sup> Prize
		Texzellenz' 15 (Paper Presentation)		B.Nagaraj G.Hari Kishore Reddy	Participated
		Texzellenz' 15 (Project Expo)		S.Shilpa B.Kranthi Kumar	Participated
2	Amazon Web Services	Awesome DAY	7 <sup>th</sup> April, 2015	K. Naga Sai Varun	Participated
3	Gurunanak Institute Of Technology	Technofest – 2015 (Paper Presentation)	4 <sup>th</sup> Apri, 2015	G.Rajini	participated
4	St. Peter's Engineering College, Hyderabad	Specfiesta-15 (Paper Presentation)	26 <sup>th</sup> & 27 <sup>th</sup> March, 2015	M.Sreenath M.V.Sandeep Kumar P.K.V.N. Sai Kiran K. Keerthy G.Nikhitha Chandralekha N.Anjaneyulu K.Hareesh Ch. Vamsee Krishna	participated

5	Cvr College Of Engineering & Embedded RF Technologies	Workshop On Gesture Controlled Robot	17 <sup>th</sup> & 18 <sup>th</sup> March, 2015	CH.VAMSEE KRISHNA	Participated
6	Jawaharlal Nehru Technological University, Hyderabad	Pragnya 2015 (Paper Presentation)	11 <sup>th</sup> & 12 <sup>th</sup> March, 2015	M.Devi Vara Prasad Surya Vamsi K. Harikha Hari Shankar Sarma D.Sree Kalyani	Participated
		Pragnya 2015 (Project Presentation)		K.Prashanthi K.Sai Kiran	Participated
		Pragnya 2015 (Workshop)		B.Charan Sk. Nisar Ahmed	1 <sup>st</sup> Prize
				M.Devi Vara Prasad K. Sai Kiran	Participated
7	Sphoorthy Engineering College	Prazasti-2k15	7 <sup>th</sup> & 8 <sup>th</sup> March, 2015	V.Tejaswini	Participated
8	Vnr Vignana Jyothi Institute Of Engineering & Technology	Sports Fest(Basket Ball)	3 <sup>rd</sup> & 4 <sup>th</sup> March, 2015	Mukesh	Participated
		Sports Fest(Kabaddi)		Maniratnam Praveen	3 <sup>rd</sup> Prize
9	Gitam University	Pramana (Techno Amusement)	9 <sup>th</sup> & 10 <sup>th</sup> Feb, 2015	A.Akhila K. Shruthi	Participated
10	Holymary Group Of Institutions	Sports Amalgam	3 <sup>rd</sup> to 6 <sup>th</sup> February, 2015	N.Anjaneyulu K. Hareesh P. Rachith Manihar P.Sai Charan Rao	Participated
11	Andhra Hackers (Indian Cyber Warriors)	Workshop On Cyber Security & Malware Analysis	2 <sup>nd</sup> to 4 <sup>th</sup> January, 2015	P.Sai Charan Rao Ch. Vamsee Krishna	Participated
12	Vivekananda Institute	Youth Convention	8 <sup>th</sup> and	G.Sunil Kumar	participated

	Of Human Excellence		10 <sup>th</sup> January, 2015	N.Anjaneyulu B.Sahasaveera K.Hareesh B.Sai Varma P.Rachith Manihar	
13	Sreenidhi Institute Of Science And Technology	Bachpan Bachao	3 <sup>rd</sup> Aug, 2014	G.Sunil Kumar	Participated

#### Academic Year 2013-14

S.NO.	EVENT NAME	ORGANIZATION	NO. OF STUDENT/NAMES	REMARK
1	ELOCUTION COMPETITION	STANLEY COLLEGE OF ENGG&TECH FOR WOMEN	S.B. YASASWINI	THIRD
2	MECHATRONICS	MSME-TOOL ROOM, HYDERABAD CENTRAL INSTITUTE OF TOOL DESIGN	M. SREENATH	Participation
3	TECHSONANCE 2014	DEPARTMENT OF ELECTRICAL ENGINEERING UNIVERSITY COLLEGE OF ENGINEERING(A)-OU	GAJULAPATI RAJINI	Participation
4	PROJECT TRAINING	NANOBRIGHT SOLAR TECHNOLOGIES PVT. LTD.	M.V. SANDEEP KUMAR	Participation
5	TECH SAMPRATHI 2K14	SCHOOL OF ENGINEERING,NNRG	M. HEMANTH KUMAR	Second
6	INTERNSHIP	GUTS ELECTROMECH LTD.	ANIRUDH BICHAL	Participation
7	INPLANT TRAINING	NUCLEAR FUEL COMPLEX	B. RAJARAM	Participation

8	PROJECT WORK	NUCLEAR FUEL COMPLEX	G. PRANEETH	Participation
		NUCLEAR FUEL COMPLEX	M. ANITHA	
9	INPLANT TRAINING	CENTRAL INSTITUTE OF TOOL DESIGN	M. SREENATH	Participation
10	WALK FOR A CAUSE	BACHPAN BACHAO AT SNIST	B. ANIRUDH	Participation
			M. PRANAY KUMAR	
			G. PRANEETH	
			VENKATESH	
11	SAMHITA 2K13	SREE DATTHA INSTITUTE OF ENGINEERING & SCIENCE	M.V. SANDEEP KUMAR	First
12	YANTHROSTHAV2K14	NARSIMHA REDDY ENGINEERING COLLEGE	P. VAMSHI KRISHNA	Participation
			PAVAN KUMAR	
			ADITYA	
13	ELECSPIRE-2K14	JOGINAPALLY B.R. ENGINEERING COLLEGE	M. CHANDRA SHEKAR	Participation
14	AVAZYA 2K14	CMR ENGINEERING COLLEGE	P. NAVEEN VARMA	Participation
15	SPARDHAA'14	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	PRATYASHA MISHRA	SECOND
			K.A. GIRISH KUMAR NAIK	SECOND
16	SHAASTRA 2014	IIT MADRAS	P VAMSHI KRISHNA	second
			VAMSHI KRISHNA	Participation
			P. VAMSHI KRISHNA	

17	WORKSHOP	SRIDEVI WOMEN'S ENGINEERING COLLEGE	K. SREENIJA	Participation
18	PROMETHEAN 2K14	PADMASRI Dr. B.V. RAJU INSTITUTE OF TECHNOLOGY	K. SOWJANYA	Participation
			B. SUNITHA	
19	TECHSONANCE 2014	UNIVERSITY COLLEGE OFL ENGINEERING-OU	T.NAGARAJU	Participation
20	ELECSPIRE2014	JOGINAPALLY B.R. ENGINEERING COLLEGE	T. NAGARAJU	Participation
21	ELYSIUM2K14	HOLY MARY GROUP OF INSTITUTIONS	P. GIRI PRASAD	Participation
			G. SUSHEELA	
			G. SWATHI	
			S.B. YASASWINI	
			S. BHARATH KUMAR	First
			S. SWATHI REDDY	Participation
			T.MOUNIKA	
			PSH. SHALINI	
			RAJU	
			B.RAJARAM	
			P.VINEELA	
			A.MOUNICA	
			Y.MADHURI	
			M.LEELAVATHI	
DEVA DUTT				
K.RENUKA				
			M.CHANDRASEKHAR	Participation
			B.SUNITHA	
			SUSHEELA	
			V.ARUNA	

22	PRAGMA 2K14	TIRUMALA ENGINEERING COLLEGE	P.PRASHANTH	First
			M.PRANAY	Participation
			P.BHAVANI	
			G.NARESH KUMAR	
			PAVAN KUMAR	
			D.ADITHYA	
			T.S.ABHILASH	
			ANIRUDH	First
			P.SHALINI	Participation
			S.B.YESASWINI	
			B.RAJARAM	
			ABIDA	
			S.BHARAT KUMAR	
			V.MAHATI	
			B.HARI HARAN	
			P. VAMSI KRISHNA	
			T.VENKATESH	
			S.AVINASH	
			M.HARITHA	
VIJAY				
B.ARCHANA				
23	TECHNOSMEC 2K14	ST. MARTIN'S ENGINEERING COLLEGE	B.ARCHANA	Participation
			K.SOWJANYA	Second
			B.PRASHANT	Second
			G.SANDEEP KUMAR	Second
			K.SRIKANTH	Second
			G.NARESH KUMAR	Third
			T.VENKATESH	Third
			D.HARIHARAN	Third
			B.PRASHANT	Second
			M.ANITHA	Third

24	FORZA 2K14	TIRUMALA ENGINEERING COLLEGE	G. SANDEEP KUMAR	First
			HARISH	CONSOLATION
			A.MOUNICA	SECOND(PPT)
			Y.MADHURI	
			P.VINEELA	
			CH.RAMESH	THIRD(PPT)
			K.RAMYA SRI	
			T.SATVIKA	
25	ELAN 2014	ARK TECHNOSOLUTIONS & IIT HYDERABAD	K.A.GIRISH KUMAR	PARTICIPATED IN WORKSHOP
			M.V.SANDEEP KUMAR	
			MD.VAZIR.RUMAN	
			CH.HEMA REDDY	
			K.KEERTHI	
			M.SUMANTH REDDY	
			N.SURESH	
			E.SURAJ	
			PRATHYASHA MISHRA	
			M.SRIKANTH	
			K.NAGENDRA BABU	
			P.K.V.N.SAI KIRAN	
			G.NIKITHA CHANDRA LEKA	

**Academic Year 2012-13**

S.NO.	EVENT NAME	ORGANIZATION	NO. OF STUDENT/NAMES	REMARK
1	PEARL'13	BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE PILANI HYDERABAD	PRATYASHA	Participation
2	VERBA MAXIMUS'12	BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE PILANI HYDERABAD	PRATYASHA MISHRA	FIRST
3	FUTURE SASTRA'13	MALLAREDDY ENGINEERING COLLEGE FOR WOMEN	P. BHAVANI	Participation
			M. HARITHA	
			K. RAMYA SREE	
			T. MOUNIKA	
			S. SWATHI REDDY	
			S.B. YASASWINI	
4	CONNAISSANCE'13	MECHANICAL ENGINEERING ASSOCIATION, JNTUH-CEH, HYDERABAD	N. SAMPATH	Participation
5	ILLUMINATE-2K13	CMR INSTITUTE OF TECHNOLOGY	K.A. GIRISH KUMAR	Participation
6	VERBA MAXIMUS'13	BITS PILANI, HYDERABAD CAMPUS	M.V SANDEEP KUMAR	Participation
			D. SANJANA	
			PRATYASHA MISHRA	THIRD
7	TECHNO CALTURAL FEST	SAI-SUDHIR INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN	A.NAGA SRAVYA	Participation



8	PRAGNYA 2013	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD	A.NAGA SRAVYA	SECOND
9	TECHSONANCE 2013	DEPARTMENT OF EEE UNIVERSITY COLLEGE OF ENGINEERING(A),O U	A.NAGA SRAVYA	Participation
10	TECHNOSMEC 2K13	ST. MARTIN'S ENGINEERING COLLEGE	A.NAGA SRAVYA	FIRST
11	INDIA APP FEST 2013	MICROSOFT CORPORATION (INDIA) PVT. LTD.	T VENKATESH	Participation
			D HARIHRAN	
			M.V SANDEEP KUMAR	SECOND
			A.NAGA SRAVYA	FIRST
12	FURCATEZ'12	MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE	ANIRUDH BICHAL	FIRST
13	CYBORG-THE ROBOTICS WORK SHOP	KYRION ROBOTICS CLUB AT MAHATMA GANDHI INSTITUTE OF TECHNOLOGY	M. SUMANTH REDDY	Participation
			M.V. SANDEEP	
14	TRAINING	DEPARTMENT OF ATOMIC ENERGY GOVERNMENT OF INDIA	ANIRUDH BICHAL	Participation
15	MAGISTECH 2012	MAHATAMA GANDHI INSTITUTE OF TECHNOLOGY	M. LEELAVATHI	Participation

**Medical assistance to students: Health Centre, Health Insurance etc.**

- Geethanjali College of Engineering and Technology has an in-house Medical Centre/ Dispensary and has a fulltime staff nurse to provide medical assistance to students and staff in need.
- In case of emergency, an ambulance with oxygen cylinder and a stretcher is available in the college campus. In special cases, the college bears all medica 1

expenditure.

- Free general health check up camp was organized by the college for students and faculty members.
- First Aid Boxes are provided in every department, college buses, staff rooms and in the NSS and NCC offices and Physical Education Department.
- Medical check – up camps are conducted for students and teachers under the leadership of NCC.
- Awareness Classes on a healthy life style were organized.
- Emergency medical care can be obtained at any of the following Hospitals located 5 kms to 10 kms away from the college
- Vijaya Hospital : 5 KMs
- Xenia Hospital : 10 KMs
- Tulasi Hospital : 9 KMs
- Polumi Hospital: 12 KMs
- The college Ambulance can be arranged to move the patient to any of the above listed Hospitals within 10-20 Mins.
- The facilities available in the college for medical assistance are:
  - Nursing staff : 1
  - First aid kits : 20 (distributed at various department labs)
  - No. of beds : 4
  - No. of stretchers : 1
  - Ambulance with Oxygen Cylinder and Stretcher
  - Other accessories like B.P Apparatus, Tablets, Ointments, cotton and bandage.

**Performance enhancement for slow learners / students who are at risk of failure and dropouts:**

**Organizing coaching classes for competitive exams**

- Geethanjali College of Engineering and Technology has a dedicated department which takes care of Training and Placements of our students.
- The training and placement division is called CACHE (**Centre for Advancement of Career and Human Excellence**).

- The training imparted to students from their first year till they are placed is aimed at shaping the individuals into not just employable but to be an asset to their employers.
- Various innovative methods of teaching are implemented to make learning an enjoyable experience for the students.
- The run of the mill syllabus completion classes are a contrast to what happens at CACHE.
- A special syllabus is planned keeping in view the industry requirements and constraints of regular syllabus.
- The focus of training is on Communication Skills, Aptitude, and Soft Skills, developing the confidence of students, improving their body language, inculcating creativity and into making them responsible individuals.
- A special collection of books is maintained at CACHE to attract students to books and to cultivate and nurture the a healthy habit of reading.

**Skill development (Spoken English, computer literacy, etc.,)**

- The college has a tie-up with a leading training institute - Triumphant Institute of Management Education (**TIME**).
- **TIME** conducts two sessions a week for each class through the semester.
- The training module covers areas of
- Functional grammar in standard English and Tips on improvement of Vocabulary
- Listening skills
  - Speaking skills
  - Public Speaking
  - Effective Writing
  - College provides **BEC** (business English certificate) and foreign language (French, German etc.,) classes to enhance speaking skills.
  - College also providing **ELCS**(English Lab Communication Skills), **AECS**(Advanced English Communication Skills) lab speaking & writing activities
  - The programme is designed to be interactive so as to generate and sustain interest of the participants.
  - **Support for “slow learners”**
  - Slow Learners are identified from the performance of the internal

assessment and necessary remedial classes are conducted to them.

- Extra Labs are conducted for slow learners to have more practical view of the courses they learn.
- Additional Experiments are conducted for all the students to emphasize the importance of practical knowledge.
- Tutorial sessions also help them. So also Bridge courses.

➤ **Exposures of students to other institution of higher learning/  
Corporate / business house etc.**

- Guest Lectures are organized and Course Experts from other institutions of higher learning/ corporate/business house are invited to provide exposure to students on the latest trends.
- Students attend seminars, conferences and workshops conducted by other institutions namely, BITS - Hyderabad campus, IIIT – Hyderabad, IIT – Hyderabad, OU CoE, JNTUH CoE, etc.
- Entrepreneurship Development Cell of the college provides opportunity to collaborate with various corporate houses on various aspects of Entrepreneurship.
- The students of many departments conduct industrial visits and field trips to different industries in and around Hyderabad. Recently EEE dept. has been conducted an industrial visit.
- The students get opportunities to interact with invited speakers in the College during Guest Lectures.
- The pre-final year and final year students do their respective mini and major projects in industries.

**Publication of student magazines**

- The College has Technical Magazine “**Innovation**” published half yearly.
- **Innovation** provides an opportunity for the students to bring out their creative skills. Every Fortnight, departments publish Individual News Letters, highlighting various activities in the department, Student and Faculty achievements.
- The articles are contributed by the students and faculty.
- The selected articles are published in the magazine under the supervision of the college editorial board.
- Through the magazine the activities of the college are made known to alumni and others.

**5.1.9 Does the College provide guidance / coaching classes for Civil Services, Defense Services, NET/SLET and any other competitive examinations? If yes, what is the outcome?**

Yes, college provides coaching classes like,

- CRT(Campus Recruitment Training)
- CACHE (Centre for Advancement of Career and Human Excellence).

Based on these coaching classes, students get awareness about all other competitive exams

**5.1.10 Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as**

- **additional academic support, flexibility in examinations**
- **special dietary requirements, sports uniform and materials**
- **any other**

**SPORTS:**

1. Spacious play grounds are available in the campus for the students to play sports
2. Indoor games room is available for the students to play various indoor games.
3. Buses are provided to students who stay late in the evening.
4. Sports uniforms (GCET T-shirts) are provided to the students.
5. Free sports kit is provided
6. Two PDs guide students by providing necessary sports material and make the students to participate various competitions.

**Flexibility in examinations**

- College conducts CBT exam to those students who participate in various a recognized events and sports

**EXTRA CURRICULAR ACTIVITIES:**

- In the college, NSS unit, Environmental Club and Fine arts and Cultural Club and other units are available to take up extra curricular activities.

The NSS unit was started in our college in the academic year 2008-09 with around 250 volunteers.

**NSS Activities for Academic Year 2016-17**

- Sensitization Campaign on Digital India and Cashless Economy was held at Cheeryal Village on **24/12/2016**.
- Awareness Campaign on Cancer and its Impact was conducted at GCET campus and Stem cells has been collected to support cancer patients on **10/9/2016**.

- Dust free Hyderabad campaign was conducted at Secunderabad in association with Lokashemam Foundation and GHMC on 9/9/2016.
- “Telangana Harithaharam” an initiative by Govt. of Telangana for promoting tree plantation was conducted at GCET Campus on 11/8/2016.
- Distribution of Stationary to Primary and high schools and motivating the school students for continuing the education on 7/8/2016.
- Imparting basic computer education and awareness of environmental safety mechanisms to the Govt School Children of Yadgarpally Village on 18/7/2016 – 22/7/2016.
- International Day of Yoga Celebrations was conducted by NSS Unit of GCET on 21/06/2016.

**List of NSS Volunteers for the Academic year 2016-2017**

S.N O	NAME	ROLL NUMBER	BRANCH/Y EAR	CONTACT NUMBER	EMAIL ID
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#### **NSS Activities for Academic Year 2015-16**

- Health camp was conducted for cheeryal villagers at GCET on 26/03/2016.
- Special Camp at Kolanupaka Village, Alair Mandal on 22/02/2016 to 28/02/2016.
- Dental camp was conducted for Cheeryal villagers and school children on 23/01/2016.
- Blood donation camp was conducted by NSS Unit at GCET on 19/12/2015.
- Environmental Awareness programme was conducted by NSS Unit at GCET on 07/11/2015.
- Distribution of Stationary to Primary and high schools and motivating the school students for continuing the education on 27/07/2015.

**NSS Activities for Academic Year 2014-15**

- Swacch Bharat Mission– Cleanliness Program, initiated by Honorable Prime Minister was conducted at college campus on 1<sup>st</sup> Nov 2014. In this event Chairman, Principal, Dean, all the Department Heads, faculties and students took part to make the event successful.
- A Dental camp was organized for the Villagers in Cheeryal village in the college campus in collaboration with KJS Dental Care on 20-09-2014.
- Actively participated in an event called “*Bachpan Bachao*” an India based movement campaigning for the rights of children on 03-08-2014.
- Books and stationery were collected from the staff and students of our college and were distributed to the students of Primary School, Harijanavada School of Cheeryal village on 11-07-2014
- Toys were purchased from the funds raised by staff and students and were given to Anganwadi School Children.
- A Computer Training program was conducted by Mr.V.N.L.N.Murthy & Mr.M.Chaitanya Krishna Reddy, faculty of CSE Dept, to the students of Cheeryal Village High School on Aug 11<sup>th</sup>, 12<sup>th</sup>, 18<sup>th</sup> & Sep 1<sup>st</sup>, 2<sup>nd</sup> 2014

**NSS Activities for Academic Year 2013-14**

- Blood donation camp was conducted on 21-9-2013.

Blood donation camp photos

**ఇంజనీరింగ్ విద్యార్థులు రక్తదానం**

కీసర, సెప్టెంబర్ 21 (టీ మీడియా): విద్యార్థులు స్వచ్ఛందంగా ముందుకొచ్చి రక్తదానం చేయడం చాల అభినందనీయమని గీతాంజలి ఇంజనీరింగ్ కళాశాల సెక్రటరీ జి.రవీందర్ రెడ్డి పేర్కొన్నారు. మండల పరిధిలోని గీతాంజలి ఇంజనీరింగ్ కళాశాలలో జూబ్లీహిల్స్ కు చెందిన లయన్స్ క్లబ్ ఆధ్వర్యంలో రక్తదాన శిబిరాన్ని నిర్వహించారు. ఈ శిబిరంలో గీతాంజలి ఇంజనీరింగ్ కు చెందిన పలువురు విద్యార్థులు రక్తదానం చేశారు. కార్యక్రమంలో కళాశాల ప్రెసిడెంట్ డాక్టర్ ఉదయకుమార్, సోమశేఖర్, ఎన్ఎస్ఎస్ కో-ఆర్డినేటర్లు సుభద్ర, రవీలతో పాటు పలువురు ఇంజనీరింగ్ విద్యార్థులు పాల్గొన్నారు.



రక్తదానం చేస్తున్న విద్యార్థులు

**గీతాంజలి కళాశాలలో రక్తదాన శిబిరం**

చీర్యాల (కీసర): ప్రాణాపాయ స్థితిలో ఉన్న వారిని ఆదుకునేందుకు రక్తదానం ఎంతో అవసరమని చీర్యాల గీతాంజలి ఇంజనీరింగ్ కళాశాల కార్యదర్శి జి రవీందర్ రెడ్డి పేర్కొన్నారు. శనివారం చీర్యాలలోని కళాశాలలో లయన్స్ క్లబ్ ఆఫ్ జూబ్లీహిల్స్ ఆధ్వర్యంలో రక్తదాన శిబిరం నిర్వహించారు. 250 మంది ఇంజనీరింగ్ విద్యార్థులు స్వచ్ఛందంగా ముందుకు వచ్చి రక్తదానం చేశారు. కళాశాల ప్రెసిడెంట్ ఉదయకుమార్, డీన్ సోమశేఖర్, ఎన్ఎస్ఎస్ సమన్వయకర్త సుభద్ర, రవీలతో పాటు అధ్యాపకులు విద్యార్థులు పాల్గొన్నారు.

- Providing school items to the poor children
- Conducted Tree Plantation Programme on 06-10-2013.

**NSS Activities for Academic Year 2012-2013:**

- The NSS unit of the college has conducted two blood donation camps (05-01-2013 & 13-04-2013). Around two hundred volunteers donated blood in each camp.
- The unit also organized a health camp to the benefit of villagers of Cheeryal village. Around 180 villagers were benefited by the camp on the days of 25-08-2012 and 06-09-2012.
- Books and stationery were collected from the staff and students of our college and were distributed to the students of Primary School, Harijanavada School of Cheeryal village on 10-08-2012.
- NSS volunteers planted trees in and around Cheeryal village on 06-10-2013.
- Conducted Computer Training Programme for High School Students from 12-12-2012 to 15-12-2012.
- Observed Non-violence Day and Peace on 04-10-2012

The NSS Committee members are:

S.No	Name of the Staff S/ Sri / Smt.	Designation	Department	Position
1	Y.V.N Phani kishore	Asst. Professor	CSE	Program Officer
2	S. Ramajeneyulu	Asst. Professor	CSE	Member
3	H. Swaraj Bharath	Asst. Professor	CSE	
4	Y. Chandramouli	Asst. Professor	CSE	
5	J. Bharathi	Asst. Professor	ECE	
6	M. krishna	Asst. Professor	ECE	
7	A. Ramesh	Asst. Professor	S & H	
8	M. Raju	Asst. Professor	S & H	
9	M. Pradeep	Asst. Professor	EEE	
10	G. Nithin kumar	Asst. Professor	CIVIL	
11	U. Srikanth	Asst. Professor	MECH	
12	K. Naupal Reddy	Asst. Professor	MBA	

Prof.KSomasekhara Rao-Dean Student affairs & Ms.N Subhadra-Asst Professor-S&H are identified as Advisors for various NSS Activities.

## **ENVIRONMENTAL CLUB (ECO-CLUB)**

- An “Environmental club” was formed in the college in 2009. Eco club, as a part of Adhira foundation has been organizing many eco-friendly events from 2011.
- The committee works towards creating awareness on the hazards of environmental pollution among the students and involving them in tasks to minimize wastage of water, usage of plastics and increase of green cover.
- The club’s motto is “Geethanjalites Go Green (GGG)”.

### **Eco club activities (2016-17)**

- Plantation program in college premises by staff on 13-7-2016
- Plant distribution to the staff and students on 13-7-2016
- Mud Ganesh idols distribution to all the faculty members (teaching and non-teaching) under Buddha Purnima project by Rotary club of Hyderabad on 4-9-2016.

### **Eco club activities (2015-16)**

- Mud Ganesh idols distribution to all the faculty members (teaching and non-teaching) under Buddha Purnima project by Rotary club of Hyderabad on 9-9-2015.
- Geethanjali nursery opening on 9-10-2015

### **Eco-Club 2014-15**

- Clay Ganesh idols distribution to all the faculty members (teaching and non-teaching) under Buddha Poornima project by GHMC.
- Awareness program has been conducted in the government schools of cheeryal village on cleanliness and hygiene in Divine Grace School and Govt. high school in Cheeryal village.
- Clean and Green activity in and around the college premises as a part of “Swacch Bharath” on 01.11.2014.

### **Eco-Club: 2013-14**

- Distribution of eco-friendly Ganesha to all faculty (teaching & Non-teaching) and drivers.
- Environmental awareness program has been held on 10.10.2013 and 11.10.2013.

### **Eco-Club: 2012-13**

- In the month of September 2012 and 2013, clay Ganesha idols were distributed to all the faculty members in order to create awareness about the dangerous effects of plaster of paris when mixed with water.
- In the year 2012 plantation program was organized in cheeryal village and planted about

100 saplings.

- Conducted awareness program in which students prepared PPT on environment protection and cleanliness in schools of Cheeryal village and that was a huge success.
- Active participation of 50 students from our college as volunteers for 10K run organized by “Prakrithi Mithra” for COP-11 Conference.

The Environmental club members are:

S.No.	Name of the Staff Member S/ Sri / Smt.	Position
1	Prof. K Somasekhara Rao, Dean Academics	Chairman
2	K Sai Anusha Asst Prof. S&H	Coordinator
3	P Mercy Kavita Assoc. Prof. S&H	Member
4	N.Subhadra, Assoc. Prof. S&H	Member
5	B.Mamatha, Asst Prof. S&H	Member
6	Pratheeksha III Year ECE 12R11!0494	Student Member
7	Venkatesh – III year CSE 12R11A05D3	
8	Sravani – IV year IT 11R11A1299	
9	Bhavya II year ME 13R11A0301	
10	Harishankar II Year EEE 13R11A0216	

#### 5.1.11 Does the College have an institutionalized mechanism for placement of its students?

**What services are provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?**

Yes.

Services provided to help students to identify job opportunities., prepare themselves for interviews:

CACHE (Center for Advancement of Career & Human Excellence) department of the college is responsible for Career Guidance, Training and Placement and Entrepreneurship development. It is a unique initiative of Geethanjali.

Its features are

- Deals with Career Guidance, Training, Placements and Entrepreneurship
- With the intention of enhancing the students understanding of employability.
- Training imparted to students from their freshman year.

- Trained to be an asset to their employers.
- Various innovative methods of teaching are implemented
- A special syllabus is planned keeping in view the industry requirements and constraints of regular syllabus.
- Focus is on Communication Skills, Aptitude, and Soft Skills, developing the Confidence of Students, improving their Body Language, inculcating Creativity and into making them responsible individuals.
- A special collection of books is maintained at CACHE to draw students to books and the healthy habit of reading.
- Forging fruitful and mutually beneficial linkages with industries and professional organizations
- Getting live projects as well as providing placement assistance to its students.
- By organizing guest lectures and seminars.

CRT (Career Recruitment Training) department of the college is responsible for Career Guidance and Training by the TIMES Institute.

Its features are

- Deals with Career Guidance and Training, with the intention of enhancing the students understanding of employability.
- Focus is on Communication Skills, Aptitude, and Soft Skills, developing the Confidence of Students
- Special training given to the students to prepare for the interviews in the MNCs and Level 5 companies:
- Special training is arranged for the 3<sup>rd</sup> year students who are about to face placements by Experts who have skills in these areas. Four periods in a week is allotted in the regular class time-table for this training.

Services provided to develop entrepreneurship skills:

- In this regard, efforts are put in from the institution side and also with the help of National Entrepreneur Network to improve skills for development of Entrepreneurship skills.
- NEN supports in terms of conducting student and faculty workshops on various topics ranging from the basic awareness to investments.
- The institution encourages activities like setting up a campus enterprise and other real time interactive mentoring sessions with entrepreneurs.
- The e-cell of Geethanjali College of Engineering and Technology “Idea Dimension” is

encourage members from all the branches of UG & PG programs to join in NEN.

- To promote Entrepreneurship spirit among the student community, the college established Entrepreneurship Development Cell (EDC) funded by AICTE.
- College received a grant of Rs. 4.5 lakhs both recurring and non-recurring for a duration of 4 years.
- This cell creates awareness of need and importance of entrepreneurship as career option among the students thereby strengthening their entrepreneurship skills.
- The EDC cell organizes awareness programmes on Entrepreneurship and Intellectual Property Rights.
- In this way, NEN helps students to become an Entrepreneur.

**5.1.12 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus annually for the last four years).**

**Number of students selected during the campus interviews by different employers:**

<b>Academic year</b>	<b>No. of Companies visited</b>	<b>Total placement</b>	<b>ECE</b>	<b>CSE</b>	<b>IT</b>	<b>EEE</b>	<b>Mech</b>	<b>MBA</b>	<b>MCA</b>
2011-12	20	146	35	37	22	46	-	4	2
2012-13	69	317	94	80	67	11	-	60	5
2013-14	27	206	59	56	38	45	-	8	-
2014-15	47	267	75	51	68	27	32	14	-
2015-16	47	360	118	113	74	21	28	06	-
2016-17	25	361	133	128	32	11	45	12	-

Academic Year	No. of Companies Visited	No. of Students Selected	No. of Eligible students - 60% and above	Branches	Range Of CTC (Highest to Lowest)	Overall Placement Percentage
2011-12	20	146	250	B-Tech , MCA, MBA	Rs 3.65 LPA – Rs 1.50 LPA	58.4
2012-13	69	317	450	B-Tech , MCA MBA	Rs 4.25LPA - 1.2 L PA	70.44
2013-14	27	206	325	B-Tech, MCA MBA	Rs 3.95LPA - 1.6LPA	63.4
2014-15	47	267	350	B-Tech, MBA	Rs 6.00LPA- 0.96PA	76.3
2015-16	47	360	435	B-Tech MBA	Rs 4.30LPA- 0.84LPA	<b>82.7</b>
2016-17	25	361	494	B-Tech , MBA	Rs.4.00LPA- 1.80LPA	<b>73.06</b>

**List of companies visited the campus:**

➤ **For Academic Year 2012-2013**

S.No.	Name of The Company	No. of Selections	Date of Interview
1	EXL INFOTEL	18	16th,17th-NOV-2012
2	YASH TECHNOLOGIES	9	6-Dec-12
3	CODE SEMANTICS	12	7-Dec-12
4	OSMOSYS	13	8TH-DEC-2012
5	APPS ASSOCIATES	8	17,18-DEC-2012



6	LUMOS SOFTWARE SOLUTIONS PVT. LTD.	4	21-Dec-12
7	MAGNAQUEST TECHNOLOGIES LTD	1	3rd,4th JAN-2013
8	BILLS 'N' TICKETS TECHNOLOGY SOLUTIONS	4	15-Feb-13
9	ADP	0	18-Jan-13
10	FINANCIAL SOFTWARE SYSTEMS	5	26th JAN-2013
11	ADDAXIE TECHNOLOGIES	17	1ST,2ND,17-FEB-13
12	NTT DATA	4	21st,23rd-Feb-13
13	VIJAI ELECTRICALS	0	25th-Feb-13
14	DRISHTI SOFTWARE SOLUTIONS	0	5th-March-13
15	INFOBRAIN TECHNOLOGIES	4	15th-March-13
16	K12 TECHNO SERVICES PRIVATE LTD.	12	28th-March-13
17	IBM (OFF CAMPUS)	0	31th-March-13
18	BETA SOFT SYSTEMS PVT. LTD.	14	13th-April-13
19	RIKTAM TECHNOLOGIES	0	9th-April-13
20	IQ CHANNELS PVT. LTD.	2	20th-April-13
21	IBM (ON CAMPUS)	1	23rd-April-13
22	JP INNOVATIVE BEACONS PVT.LTD.	13	16th-May-13
23	ARYAKA NETWORKS	1	16th-May-13
24	MAHINDRA SATYAM	2	18th-May-13
25	SITEL	7	18th-May-13
26	POLARIS	10	18th-May-13

27	PANTERRA NETWORKS	0	19th-May-13
28	IN10S TECHNOLOGIES	2	21st-May-13
29	GOOGLE	1	22nd-May-13
30	INVESCO	2	8th-June-13
31	UNISTRING SOLUTIONS TECH PVT. LTD.	4	22nd-June-13
32	AGS TECHNOLOGIES	2	29th-June-13
33	OPTIMA INTEGRATED COMPUTER SOLUTIONS LTD.	32	10th-July-13
34	KTREE COMPUTER SOLUTIONS INDIA LTD.	0	23rd-July-13
35	INVESCO (ON CAMPUS)	1	12th-Aug-13
36	AISHWARYA TECHNOLOGIES & TELECOMS PVT. LTD.	1	13th-Aug-13
37	TRAINZ PVT LTD	1	15th-Sept-13
38	PINNACLE GENERATORS	3	17th-Sept-13
39	REVA SOFT SYSTEMS Ltd.	1	17th-Sept-13
40	SONY INDIA	3	19th-Sept-13
41	OXFAM	4	19th-Sept-13
42	PRIYA INDUSTRIES	3	19th-Sept-13
43	GISL	0	19th-Sept-13
44	EPITOME	1	19th-Sept-13
45	LOGIC ERP	0	19th-Sept-13
46	ICICI	14	19th-Sept-13
47	RELIANCE	12	19th-Sept-13
48	STERLING TELECOM	1	19th-Sept-13
49	MAQ SOFTWARE	1	20th-Sept-13
50	MULTIPLIER SOLUTIONS	1	23rd-Sept-13
51	VIRTUSA Ltd.	1	26th-Sept-13

52	INTERGLOBE TECHNOLOGIES	0	18th-Oct-13
53	TECH MAHINDRA	21	10th-Oct-13
54	DARK HORSE TECHNOLOGIES	0	23rd-Oct-13
55	SYNTEL	5	26th,27th-Oct-13
56	AXIS BANK	0	29th-Oct-13
57	COGNIZANT TECHNOLOGY SOLUTIONS	15	7th-Nov-13
58	VIRTUSA Ltd. (Off Campus)	2	12th-Nov-13
59	CGI INFORMATION SYSTEMS	0	18th-Nov-13
60	MAQ SOFTWARE	0	22nd-Nov-13
61	HUAWIE TECHNOLOGIES	0	25th-Nov-13
62	ACCENTURE	12	1st-Dec-13
63	L&T INFOTECH	5	1st-Dec-13
64	CAPGEMINI	1	2nd-Dec-13
65	INFOSYS	4	27th-Jan-14
	<b>TOTAL</b>	<b>317</b>	

➤ **For Academic Year 2013-2014**

S.No.	Name of The Company	No. of Selections	Date of Interview
1	DARK HORSE TECHNOLOGIES	3	23rd-Oct-13
2	NTT DATA	3	23rd-Dec-13
3	MULTIPLIER SOLUTIONS	6	28th-Dec-13
4	ADP	1	30th-Dec-13
5	BISLERI PVT. LTD.	10	4th-Jan-14
6	INRHYTM SOLUTIONS	3	7th-Jan-14

7	TECH MAHINDRA	55	20th-Jan-14
8	INRHYTHM SOLUTONS	2	22th-Jan-14
9	SEA WORLD MARITIME PVT LTD	31	27th-Jan-14
10	GENPACT	15	7th-March-14
11	TCS	2	8th-March-14
12	KTREE COMPUTER SOLUTIONS	2	18th-March-14
13	TERADATA	5	19th-March-14
14	AMAZON DEVELOPMENT CENTRE	3	6th-April-14
15	OPEN TEXT CORPORATION	2	11th-April-14
16	ACCRETE GLOBUS TECHNOLOGY	2	12th-April-14
17	DATA 64 CYBER SOLUTIONS	4	16th-April-14
18	COGNIZANT	11	19th-April-14
19	CADSYS INDIA Ltd.	13	6th-May-14
20	PRIYA INDUSTRIES	10	12TH-MAY-14
21	GOOD THROUGH	4	5th-june -14
22	XWITH	8	16TH-JUNE-14
23	CMC ltd	4	
24	UNIVERSAL HUNT	2	
	<b>TOTAL</b>	<b>198</b>	

➤ **For Academic Year 2014-2015**

S.No	NAME OF THE COMPANY	Date	CANDIDATES SELECTED
1	FCS Tech Systems	3/10/2014	0
2	ZEN technologys	06/10/204	0
3	Inrythm	10/10/2015	0
4	Mphasis	9/10/2014	18
5	Zenophysys	31/10/2014	6

6	Osomsys	1/11/2014	9
7	Zevan Technologys	11/11/2015	8
8	Eider Motors	12/11/2014	14
9	DARK HORSE	29/11/2014	12
10	MIND TREE	19/12/2014	1
11	CA TECHNOLOGIES	23/11/2014	1
12	NTT DATA	2/1/2015	5
13	CARBON SOFTWARE SOLUTIONS	2/1/2015	2
14	ADP	12/1/2015	1
15	VIRTUSA	21/01/2015	4
16	MAQ SOFTWARE	12/1/2015	1
17	HCL	21/0/2015	1
18	APPS ASSOCIATES	31/01/2015	5
19	Vsigma	4/2/2015	12
20	ADVANTAGE ONE	5/2/2015	4
21	Best Tax filer	9/2/2015	1
22	TVARANA	13/02/2014	3
23	FONY Software Solutions	14/02/2015	16
24	IBM	11/2/2015	2
25	XL Dynamics	25/02/2015	12
26	INFOSYS	25/02/2015	7
27	CONGURENT	29/02/2015	0
28	GANPACT	3/3/2015	31
29	RADICON	13/03/2015	4
30	CSC	27/02/2015	2
31	TCS	12/3/2015	1
32	DATA 64	17/03/2015	11
33	CYIENT	25/03/2015	6
34	EA SPORTS	24/04/2015	4
35	OFOS SERVICES PVT LTD )	4/4/2015	30
36	AISWARYA TECHNOLOGYS	23/01/2015	3

37	RETAIL ON INDIA LTD	6/4/2015	0
38	R SYSTEMS INTERNATIONAL LTD	10/04/2015	10
39	PRATAIN TECHNOLOGYS	6/4/2015	0
40	INFOR ENTERPRISE PVT LTD	4/4/2015	3
41	GOOGLE INDIA	18/04/2015	Waiting for result
42	SURTHERLANDS GLOBEL SERVICE LTD	15/04/2015	Waiting for result
43	IBM INDIA LTD	27/04/2015	0
44	VISION TECK LTD	2/5/2015	Waiting for result
45	EXCERS SOFT WARE SOLUTIONS	15/05/2015	1
46	ZEN 3 Info solutions	29/05/2015	15
47	SITEL	3/6/2015	1
	Total till date		267

**AY 2015-16**

S.No	NAME OF THE COMPANY	Date	CANDIDATES SELECTED
1	TECH MAHINDRA LTD	12/07/ 2015	43
2	DATA 64 CYBER SOLUTIONS	28/07 2015	13
3	DARK HORSE IT CONSULTING	07/08/2016	07
4	ZYCUS LTD	08/08/2016	01
5	SHIVA GROUP LTD	10/08/2016	14
6	GOOD THROUGH SOFTWARE SOLUTIONS	20/08/ 2015	18
7	GENPACT INDIA LTD	24/09/2015	29
8	SOLVENT SOFTWARE SLUTIONS	05/10/2015	09
9	ZENOPSYS INDIA LTD	10/10/2015	09
10	NTT DATA	17/10/ 2015	02
11	APPS ASSOCIATES	30/10/ 2015	02
12	CDK GLOBAL INDIA LTD	11/11/2015	01
13	SATHYAM TECH	30/11/ 2015	10
14	MIND TREE	2/12/ 2015	07
15	OSMOSYS INDIA PVT LTD	5/01/ 2016	04

16	COGNIZANT	14/01/ 2016	15
17	CYIENT LYD	19/01/ 2016	09
18	IMI MOBILES	28/01/ 2016	01
19	SEDIN TECHNOLOGYS	30/01/ 2016	04
20	OPEN TEXT	2/02/2016	04
21	UBER	3/02/2016	02
21	NETELIXIR	5/02/ 2016	03
22	INFOSYS	25/02/ 2016	03
23	AMAZON DEVELOPMENT	25/02/ 2016	14
24	MANYA GROUP	9/03/2016	02
25	SANS PAREIL SOFTWARE SOLUTIONS	16/03/2016	15
26	CLOUD MACHINE SOFTWARE SOLUTIONS	18/03/2016	10
27	AXALT SOFTWARE SOLUTIONS	22/03/2016	06
28	CAPGEMINI INDIA LTD	26/03/2016	06
29	CRUISE LINE SHIPPING MANAGEMENT	30/03/2016	01
30	JUST DIAL	04/04/2016	04
31	TECH MAHINRDA TECH SUPPORT	12/04/2016	03
32	SARYAODHA SOFTECH PVT LTD	14/04/2016	07
33	MPHASIS	27/04/2016	02
34	HCL TALENT CARE	14/05/2016	02
35	ADP INDIA	21/05/2016	01
36	RANDSTAND TECHNOLOGIES	23/05/2016	01
37	CHEVROLET	24/05/2016	09
38	COLRUYT IT CONSULTANCY Pvt Ltd	25/05/2016	01
39	BEST TAX FILER	31/05/2016	04
40	ICICI BANK	01/06/2016	33
41	ANIX GROUP OF COMPANIES	04/06/2016	11
42	ARIHANT DURAPLAST LTD	10/06/2016	10

43	GROWCONTROLS PVT LTD	21/06/2016	02
44	GLOBAL LOGIC INDIA LTD	24/06/2016	06
45	SYNTEL INDIA LTD	05/05/2016	11
46	POLYCOM TECHHNOLOGY	05/05/2016	01
47	JEGAN RESEARCH ASSOCIATE	12/08/2016	01

**AY: 2016-2017**

S.No	NAME OF THE COMPANY	Date	CANDIDATES SELECTED
1	TECH MAHINDRA PVT LTD	28/07/ 2016	87
2	DARK HORSE IT CONSULTING Pvt.Ltd	3/08/ 2016	01
3	ZENOPSYS TECHNOLOGIES PVT LTD	10/08/ 2016	08
4	NTT DATA INDIA LTD	24/08/ 2016	03
5	AMAZON INDIA LTD	06/10/2016	17
6	GENPACT INDIA PVT LTD	17/10/2016	28
7	CV CORP	20/10/2016	01
8	SANSPAREIL INDIA LTD	01/11/2016	17
9	TUDIP TECHNOLOGIES	10/12/2016	05
10	HEAD INFOTECH PVT LTD	17/12/2016	01
11	MIND TREE IT SERVICES & CONSULTING	18/12/2016	01
12	INTELENT GLOBEL INDIA LTD	18/12/2016	54
13	AXIS GLOBAL AUTOMATION PVT LTD	20/12/2016	14
14	Think & Learn Pvt. Ltd. (BYJU's)	25/12/2016	02
15	LANTEK ENGINEERING CONSULTANTS	27/12/2016	10
16	GGK TECHNOLOGIES	29/12/2016	01
17	BIZ TIME IT SOLUTIONS	31/12/2016	06
18	IKS HEALTH	03/01/2017	22



19	MORDER INTELLIGENCE	04/01/2017	01
20	HINDUJA GLOBEL SOLUTIONS	04/01/2017	99
21	JUST DIAL	16/01/2017	01
22	MULTIPLIER SOLUTIONS	16/01/2017	02
23	YK SOFTWARE SOLUTIONS PVT LTD	26/01/2017	06
24	Bro4u	28/01/2017	01
25	VASSAR LABS	30/01/2017	01

**5.1.13 Does the College have a registered Alumni association? If yes, what are its activities and contributions to the development of the College?**

Yes, Geethanjali College of Engineering and Technology has **Geethanjali Alumni Association** registered with Registrar of Societies on 17<sup>th</sup> day of February, 2010.

**Institute level – Alumni coordinators:**

Sl. No.	Name of Coordinator
1	Preethi Prasada
2	Dr. A Sita Madhavi
3	BPS Jyothi

**Department level -Alumni Coordinators List**

Sl.No.	Name of Coordinator	Department
1	M Umarani	ECE
2	Preethi Prasada	CSE
3	S Deepdepya	IT
4	V Padmaja	EEE
5	B Anitha	ME
6	K Naupal Reddy	MBA

- Geethanjali organizes Alumni meetings on 25<sup>th</sup> December of every year.
- Wide spread publicity will be given to all Alumni members about the meeting in advance, by sending SMS, Mails and phone calls.

- These meetings are generally being attended by more than 150 Alumni members every year, with special enthusiasm in all the batches.
- It was a great pleasure to know about the students accomplishments in professional lives.
- Most of them were visiting their Alma Mater for the first time since their graduation, and naturally were thrilled to meet each other.
- Few alumni attended the meet with their spouses.
- After the discussion on the future developments, the alumni comes up with many suggestions regarding the syllabus, laboratory development etc.
- They also offered their services for the growth of Departments.
- Many of the Alumni have been helping Geethanjali in training, placement, development of modern laboratories, and delivery of expert lectures in emerging areas of technology.
- A feedback is also collected from alumni regarding the organizational aspects of the Meet and their suggestions for improvement in professional training at Geethanjali.

### **Alumni Association Annual Report -2015**

Geethanjali organized its fourth Alumni Meet on 25<sup>th</sup> December 2015. The dates of this Meet were declared in the month of October itself and the news spread far and wide. Many of the alumni played active role in contacting their batch mates and others. The Meet was attended by 151 alumni of batches that graduated in year 2009 (First Graduating Batch) to 2015. There was special enthusiasm in all the batches. It was a great pleasure to know about their accomplishments in professional lives. Most of them were visiting their Alma Mater for the first time since their graduation, and naturally were thrilled to meet each other. Few alumni attended the Meet with their spouses.

The Secretary, G. Ravinder Reddy, was the Chief Guest of the inaugural function of the Alumni Meet. Addressing the Inaugural function and welcomed the Alumni and Faculty. He said that Alumni are the brand ambassadors of the Institution and a very vibrant relationship must be established and nurtured.

In the before Dinner session, the HODs of each department presented the recent progress and activities. After the discussion on the future developments ensued and alumni came up with many suggestions regarding the syllabus of courses, laboratory development etc. They also offered their services in the growth of Department.

Many of the Alumni expressed their willingness to help Geethanjali in training, placement, development of modern laboratories, and delivery of expert lectures in emerging areas of technology.

A feedback was also collected from alumni regarding the organizational aspects of the Meet and their suggestions for improvement in professional training at Geethanjali. The Alumni Meet closed at a very emotional note. However, everyone appreciated the efforts for organizing the Meet. Everyone departed with the resolve to visit again and spread the message amongst all who could not visit this time

### **Alumni Association Annual Report -2016**

Geethanjali organized its fourth Alumni Meet on 25<sup>th</sup> December 2016. The dates of this Meet were declared in the month of October itself and the news spread far and wide. Many of the alumni played active role in contacting their batch mates and others. The Meet was attended by 155 alumni of batches that graduated in year 2009 (First Graduating Batch) to 2016. There was special enthusiasm in all the batches. It was a great pleasure to know about their accomplishments in professional lives. Most of them were visiting their Alma Mater for the first time since their graduation, and naturally were thrilled to meet each other. Few alumni attended the Meet with their spouses.

The Secretary, G.Ravinder Reddy, was the Chief Guest of the inaugural function of the Alumni Meet. Addressing the Inaugural function and welcomed the Alumni and Faculty. He said that Alumni are the brand ambassadors of the Institution and a very vibrant relationship must be established and nurtured.

In the before Dinner session, the HODs of each department presented the recent progress and activities. After the discussion on the future developments ensued and alumni came up with many suggestions regarding the syllabus of courses, laboratory development etc. They also offered their services in the growth of Department.

Many of the Alumni expressed their willingness to help Geethanjali in training, placement, development of modern laboratories, and delivery of expert lectures in emerging areas of technology.

A feedback was also collected from alumni regarding the organizational aspects of the Meet and their suggestions for improvement in professional training at Geethanjali. The Alumni Meet closed

at a very emotional note. However, everyone appreciated the efforts for organizing the Meet. Everyone departed with the resolve to visit again and spread the message amongst all who could not visit this time.

**5.1.14 Does the College have a student grievance redressal cell? Give details of the nature of grievances reported and how they were redressed.**

- Yes, Geethanjali College of Engineering and Technology has Grievance Redressal Committee as listed below.
- The students having grievances may submit their grievances in writing to Grievances Redressal Committee.
- Matters on which HODs can take decisions are examined and resolved at departmental level by Departmental Grievance Redressal Committee.
- Matters concerning the college as a whole are examined and resolved by institutional level Grievance Redressal Committee. The Committee also take note of complaints and suggestions dropped in the suggestion boxes placed at strategic locations.
- If, the solution requires certain changes in policies, procedures, systems etc., the issues are discussed and resolved by College Academic Committee or Governing Body.

**Student Grievance Redressal Committee**

S. No	Name of the Staff Member	Designation	Position
1	Prof. K. Somasekhara Rao	Prof. - ECE & Dean- Student Affairs	Chairman
2	Dr. K. Srinivas	Prof. & HOD IT	Member
3	Dr. S.T. Rajmohan	Prof. - ME & Dean- Admin.	
4	A.Srilaxmi/J Mrudula	Assoc. Prof.-CSE	
5	Dr.M.Devaiah	Prof. - ME	Convenor
The committee meets on need basis as many times as required			

The college Student Grievance Redressal Cell addresses academic as well as non-academic complaints.

Major Grievances of Students redressed:

- Improved drinking water facilities by installing more water purifiers.

- Toilets renovated
- Canteen facilities upgraded and the canteen shifted to a new premises
- Internet facility provided in the new library with a new computing center
- Digital Library facility provided with 24 systems
- Student support center opened

**5.1.15 Does the College have a cell and mechanism to resolve issues of sexual harassment?**

Women Protection Cell will address the issues related to sexual harassment based on complaints.

**Women Protection Cell Committee**

S.	Name of the Staff Member	Designation	Status
1	Dr. S. Udaya Kumar	Principal	Chairman
2	Dr. G Neeraja Rani	Professor-HOD-	Convenor
3	A. Srilakshmi	Assoc. Prof.-CSE	Members
4	S. Jyothirmayee	Assoc. Prof.-ECE	
5	D. Radhika	Assoc. Prof.-EEE	
6	S. Dedeepya	Asst. Prof.-IT	
7	B. Anitha	Asst. Prof.-ME	
8	B P S Jyothi	Asst. Prof. MBA	

**5.1.16 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

Yes, Geethanjali College of Engineering and Technology has Anti-ragging Committee.

**Anti-ragging Committee**

S.No	Name of the Staff	Designation	Department
<b>Chair Person</b>			
	Prof Dr. S Udaya Kumar	Principal	
<b>Members</b>			
1	Prof. K. Somasekhara Rao	Prof. & Dean-Student Affairs	ECE
2	Dr. P. Ramamohana Rao	Prof. & Dean-Academics	CE
3	Dr. S.T.Raj Mohan	Prof. & Dean-Admin.	ME
4	Dr. DSR Murthy	Prof. & Controller of Exams	CSE

5	Dr. G.Neerja Rani	Prof. & HOD	S&H
6	Dr. T. Siva Prasad	Prof. & HOD	ME
7	Dr. S. Nagendar Kumar	Prof. & HOD	CSE
8	Dr. P.Srihari	Prof. & HOD	ECE
9	Dr. K Srinivas	Prof. & HOD	IT
10	Dr. Sudha Radhika	Prof. & HOD	EEE
11	M. Venkateswarlu	Physical Director	S&H
12	Guruva Reddy	C.I Keesara	TS Police
13	Vishnu Vardhan Reddy	S.I Keesara	TS Police
14	Venkat Reddy	S.I Keesara	TS Police
The committee meets on need basis as many times as required. No ragging instances were reported in the last four years.			

And also anti ragging squad from each department is allotted various locations in and outside the campus like canteen, RTC bus stops, parking etc...

Bus in-charges monitor the seating plan and ensure no ragging takes place in the buses during the journey.

**Punishments:**

Depending upon the nature and gravity of the offence as established by the Anti Ragging Committee of the college, the possible punishments for those found guilty of ragging at the college level shall be any one or a combination of the following:

**RAGGING WITHIN OR OUTSIDE THE COLLEGE CAMPUS IS PROHIBITED**

S.NO	NATURE OF RAGGING	PUNISHMENT
1	Teasing, Embarrassing and Humiliating	Imprisonment upto 6 months or fine upto Rs. 1000/- or both
2	Assaulting or using Criminal force or Criminal Intimidation	Imprisonment upto 1 year or fine upto Rs. 2000/- or both
3	Wrongfully Restraining or Confining or Causing Hurts	Imprisonment upto 2 year or fine upto Rs. 5000/- or both
4	Causing Grievous Hurt, Kidnapping or Raping un-natural	Imprisonment upto 5 year or fine upto Rs. 10000/- or both
5	Causing Death or Abetting Suicide	Imprisonment upto 10 year or fine upto Rs. 50000/- or both

**5.1.17 How does the college elicit the cooperation from all stakeholders to ensure overall development of the students considering the curricular and co – curricular activities, research, community orientation, etc.?**

Geethanjali College of Engineering and Technology has the following list of Stakeholders and every year interaction sessions will be held for all of them to get proper feed backs and suggestions from them. A consolidated report is prepared and produced in the CAC meeting and decisions will be taken.

**Stakeholders List**

[[

S.No.	Stakeholders
1	Alumni
2	Parents
3	Recruiters
4	Employers
5	Faculty
6	Students
7	Professional Bodies

**ALUMNI:**

- Every year on 25<sup>th</sup> December Geethanjali organizes Alumni meet.
- The Meet was attended by a minimum of 200 alumni of different batches that are graduated from the previous years.
- After having a discussion on the future developments the alumni comes up with many suggestions regarding the curriculum, syllabus, laboratory development etc.
- They also offer their services for the growth of departments.
- Many of the Alumni have been helping Geethanjali in training, placement, development of modern laboratories, and delivery of expert lectures in emerging areas of technology.
- A feedback is also collected from alumni regarding the organizational aspects of the Meet and their suggestions for improvement in professional training at Geethanjali.
- A consolidated feedback and suggestion report will be prepared by the coordinator and presented in the academic meeting held with Chairman, Principal, Head of the departments etc.
- After having discussions in the meeting for the possibility extent decisions will be taken for future development.





- Increasing the sports facilities
- To send both academic performance and attendance details of the student time to time.

**PARENT FEEDBACK FORM**

Indicate your strength of acceptance on a scale of 5

**5: Strongly agree    4: Agree    3: Unable to comment    2: Disagree    1: strongly disagree**

- Providing lifelong education and training that produces graduates with the skills necessary to sustain individual’s successful career within a global economy. [    ]
- Providing employers and communities with the human resources they will require for economic success and contribution to the community [    ]
- Taking a leadership position in influencing education and other related public policies; and conducting applied research that will create the new products and services necessary for sustaining the economic health of our external community. [    ]
- Providing high quality, innovative, and responsive education and training programs, including comprehensive education that lead toward certificates, diplomas and applied degrees. [    ]
- Advancing new approaches to education, including academic partners to enhance GCET’s education and applied research thrust. [    ]
- Providing an effective, supportive, safe, accessible and affordable learning environment, using state-of-the-art information technologies, where appropriate, to support these directions. [    ]
- Providing an effective, supportive, safe, secure and accessible working environment so that all concerned would be excited about their work. [    ]
- Nurturing continuous improvement of working relationships at all levels in the college. [    ]
- Sustaining an operating environment that capitalizes on the unique contributions of our multicultural communities. [    ]

Any Other Expectations:

**Optional**

Parent Name:

Student name:

Relation :        Father/Mother/Guardian

Occupation:

Organization:

Signature

**RECRUITERS:**

- Every year No. of recruiters are visiting Geethanjali for campus recruitment.
- At the end of the recruitment process the placement department collects a feed back in the below form.

<b>ORGANIZATION PARTICULARS</b>	
Name (optional): _____	
Position: _____	
Company / Organization Name: _____	
Company Address: _____	
_____	
E-mail : _____	
Please tick √ accordingly	
Type of organization:	Government / Public Sector <input type="checkbox"/> Private sector <input type="checkbox"/>
Your core business or function is	
• Contracting/Consulting	
• IT/Communications	
• Manufacturing	
• Services	
• Armed Forces	
• Education	
• Finance/Banking	
• Research and Development	
• Others, if any	

<b><u>Questionnaire on PEOs</u></b>						
<b>1 = Strongly Disagree      2 = Disagree    3 = Not sure    4 = Agree      5 = Strongly Agree</b>						
<b>(Please circle any one)</b>						
Did you find our graduate(s) able to						
a.	Obtain solutions to engineering problems, specifically Computer Science Engineering and provide quality services to engineering related industries	1	2	3	4	5
b.	Be creative and innovative in producing state of the art technologies related to computer science and its applications in various fields.	1	2	3	4	5
c.						
d.	Involve in engineering projects that were aimed at improving the quality of life and well-being of the society?	1	2	3	4	5
e.						
f.	Adapt to changes in work environment (for example, to learn new software, operate new equipments, and learn about new systems) and continuously undertake professional development?					
		1	2	3	4	5
g.	Act professionally and ethically while making significant contributions for the benefit of community, region, nation and beyond by leading a team as well as being a team player?	1	2	3	4	5
h.						
i.	Communicate effectively and demonstrate interpersonal skills?	1	2	3	4	5
Any other Information (Suggestions):						

**FACULTY:**

- Every semester beginning and ending a faculty meeting is held in the respective departments
- Several points will be discussed like how to improve the teaching quality, etc.
- At the end a Feed back in the given form will be collected

- Along with HOD and senior faculty a consolidated report will be taken
- Necessary action will be taken on the report with the consult of Principal

**FACULTY FEEDBACK FORM:**

What kind of department do we hope to be (Teaching/Research or both)?

1. What do you think should be reflected in our department's vision statement?
2. What do we need to do differently to achieve this vision?
3. How our department is different from same department of other colleges?
4. What patterns do you see in the vision and mission statements?
5. What action steps students and staff will be expected to take to achieve the vision?
6. Mention how faculty and staff can engage themselves in improvement efforts?
7. What is the need for department's vision?
8. Do I believe in my department's ability to achieve this vision?
9. Do I believe I can help make the vision happen?

Indicate your strength of acceptance on a scale of 5

**5: Strongly agree    4: Agree    3: Unable to comment    2: Disagree    1: strongly disagree**

**1. Do I believe I can help the department to achieve its vision by:**

- providing lifelong education and training that produces graduates with the skills necessary to sustain individual's successful career within a global economy
- providing employers and communities with the human resources they will require for economic success and contribution to the community
- taking a leadership position in influencing education and other related public policies; and conducting applied research that will create the new products and services necessary for sustaining the economic health of our external community

**2. Do I believe in making the department of \_\_\_\_\_ at Geethanjali College of Engineering and Technology (GCET) the college of choice for students and parents in our target market by:**

- providing high quality, innovative, and responsive education and training programs, including comprehensive education that lead toward certificates, diplomas and applied degrees
- advancing new approaches to education, including academic centre of excellence

- entering into alliances with industry and academic partners to enhance GCET's education and applied research thrust
- promoting the unique character of GCET's campus
- providing an effective, supportive, safe, accessible and affordable learning environment, using state-of-the-art information technologies, where appropriate, to support these directions

**3. Do I perceive *the department of \_\_\_\_\_* at Geethanjali College of Engineering and Technology (GCET) the employer of choice for management, faculty and support staff by:**

- promoting a proactive approach to professional development of self and as well as students
- ensuring that our people have the necessary support and tools to fulfill their responsibilities to nurture students
- providing an effective, supportive, safe, secure and accessible working environment so that all concerned would be excited about their work
- nurturing continuous improvement of working relationships at all levels in the college

**4. Do I value and respect our multicultural diversity of the department of \_\_\_\_\_ at GCET by:**

- sustaining an operating environment that capitalizes on the unique contributions of our multicultural communities
- equipping our students with the skills necessary to respond to the opportunities and challenges associated with ever-changing societal demographics

Any other Suggestion:

**Signature**

**STUDENTS:**

- Every semester, twice online feedback is collected from the students to improve the teaching quality
- Also mentoring will be done for all the students to know their personal and academic problems they are facing.
- Each faculty will be assigned 15 students as their mentees
- The problems of the students were personally discussed with HOD and possible solutions were identified.

## STUDENT FEEDBACK FORM

Indicate your strength of acceptance on a scale of 5

**5: Strongly agree 4: Agree 3: Unable to comment 2: Disagree 1: strongly disagree**

- Providing lifelong education and training that produces graduates with the skills necessary to sustain individual's successful career within a global economy. [ ]
- Providing employers and communities with the human resources they will require for economic success and contribution to the community [ ]
- Taking a leadership position in influencing education and other related public policies; and conducting applied research that will create the new products and services necessary for sustaining the economic health of our external community. [ ]
- Providing high quality, innovative, and responsive education and training programs, including comprehensive education that lead toward certificates, diplomas and applied degrees. [ ]
- Advancing new approaches to education, including academic partners to enhance GCET's education and applied research thrust. [ ]
- Providing an effective, supportive, safe, accessible and affordable learning environment, using state-of-the-art information technologies, where appropriate, to support these directions. [ ]
- Nurturing continuous improvement of working relationships at all levels in the college. [ ]
- Sustaining an operating environment that capitalizes on the unique contributions of our multicultural communities. [ ]

Any Other Expectations:

### **Optional**

Parent Name:

Student name:

Relation : Father/Mother/Guardian

Occupation:

Organization:

Signature

### **PROFESSIONAL BODIES:**

- Some of the staff and students of Geethanjali are members of Professional Bodies like ISTE, IEEE, CSI, etc.
- Every year with the help of the societies Geethanjali organizes co curricular activities like Bhaswara, Vidyut, etc.

- Also the professional body members meets the college regularly to improve the quality of teaching and learning process.
- A feedback is collected from them in the form given below:

**FEEDBACK FORM FROM PROFESSIONAL BODY MEMBER**

1. What do you think should be reflected in our department’s vision statement?

2. State your belief towards the department vision

3. Enumerate the action steps to be taken for students and staff for arriving the department vision?

4. How will I be able to help the department’s vision happen as a professional body member?

5. Any more suggestions

Indicate your strength of acceptance on a scale of 5

**5: Strongly agree    4: Agree    3: Unable to comment    2: Disagree    1: strongly disagree**

- Providing lifelong education and training that produces graduates with the skills necessary to sustain individual’s successful career within a global economy.
- Providing employers and communities with the human resources they will require for economic success and contribution to the community
- Taking a leadership position in influencing education and other related public policies; and conducting applied research that will create the new products and services necessary for sustaining the economic health of our external community.

- Providing high quality, innovative, and responsive education and training programs, including comprehensive education that lead toward certificates, diplomas and applied degrees.
- Advancing new approaches to education, including academic partners to enhance GCET's education and applied research thrust.
- Promoting the unique character of GCET's campus.
- Providing an effective, supportive, safe, accessible and affordable learning environment, using state-of-the-art information technologies, where appropriate, to support these directions.
- Providing an effective, supportive, safe, secure and accessible working environment so that all concerned would be excited about their work.
- Nurturing continuous improvement of working relationships at all levels in th college.
- Sustaining an operating environment that capitalizes on the unique contributions of our multicultural communities.
- Equipping our students with the skills necessary to respond to the opportunities and challenges associated with ever-changing societal demographics.

Name:

Occupation:

Organization:

Professional body membership details:

Signature



**5.1.18 What special schemes/mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc?**

There are several special schemes available in Geethanjali to encourage students for their participation in extracurricular activities.

- Every year Geethanjali organizes annual day
- As a part of it inter college sports fest will be organized
- Many of the students from various colleges will be participating in the fest
- In the curriculum itself every week one sports hour is allotted
- Interested students will participate and practice in sports and games of their interest.
- Students are encouraged to participate in inter college sports fests also.
- Cultural activities like VIBYOR and VIBES are conducted every year and the students are encouraged to participate in these events.

**5.1.19 How does the College ensure participation of women in ‘intra’ and ‘inter’ institutional sports competitions and cultural activities? Provides details of sports and cultural activities in which such efforts were made?**

Every year as a part of annual day celebrations, separate sports events are conducted for girl students and lady faculty separately.

For the year 2016-17, the following tournaments were conducted for Girl students.

<b>S.No.</b>	<b>Name of the event</b>	<b>No. of students participated</b>
1	Throw Ball	70
2	Tennikoit	16
3	Kho-Kho	70
4	Table Tennis	8
5	Chess	8
9	Caroms	20

Achievements:

2016-17 – Kabddi girls team: Sports Bout 2017 held at Anurag Group of Institutions – Got 2<sup>nd</sup> place.

Similar events were conducted right from the start of the Institute.

## 5.2 Student Progression

**5.2.1 Provide details of programme-wise success rate of the College for the last four years. How does the College compare itself with the performance of other autonomous Colleges / universities (if available)**

<b>GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY</b>								
CHEEYAL (V), KEESARA (M), R.R. DIST. TELANGANA. 501 301								
NAAC Application (5.2.1 & 5.2.3) Data regarding Completion rate & Success rate of last 4 batches) - 6.2.17								
S.NO.	Branch	Batch	No. Of. Students Appeared	No. Of. Students Passed with 2nd Class	No. Of. Students Passed with 1st Class	No. Of. Students Passed with 1st Class with Distinction	Total	%
1	Electrical Electronics Engineering	2009	59	1	18	30	49	83.05
2	Electronics Communication Engineering	2009	126	2	37	81	120	95.23
3	Computer Science Engineering	2009	119	4	54	52	110	92.43
4	Information Technology	2009	105	1	29	46	76	72.38
<b>2010</b>								
1	Electrical Electronics Engineering	2010	69	4	19	39	62	89.85
2	Electronics Communication Engineering	2010	117	3	37	72	112	95.72
3	Computer Science Engineering	2010	121	12	47	56	115	95.04
4	Information Technology	2010	114	18	44	39	101	88.59
<b>2011</b>								
1	Electrical Electronics Engineering	2011	72	10	31	15	56	77.77
2	Electronics Communication Engineering	2011	132	15	46	38	99	75
3	Computer Science Engineering	2011	117	14	58	28	100	85.47
4	Mechanical Engineering	2011	58	3	30	13	46	79.31
5	Information Technology	2011	114	12	43	39	94	82.45
<b>2012</b>								
1	Electrical Electronics Engineering	2012	60	6	29	15	50	83.33
2	Electronics Communication Engineering	2012	192	41	93	55	189	98.44
3	Computer Science Engineering	2012	168	37	76	25	138	82.14
4	Mechanical Engineering	2012	70	17	28	10	55	78.57
5	Information Technology	2012	106	17	52	24	93	87.74

**5.2.2 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the observed trends.**

Student Progression	%			
	2009-13 Batch	2010-14 Batch	2011-15 Batch	2012-16 Batch
UG to PG	15	18	14	11
PG to M.Phil	-	-	-	-
PG to Ph.D	-	-	-	-
<b>Employed:</b>				
Campus Selection	51	51	54	63
Other than campus selection	3	8	4	5

The data regarding the number of students pursuing PG is obtained from our alumni. While it may be fairly accurate, the figures are not very exact. The data about employment status is obtained from the records of the college in regard to campus selection, while employment figures in respect of “other than campus selection” are obtained from our alumni. The possibility of some of the candidates selected in campus selection process not taking up jobs, and or pursuing PG exits. The alumni taking up employment in organizations other than those conducting campus selection could be more than that reflected in the table. These are the limitations to be borne in mind while drawing conclusions from the above data.

It is observed from the table that the percentage of students pursuing PG shows a decreasing trend. It is also observed that the campus selection shows an increasing trend over the last three years. Considering that the intake of students has increased in the last two years, the number of students getting employment opportunities is appreciably high. This could, probably, explain the decrease in students opting for PG courses. These conclusions have, however, to be evaluated in the light of the limitations indicated above.

**5.2.3 What is the Programme-wise completion rate/dropout rate within the time span as stipulated by the College/University?**

<b>GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY</b>						
CHEEYAL (V), KEESARA (M), R.R. DIST. TELANGANA. 501 301						
<b>S.No.</b>	<b>Branch</b>	<b>Batch</b>	<b>No. Of Students</b>	<b>No. of students passed out</b>	<b>Program wise completion rate</b>	<b>Drop out rate</b>
1	Electrical Electronics Engineering	2009	59	<b>49</b>	83.05	16.95
2	Electronics Communication Engineering	2009	126	<b>120</b>	95.23	4.77
3	Computer Science Engineering	2009	119	<b>110</b>	92.43	7.57
4	Information Technology	2009	105	<b>76</b>	72.38	27.62
1	Electrical Electronics Engineering	2010	69	<b>62</b>	89.85	10.15
2	Electronics Communication Engineering	2010	117	<b>112</b>	95.72	4.28
3	Computer Science Engineering	2010	121	<b>115</b>	95.04	4.96
4	Information Technology	2010	114	<b>101</b>	88.59	11.41
1	Electrical Electronics Engineering	2011	72	<b>56</b>	77.77	22.23
2	Electronics Communication Engineering	2011	132	<b>99</b>	75	25
3	Computer Science Engineering	2011	117	<b>100</b>	85.47	14.53
4	Mechanical Engineering	2011	58	<b>46</b>	79.31	20.69
5	Information Technology	2011	114	<b>94</b>	82.45	17.55
1	Electrical Electronics Engineering	2012	60	<b>50</b>	83.33	16.67
2	Electronics Communication Engineering	2012	192	<b>189</b>	98.44	1.56
3	Computer Science Engineering	2012	168	<b>138</b>	82.14	17.86
4	Mechanical Engineering	2012	70	<b>55</b>	78.57	21.43
5	Information Technology	2012	106	<b>93</b>	87.74	12.26

**5.2.4 What is the number and percentage of students who appeared/ qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.**

**EEE:**

Sl. No	Name of the Examination	2012-2016	2011-2015	2010-2014	2009-2013	2008-2012
1	UGC-CSIR-NET	-	-	-	-	-
2	UGC-NET/ SLET	-	-	-	-	-
3	GATE	-	1	1	1	1
4	CAT / GRE	2	11	5	10	12
5	TOFEL / GMAT	-	-	-	-	-
6	Central /State services, Defense, Civil Services	-	-	-	-	-
7	Others (PGECET)	1	1	-	-	-
	<b>Total</b>	<b>3</b>	<b>13</b>	<b>6</b>	<b>11</b>	<b>13</b>

**CSE:**

Sl. No	Name of the Exam	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
1	GATE			-	-	5	5
2	CAT / GRE		19	10	16	11(GRE & TOFEL)	17(GRE & TOFEL)
3	TOFEL / GMAT		19	10	16		
4	Central /State services, Defense, Civil Services			-	-	-	-
5	Others (PGECET)		3	-	2(ICET)	6(ICET)	2(ICET)
	<b>Total</b>		<b>22</b>	<b>20</b>	<b>34</b>	<b>22</b>	<b>24</b>

**ECE:**

Sl. No	Name of the Exam	2010-2014	2011-15	2012-16
1	GATE	-	-	-
2	CAT / GRE	25	20	22
3	TOFEL / GMAT	-	-	-
4	Central /State services, Defense, Civil Services	-	-	-
5	Others (PGECET)	MTECH-22	-	MTECH-13
<b>Total</b>		47	20	35

**ME**

Sl. No	Name of the Exam	2011-15	2012-16
1	GATE	2	-
2	CAT / GRE	12	2
3	TOFEL / GMAT	-	-
4	Central /State services, Defense, Civil Services	-	-
5	Others (PGECET)	MTECH-04	CITD-02
<b>Total</b>		18	04

**5.2.5 Provide details regarding the number of Ph.D/D.Sc./D.Litt. theses submitted, accepted, resubmitted and rejected in the last four years.**

The college does not offer Ph.D programs

**5.3 Student Participation and Activities**

**5.3.1 List the range of sports and games, cultural and extracurricular activities available to students. Provide details of participation and program calendar.**

Every year as part of annual day Celebrations College organizes Games and Sports competitions.

Dedicated facilities are established in the college with provision for games and sports under the supervision of a qualified Physical Director.

**Infrastructure available:**

S.No.	Sport / Game	No. of courts	Area
1	Basket Ball	1	94 feet X 50 feet
2	Volley Ball	2	18 Mtrs X 9 Mtrs
3	Throw Ball	1	60 feet X 40 feet
4	Kho-Kho	1	29 X 16 Mtrs
5	Cricket	1	82 X 82 Mtrs
6	Table Tennis	2	Indoor
7	Caroms	4	Indoor
8	Chess	5	Indoor

**INTER COLLEGE TOURNAMENTS 2013-2014**

S.NO	Name of the Event	No. of Students Participated from GCET	Venue	Credits/Prizes Won
1.	Cricket	15	SR International Institute of Technology	Participated
2.	Basket ball (Boys)	12	JNTU 'D' Zone Tournament held at NNREC	Participated
3	Badminton (Boys & Girls)	6	JNTU 'D' Zone Tournament held at NNREC	Participated
4	Throw Ball (Girls)	12	JNTU 'D' Zone Tournament held at NNREC	Winners
5	Volley Ball (Boys)	12	JNTU 'D' Zone Tournament held at NNREC	Participated
6	Table Tennis (Boys & Girls)	6	JNTU 'D' Zone Tournament held at NNREC	Winners
7	Cricket	15	JNTU 'D' Zone Tournament held at NNREC	Participated
8	Cricket	15	JNTUH Central Zone	Participated
9	Throw Ball (Girls)	12	VI AP Inter-Engineering College Sprots Meet	Participated

10	Table Tennis (Boys & Girls)	6	VI AP Inter-Engineering College Sports Meet	Participated
11	Foot Ball (Boys)	15	SREE VISION – 2013 held at SNIST College	Participated
12	Volley Ball (Boys)	12	SREE VISION – 2013 held at SNIST College	Participated
13	Basket Ball	12	SREE VISION – 2013 held at SNIST College	Participated
14	Throw Ball (Girls)	12	CVSR Sports BOVT – 2013	Semifinals
15	Boxing (Pramod Kumar)	1	JNTUH (Selected in JNTUH University Team)	----
16	Cricket	7	JNTUH Cricket Team Selection held at TKR College	----
17	Throw Ball (Girls)	10	JNTUH ‘D’ Zone held at St.Marrys Group of Institution	Winners
18	Table Tennis – Doubles (Girls)	2	JNTUH ‘D’ Zone at St.Marrys Group of Institution	Winners
19	Foot Ball	15	JNTUH ‘D’ Zone held at Nalla Narsimha Reddy Engineering College	Winners



**INTRA MURAL TOURNAMENTS 2013-2014**

<b>S.NO</b>	<b>NAME OF THE EVENT</b>	<b>NO. OF STUDENTS PARTICIPATED</b>
1	Cricket - Boys	700
2	Basket Ball - Boys	150
3	Volley Ball - Boys	300
4	Throw Balls - Girls	102
5	Tenni koit – Girls	48
6	Kho – Kho – Girls	69
7	Table Tennis – Boys – Singles	56
8	Table Tennis – Boys – Doubles	96
9	Table Tennis – Girls	6
10	Athletics	
	1. 100 Mtrs (Girls)	24
	2. Shortput (Girls)	15
	3. Javelin Throw (Grow)	10

**INTRA MURAL TOURNAMENTS 2012-2013**

<b>S.NO</b>	<b>NAME OF THE EVENT</b>	<b>NO. OF STUDENTS PARTICIPATED</b>
1	Cricket - Boys	510
2	Basket Ball - Boys	132
3	Volley Ball - Boys	240
4	Throw Balls - Girls	72
5	Tenni koit – Girls	24
6	Kho – Kho – Girls	60
7	Table Tennis – Boys – Singles	28
8	Table Tennis – Boys – Doubles	76
9	Table Tennis – Girls	6

**INTER COLLEGE TOURNAMENTS 2012-2013**

<b>S.NO</b>	<b>Name of the Event</b>	<b>No. of Students Participated from GCET</b>	<b>Venue</b>	<b>Credits/Prizes Won</b>
1	Cricket	15	Sreenedhi Sports Feast	----
2	ATHELTICS	3	JNTUH University Team Selections	----
3	Cricket	7	JNTUH University Team Selections	----
4	Foot Ball	3	JNTUH University Team Selections	----
5	Basket Ball – Boys	12	Sreenedhi Sports Feast	----
6	Volley Ball – Boys	12	Sreenedhi Sports Feast	----
7	Foot Ball	15	Sreenedhi Sports Feast	----
8	T.T Carroms	3	Sreenedhi Sports Feast	----

**INTER COLLEGE TOURNAMENTS 2011-2012**

<b>S.NO</b>	<b>Name of the Event</b>	<b>No. of Students Participated from GCET</b>	<b>Venue</b>	<b>Credits/Prizes Won</b>
1	Basket ball	12	Sreenedhi Sports Feast	----
2	Volley ball	12	Sreenedhi Sports Feast	----
3	Table Tennis (M/W)	6	Sreenedhi Sports Feast	----
4	Foot Ball	5	JNTUH University team selection at MLRECT, Dundigal	----

5	Table Tennis (M/W)	3	JNTUH University team selection at MGIT, Gandipet	----
6	Cricket	7	JNTUH University team selection at Chacha Nehru Park, Masab Tank	----
7	Volley Ball	3	JNTUH University team selection at NMREC, Ghatkesar	----
8	Basket Ball	7	JNTUH University team selection at NNREC, Narapally, Ghatkesar	----
9	Cricket	15	10 <sup>th</sup> SR Champions Cricket Trophy at SR College Rampally	----
10	Volley Ball (M)	12	JNTUH D-Zone tournaments at NMREC, Ghatkesar	----
11	Basket Ball (M)	12	JNTUH D-Zone tournaments at NMREC, Ghatkesar	----
12	Table Tennis (M/W)	6	JNTUH D-Zone tournaments at NMREC, Ghatkesar	Runners (Single Women)
13	Badminton (M/W)	6	JNTUH D-Zone tournaments at NMREC, Ghatkesar	Winners (Doubles Women)
14	Foot Ball (M)	15	JNTUH D-Zone tournaments at NMREC, Ghatkesar	Winners (Men)
15	Throw Ball (W)	12	JNTUH D-Zone tournaments at NMREC, Ghatkesar	Runners (Women)
16	Cricket (M)	15	JNTUH D-Zone tournaments at NMREC, Ghatkesar	----

#### A. Sports Committee

The following sports committee makes arrangements for students to participate in various sports & game activities on all days. The committee also conducts various intr-ural competitions on special occasions like Annual Day, and trains, motivates and facilitates participation of students in inter college and university tournaments

Sl.No.	Name	Designation	Dept.	Position
1.	K. Mahender	Assoc. Prof	EEE	Chairman
2.	S. Jyothirmayee	Assoc. Prof	ECE	Member
3.	B. Vanaja Rani	Asst. Prof	S&H	Member
4.	M. Venkateshwarlu	Physical Director	S&H	Coordinator
5.	Y. Amarnadh Reddy	Physical Director	S&H	Member

In the Academic year 2011-12 the inter murals tournaments conducted and the number of students who

#### INTRA MURAL TOURNAMENTS 2011-2012

S.NO	NAME OF THE EVENT	NO. OF STUDENTS PARTICIPATED
1	VOLLEY BALL (BOYS)	300
2	BASKET BALL (BOYS)	192
3	CRICKET	480
4	CARROMS (BOYS) DOUBLES	98
5	T.T. (BOYS) SINGLES	37
6	T.T (BOYS) DOUBLES	32
7	CARROMS (BOYS) SINGLES	45
8	CAROMS (GIRLS) SINGLES	15
9	CHESS (BOYS)	56
10	THROW BALL (GIRLS)	192
11	KHO-KHO (GIRLS)	180
12	CHESS (GIRLS)	23
13	TABLE TENNIS (GIRLS)	
14	TENNIKIOT (GIRLS) DOUBLES	44
15	CARROMS (GIRLS) DOUBLES	52
<b>ATHLETICS</b>		
16	JAVILIN THROW (BOYS)	14
17	SHOT PUT (BOYS)	31

18	DISCUSS THROW (BOYS)	16
19	100 MTS (BOYS)	56
20	SHOT PUT (GIRLS)	12
21	JAVLIN THROW (GIRLS)	07
22	100 MTS (GIRLS)	26
23	DISCUSS THROW (GIRLS)	17

### B.Sports Instructors

The particulars of the sports instructors in the college are as follows

- Y. Amarnadh Reddy , Physical Director M.A. M.Ped
- M. Venkateswarlu , Physical Director M.A. (B.Ped)

### SPORTS ACHIEVEMENTS 2015-16

SNO	EVENT	DATE/YEAR	VENUE	JNTUH REPRESENTATIONS/AWARDS
1	Kabaddi men	11 oct 2015	JNTUH sports complex	<b>M.Venkatesh</b> ECE 3 <sup>rd</sup> year played south zone tournament held at KUVEMPU university, shimoga(Karnataka)
2	Hockey men	22 <sup>nd</sup> nov 2015	JNTUH sports complex	<b>M.venkata sai sunil kumar</b> ,ECE 1 <sup>st</sup> year played south zone tournament held at <b>acharya nagarjuna university</b> ,Guntur,AP
3	Kabaddi men	8 <sup>th</sup> ,9 <sup>th</sup> jan 2016	<b>KHEL 2016</b> held at aurora engineering college	<b>RUNNERS</b>
4	Table tennis men	8 <sup>th</sup> ,9 <sup>th</sup> jan 2016	<b>KHEL 2016</b> held at aurora engineering college	<b>Sharath kumar</b> , cse 3 <sup>rd</sup> year <b>WINNER</b>

- Every year before day of Bhogi Geethanjali celebrates Traditional Day
- As part of Traditional Day events dance competitions, rangoli, Kite flying competitions etc. are held
- At the end of all events Mr. and Ms. Geethanjali are selected for that year based on overall performance in several events.
- Also every year college celebrates annual day named VIBES, in which students will have a variety of cultural competitions to take part in.
- On the following day of VIBES, another inter college cultural fest named VIBGYOR is organized by GEETHANJALI.

**5.3.2 Provide details of the previous four years regarding the achievements of students in co-curricular, extracurricular activities and cultural activities at different levels: University / State //Zonal / National / International, etc.**

- Every year Geethanjali students participate in a number of co-curricular, extracurricular activities and cultural activities at different levels and win prizes at different levels.
- The following are the details of some of the prizes won:

<b>2015-2016</b>					
<b>S.No</b>	<b>Host college</b>	<b>Nature of Contest(Paper contest/Design contest/Technical Quiz/Paper Expo etc.)</b>	<b>Date(s)</b>	<b>Participants</b>	<b>Awards</b>
1	CBIT, Hyderabad	Shruthi(Dance Competetion)	17 <sup>th</sup> to 19 <sup>th</sup> March, 2016	Sai Charan Rao & Team	I Prize

2	SNIST, Hyderabad	TRINITY' 16 Paper Presentation	23 <sup>rd</sup> to 30 <sup>th</sup> January, 2016	Hari Shankar Sharma Sunil Kumar.G	I Prize
3	NNRG, Hyderabad	Tech Samprathi 2K16 Paper Presentation	8 <sup>th</sup> & 9 <sup>th</sup> January, 2016	Hari Shankar Sharma	I Prize
4	CMR Engineering College	Exuberance 2K16, Table Tennis	13 <sup>th</sup> April, 2016	T.Sai Tanuj	II Prize

2013 – 14				
S.NO.	EVENT NAME	Host college	NAME	REMARK
1	ELOCUTION COMPETITION	STANLEY COLLEGE OF ENGG&TECH FOR WOMEN	S.B. YASASWINI	THIRD
2	TECH SAMPRATH I 2K14	SCHOOL OF ENGINEERING,NNRG	M. HEMANTH KUMAR	SECOND
			M. PRANAY KUMAR	
			G. PRANEETH	
			VENKATESH	
			HAREESH	



3	SAMHITA 2K13	SREE DATTHA INSTITUTE OF ENGINEERING & SCIENCE	M.V. SANDEEP KUMAR	First
4	SPARDHAA' 14	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	PRATYASHA MISHRA	SECOND
			K.A. GIRISH KUMAR NAIK	SECOND
5	SHAASTRA 2014	IIT MADRAS	P VAMSHI KRISHNA	second
6	ELYSIUM2K 14	HOLY MARY GROUP OF INSTITUTIONS	S. BHARATH KUMAR	First
7	PRAGMA 2K14	TIRUMALA ENGINEERING COLLEGE	P.PRASHANTH	First
			ANIRUDH	
			K.SOWJANYA	Second
			B.PRASHANT	
			G.SANDEEP KUMAR	
			K.SRIKANTH	
			G.NARESH KUMAR	Third
			T.VENKATESH	
			D.HARIHARAN	
			B.PRASHANT	Second
M.ANITHA	Third			
8	FORZA	TIRUMALA	G. SANDEEP KUMAR	First
			HARISH	CONSOLATI ON

	2K14	ENGINEERING COLLEGE	A.MOUNICA	SECOND(PPT )
			Y.MADHURI	
			P.VINEELA	
			CH.RAMESH	THIRD(PPT)
			K.RAMYA SRI	
			T.SATVIKA	
9	ELAN 2014	ARK TECHNOSOLUTIONS & IIT HYDERABAD	K.A.GIRISH KUMAR	PARTICIPAT ED IN WORKSHOP
			M.V.SANDEEP KUMAR	
			MD.VAZIR.RUM AN	
			CH.HEMA REDDY	
			K.KEERTHI	
			M.SUMANTH REDDY	
			N.SURESH	
			E.SURAJ	
			PRATHYASHA MISHRA	
			M.SRIKANTH	
			K.NAGENDRA BABU	
			P.K.V.N.SAI KIRAN	
			G.NIKITHA CHANDRA LEKA	

2012-13				
S.No.	Event Name	Host College	Name	Award
1	Verba Maximus' 12	Birla Institute Of Technology And Science Pilani Hyderabad	Pratyasha Mishra	First
2	Verba Maximus' 13	Bits Pilani,Hyderabad Campus	Pratyasha Mishra	Third
3	Pragnya 2013	Jawaharlal Nehru Technological University, Hyderabad	A.Naga Sravya	Second
			N.Sindhuja	
4	Technosmec 2k13	St. Martin's Engineering College	A.Naga Sravya	First
5	Faceit 2013	ACE Engineering College	A.Naga Sravya	First
			M.V Sandeep Kumar	Second
6	Furcatez' 12	Malla Reddy Institute Of Technology And Science	Anirudh Bichal	First
7	Kurukshethr 13	Joginpally B R Engineering College	K.Sai Sdithya	Second
8	Vaganza 2k13	Nalanda Group Of Institutions	Md Irfan Khan	First
9	Adsophos 2013	Muffakhamjah College Of Engineering And Technology	N.Sinduja	Second
10	Akshara 2k13	Mallareddy Engineering College- Autonomous	G.Tilak	Second
			N.Vamsi Krishan	Third

### 5.3.3 How often does the College collect feedback from students for improving the support services? How is the feedback used?

- Geethanjali College of Engineering and Technology collects online and offline feedback from students twice in a semester for improving support services.
- Student feedback on courses is an essential element in quality assurance. Questionnaires are of primary importance in the dialogue with students, since they are the best tool we currently have for collecting objective, detailed and reasonably systematic information on a

wide range of questions, which:

1. informs the teacher about students' perceptions of the course's strengths and weaknesses;
2. can prompt changes in delivery methods, course content, the provision of resources and the structures of support and guidance for the course;
3. are useful to staff maintaining teaching portfolios;
4. are central to monitoring of teaching standards.

In order to gain maximum advantage:

- questionnaires are distributed and collected (anonymously) in class, ideally in the penultimate week of the course, with the aim of achieving a response rate of at least 75% on each course;
- the Head of Department discusses the summary of the feedback on each course with the teachers concerned;

**5.3.4 Does the college have a mechanism to seek and use data and feedback from its graduates and employers, to improve the growth and development of the college?**

- Yes Geethanjali conducts Graduation day every year for the young engineering graduates
- All the graduates participate in the celebrations enthusiastically.
- A feedback is collected on that day from them.

The following is the form:

## GRADUATE SURVEY

NAME(optional):	ROLL NO(optional):
GRADUATED YEAR:	DATE :
PROGRAM OF STUDY:	BRANCH:

**Please evaluate on the following Scale:**

Excellent(E)	Good(G)	Average(A)	Poor(P)	No Comment(NC)
5	4	3	2	1

SNO	QUESTIONNAIRE	E	G	A	P	NC
		5	4	3	2	1
<b>SECTION 1: PROGRAM EVALUATION</b>						
1)	What is your perception of the academic expectations of your program vis-à-vis your achievements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2)	How would you rate your program's performance in keeping pace with recent trends and developments in CSE discipline?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3)	How would you rate your professional training and research opportunities your program provided to graduate students?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4)	How would you rate the adequacy of space, facilities and equipment in your program?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5)	Indicate your level of satisfaction with the supervision and guidance you received during your study.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6)	What is your perception of the quality of the faculty vis-à-vis qualifications , experience and teaching expertise in your program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7)	How would you rate the overall quality of your program?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>SECTION 2: POST-GRADUATE PLANS</b>						
1a) What are your immediate plans after graduation?						
1) Postgraduate study 2) Employment in business or industry 3) Government service 4) Employment in a non-profit organization 5) Self employment/ Entrepreneur 6) Defence service						

1b) If you have selected postgraduate study, where do you plan to study
2. Have you already secured employment or been admitted for further Postgraduate study 1) YES                      2) NO
3. If you answered yes to question 2 please provide further information about your employer or your Postgraduate school and program of study.
<b>Signature</b>

**5.3.5 How does the College involve and encourage students to publish materials like catalogues, wall magazines, College magazine, and other material? List the major publications/ materials brought out by the students during the previous academic session.**

The college encourages students to publish materials like catalogues, wall magazines, College magazine, and other material as detailed below:

- a. College Technical Magazine INNOVATION. – A Technical magazine is published by the college every year, which includes the students publications.



The college magazine innovation invites a wider leadership in the college. This magazine showcases the strength of the students with their literary skills, creative and innovative ideas.

The contents of Magazine are:

- 1. Technical Papers ( Conferences & journals) published by the students
- 2. Techno tips

3. Techno poems
  4. Achievement details
- b. College Conducts Technical event in the name BHASWARA every year to promote students to publish papers, poster presentations, project presentations etc.



Geethanjali College organizes National Technical Paper and Project Congress which serves as a perfect platform for the young Generation to excel and sharpen their intellectual skills in General, Technical skills in particular for which participation is invited. The two day National Technical Paper and Project Presentation will throw immense opportunity for the students to enrich their technical skills by interacting with renowned professors and resource persons who will grace the occasion. This fest encourage many aspirants to actively participate in the events conducted as part of it and also presents the Prize money of worth Rs 1,00,000 and even more.

The events are:

1. Paper presentation
2. Poster presentation
3. Project presentation
4. Doing known things fast
5. E- jam
6. Robotics which covers various sub events like Line-Follower, All-Terrain, Soccer, Wrestler Racing.

**FROM EDITOR VOICE**

I let people make remarks about me, but it doesn't touch me, all those remarks.

Life finds its purpose and fulfillment in the expansion of happiness.

The important thing is this: to be able, at any moment, to sacrifice what we are for what we could become.

Whatever we put our attention on will grow stronger in our life.

Some things must be good in themselves, else there could be no measure whereby to lay out good and evil.

The longest sword, the strongest lungs, the most voices, are false measures of truth.

Fear is the denomination of the Old Testament; belief is the denomination of the New.

**Safety tip of month:**

Flickering lights, buzzing noises, and face plates that are warm to the touch are all signs that a circuit may be overloaded or wiring may be wearing thin. Each one of those signs is cause for immediate attention from a licensed professional electrician.



- c. The college encourages students to participate in paper presentation in various other colleges technical events. Many of our students participated and published papers in these events. Certificates were received for the same.
- d. Students are encourages to develop posters and banners for all college events, like VIBES, VIBGYOR, WORKSHOPS, SEMINARS etc. Some of them are given below as a sample.

News Letter (Sample):





**Geethanjali**  
College of Engineering and Technology  
*...Striving Towards Perfection*

A sample of news letter is given below.

**Cheeryal (V), Keesara (M), Ranga Reddy (Dist)- 501301**

**NEWS LETTER ISSUE # 05    TECHNO LIGHT    -2014    EEE Department**

**JULY-2014**

**Secretary:**

**Shri. G. R. Ravinder Reddy**

**Principal:**

**Prof. Dr. S.Udaya Kumar.**

**Head of the department:**

**Prof.N.V.L.Addanki.**

**Editorial board:**

**D.krishna.**

**- Asst.Professor (EEE).**

**Mercy Kavitha.**

**-Assoc. Professor(S& H).**

**Student Co-coordinator:**

**V.N. Sandeep Kumar -(EEE IV Year).**

**K .Sai varun - (EEE III Year).**

**There are some Maha ratna PSU in India where electrical engineers are gainfully employed.:**

- **BHEL**
- **NTPC**
- **SAIL**
- **ONGC**
- **IOCL**
- **HPCL**
- **ONGC:**

ONGC has various employment opportunities at lower, middle and senior executive levels in a large number of disciplines for which candidates can apply:

**Engineering**

- Civil
- Construction & Maintenance
- Drilling
- Electrical
- Electronics & Telecommunications
- Instrumentation
- Mechanical
- Production
- Auto
- Chemical
- Petroleum
- Instrumentation
- Computer Engineering and Programming

**Method Of Recruitment**

ONGC advertises the vacancies in the newspapers and displays the same online. Only the applications

specific to the advertisements are entertained which are received during the time limit stipulated in the vacancy notification / advertisement. The applications which are without reference to specific notification are neither entertained nor replied to.

### **How To Apply**

The candidate has to register online and fill up necessary details against each vacancy notified. Only those candidates who fulfill eligibility criteria of age, qualification and are accompanied with copies and testimonials are accepted.

### **Terms & Conditions**

Broad terms and conditions and general instructions which are specific to the advertised posts are incorporated in the advertisements / vacancy notification. Vacancies are notified or advertised as and when there is manpower requirement for any discipline. The executives in ONGC are transferable to any of its Assets, Basins, Institutions and Work-centers in India or abroad.

### **Introduction Levels For Executives**

<b>Executive Level</b>	<b>Present Pay Scale</b>
EXECUTIVE LEVEL – ONE (e.g. Assistant Executive Engineer / HR Executive / Geologist / Geophysicist etc.)	Rs.24,900-50,500/-
EXECUTIVE LEVEL- FOUR (e.g. Superintending Engineer / Manager/ Suptdg. Geologist / Suptdg. Geophysicist etc.)	Rs..36,600- 62,000/-

**Puzzle # 3: Whosoever shall solve these puzzles shall Rule The Universe!**



You have a basket containing ten apples. You have ten friends, who each desire an apple. You give each of your friends one apple.

Now all your friends have one apple each, yet there is an apple remaining in the basket.

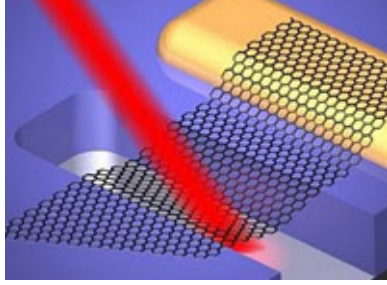
**How?**

**Real Personality:**

“Watch your thoughts, for they become words. Watch your words, for they become actions. Watch your actions, for they become habits. Watch your habits, for they become character. Watch your character,

for it becomes your destiny.”

## GRAPHENE: SOLAR CELL OF THE FUTURE?



A southern California University team has come up with what could be the alternative new breed of economical and flexible solar cells. For some decades now, organic photovoltaic cells (OPV) have been acclaimed as the new solar cell prototypes and extolled for their light weight, flexible substrates, low cost and easy manufacturability. Research is now being done on them.

### Features of OPVcell:

The most unique aspect of the OPV cell device is the transparent conductive electrode. This allows the light to react with the active materials inside and create the electricity. Now graphene/polymer sheets are used to create thick arrays of flexible OPV cells and they are used to convert solar radiation into electricity providing cheap [solar power](#).

New OPV design:

Now a research team under the guidance of Chongwu Zhou, Professor of Electrical Engineering, [USC Viterbi School of Engineering](#) has put forward the theory that the graphene – in its form as atom-thick carbon atom sheets and then attached to very flexible polymer sheets with thermo-plastic layer protection will be incorporated into the OPV cells. By chemical vapour deposition, quality graphene can now be produced in sufficient quantities also.

### Differences between silicon cells and graphene OPV cells:

The traditional silicon solar cells are more efficient as 14 watts of power will be generated from 1000 watts of sunlight where as only 1.3 watts of power can be generated from a graphene OPV cell. But these OPV cells more than compensate by having more advantages like physical flexibility and costing less.

**More economical in the long run:**

According to Gomez De Arco, a team member, it may be one day possible to run printing presses with these economically priced OPVs covering extensive areas very much like printing newspapers. In Gomez' words – “They could be hung as curtains in homes or even made into fabric and be worn as power generating clothing... imagine people powering their cellular phone or music/video device while jogging in the sun.”

**Advantages of OPVs:**

The flexibility of OPVs gives these cells additional advantage by being operational after repeated bending unlike the Indium-Tin-Oxide cells. Low cost, conductivity, stability, electrode/organic film compatibility, and easy availability along with flexibility give graphene OPV cell a decidedly added advantage over other solar cells.

**The team:**

The USC team, consisting of Chongwu Zhou, Cody W. Schlenker, Kounghmin Rye, Mark E. Thompson, Yi Zhang and Gomez De Arco published a paper about their research in [ACS Nano journal](#) and are very much excited about the future potential advantages and uses that are possible with the OPV graphene cells.



The 2014 FIFA World Cup has set new records for streaming data traffic around the world, as football fans watch matches online in greater numbers than ever before.

The FIFA World Cup broadcast production has already broken television viewing records in several territories around the world, underlining the growing popularity of the competition, including a breakthrough in the United States.

In the United States alone, a record-breaking 5.3 million unique viewers tuned in for the round-of-16 match between Belgium and the United States on ESPN and Univision platforms, representing unprecedented traffic for both broadcasters.



“We are proud to say that this FIFA World Cup has been the biggest multimedia sporting event in history, with more people watching matches and highlights online than ever before,” said FIFA Director of TV Niclas

Ericson.

FIFA TV actively supports its Media Rights Licensees with a variety of multimedia services including fully managed “white-label” solutions for the web, tablets and smartphones. It is the first time that a project on such a scale has been offered to the broadcast community. The services are delivered by FIFA World Cup broadcast production service provider HBS, with the support of

EVS, Netco Sports and deltatre.



The FIFA World Cup “white-label” second screen app has been downloaded more than 10 million times in more than 20 broadcast territories since its launch at the start of June, with up to three million fans accessing videos, statistics and live match content each

day. 24 million unique users have already watched some 15 million hours of content through FIFA’s multimedia services solutions alone. “More and more football fans want to watch high

quality, live coverage of matches on their tablets or mobile phones, as well as on their televisions,” said Stefan Wildemann, Manager of Sales and Distribution at FIFA TV. “These figures show just how fast our industry is adapting to a truly multimedia world. Only on the digital platforms can fans watch the FIFA World Cup from every possible angle.”

**To find the ideal current through the bulb:**  
 $P = IV$   
 $I = P/V = 60/240 = 0.25 \text{ A}$

**To find the resistance of bulb:**  
 $P = V^2/R$   
 $R = V^2/P = 240^2/60 = 960 \Omega$   
 Or  $R = V/I = 240/0.25 = 960 \Omega$

(Resistance of the bulb can be assumed to be constant unless non-ohmic properties are to be considered) *evan.toh*

**MOMENTARY SWITCH**  
 A SWITCH OR A SENSOR COULD BE AN INPUT INTO THE ARDUINO.

**FORCE SENSITIVE RESISTOR**

**DC MOTOR**  
 ANY OBJECT WE WANT TO TURN ON AND OFF AND CONTROL COULD BE AN OUTPUT. IT COULD BE A MOTOR OR EVEN A COMPUTER.

**WHAT'S THE DIFFERENCE BETWEEN DIGITAL AND ANALOG INPUTS AND OUTPUTS?**

**DIGITAL INFORMATION IS DISCRETE AND FINITE. ALL INFORMATION IS DESCRIBED IN TWO STATES, 1 OR 0, ON OR OFF.**

**ANALOG INFORMATION IS CHARACTERIZED BY ITS CONTINUOUS NATURE. IT CAN HAVE AN INFINITE NUMBER OF POSSIBLE VALUES.**

**INPUTS AND OUTPUTS CAN BE DIGITAL OR ANALOG. DIGITAL INFORMATION IS BINARY- IT IS EITHER TRUE OR FALSE. ANALOG INFORMATION IS CONTINUOUS, IT CAN HOLD A RANGE OF VALUES.**

**A SWITCH IS A DIGITAL INPUT, A SENSOR IS AN ANALOG INPUT. THE RANGE OF AN ANALOG SENSOR IS LIMITED BY ITS CONVERSION TO DIGITAL DATA.**



For Any Feedback sent mail – [Technolight-2010@gmail.com](mailto:Technolight-2010@gmail.com)

**5.3.6 Does the College have a Student Council or any similar body? Give details on its constitution, major activities and funding.**

Yes. The college has Student Council. It comprises rank holders of all section of all departments. A final year student will be the President, and a third year student will be the Secretary. They will provide constructive suggestions regarding the Teaching – Learning process, conduct of various extra-curricular and co-curricular activities. Also, they suggest changes/additional infrastructural requirements, sports requirements, improvement of transport facilities etc. on regular basis, which will be reviewed by the management for necessary action.



**5.3.7 Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities.**

The academic and administrative bodies have student representatives on them.

- a. Sports committee
- b. NEN committee
- c. Library committee
- d. Canteen committee
- e. Anti-ragging committee

The student representative enthusiastically participates in the meetings of the above named bodies and makes constructive suggestions for the improvement of their performance. Their views are given due consideration in the College Academic Committee meetings and appropriate decision taken.

## **CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 Institutional Vision and Leadership**

#### **6.1.1 State the vision and mission of the College.**

##### **Vision**

Geethanjali visualizes dissemination of knowledge and skills to students, who would eventually contribute to the well being of the people of the nation and global community.

##### **Mission:**

- To impart adequate fundamental knowledge in all basic sciences and engineering, technical and inter-personal skills to students.
- To bring out creativity in students that would promote innovation, research and entrepreneurship.
- To preserve and promote cultural heritage, humanistic and spiritual values promoting peace and harmony in society.

#### **6.1.2 Does the mission statement define the College's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, College's traditions and value orientations, vision for the future, etc.?**

- The society's development depends on economic development of the country and economic development is made possible by technological development and human resource development. Our mission being to produce technocrats equipped with sound knowledge in basic sciences and technical skills, and human values, the products of our college can contribute to economic development. The human values that we seek to inculcate in the students can help towards mitigating the ills of discrimination on grounds of gender, race, ethnicity, culture, religion and caste. The scientific temper which they have the potential to promote in the society can contribute to eradicating superstition.
- Our mission aims at moulding the personality of the students into a well-rounded one and turn them into technocrats with a human face. With these inputs from the institution, they can set lofty goals for themselves and thereby render service to the society and feel a sense of fulfillment. Their quality of life would be enriched in this manner.

- Our mission to preserve and promote cultural heritage and impart humanistic and spiritual values, is in sync with the institution's value orientation and vision.
- To summarise, the mission statements of the college define its distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, its tradition and value orientation and visions for the future.

### 6.1.3 How is the leadership involved in

- **ensuring the organization's management system development, implementation and continuous improvement**
- **interaction with stakeholders**
- **reinforcing culture of excellence**
- **identifying needs and championing organizational development (OD)?**
- **Leader ship involvement in ensuring the organization's management system development, implementation and continuous improvement**

The vision and mission of the college are formulated by the top management. The objectives of the college are set as derivatives of the Vision and Mission. The management systems represented by the policies, processes and procedures have been developed, involving the head of the institution and the senior, experienced faculty, for the attainment of the objectives. The effectiveness of the systems is reviewed and improved on a continual basis.

#### **Leader ship involvement in Interaction with stakeholders**

- The management, staff, students, parents, recruiters, professional bodies and alumni constitute the stakeholders of the institution.
- Interaction with the stakeholders takes place in the form of regular staff meetings, College Academic Committee meetings, department meetings, parent-teacher meetings, alumni meets, meetings with recruiters / industry personnel, meeting with professional bodies and so on.
- The interaction with stake holders throws light on how our policies and system are viewed by them, what lacunae have been noticed by them and what remedial measures need to be taken. The feedback is discussed in Academic Committee meetings and appropriate action taken.

#### **Leadership involvement in reinforcing culture of excellence**

The culture of institutional excellence has been woven into the very fabric of the institution. This is evident from the institutional initiatives listed below:

- Appointment of faculty and staff on purely merit basis.
- Faculty and staff are encouraged to conduct and participate in seminars, workshops and conferences.
- Faculty are also encouraged to acquire research degrees, take up research projects and avail themselves of faculty development programs etc and incentives are given to all such faculty who acquire research degrees.
- Staff are encouraged to acquire higher qualifications and incentives are provided to all those who acquire the same.
- Orientation programs are arranged for teachers, parents and students.
- A strong emphasis is placed on developing the skills of students in the sports arena as well.
- Academic experts are included in bodies such as the Governing Body, the IQAC etc, to benefit from diversity of perspective, leading to high quality decisions
- A state-of-the-art digital library is established.
- Seminars and invited lectures are arranged within the campus for the benefit of the teaching and student communities of our own and other institutions.

### **Leadership involvement in identifying needs and championing organizational development (OD)**

In the process of continuous monitoring by the leadership of the teaching-learning activities at the weekly meetings of college Academic committee, the shortcomings, the scope and need for improvement of managements systems and processes are identified.

- The Secretary of the college also attends some of these meetings when strategic decisions are to be taken. At these meetings, plans for growth and development are drawn up. The needs that are to be met for realization of growth and development are sketched out at these meetings and developed subsequently.
- The college management and top leadership is obsessed with the desire for organization development (OD), the planned intervention to increase the organization's effectiveness and health. Untiring efforts are put in this direction and the demands on the senior faculty, the leadership, to realize this are very exacting. These positions are therefore, filled with people with doctoral qualification and with rich industrial and research experience. As part of these efforts, the internal organisation of the academic departments is now being restructured

which would result in developing the junior faculty, motivating the faculty to carry on research, adoption of innovative teaching methods, aligning curriculum needs with industry needs etc. The details of the restructuring undertaken are presented in Sec.1.1.1 under “Curricular Aspects”.

**6.1.4 Were any of the senior leadership positions of the College vacant for more than a year? If so, indicate the reasons.**

No. The faculty turnover in the senior positions is low and, if and when a vacancy arises, it is filled on priority.

**6.1.5 Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?**

The statutory bodies of the college are: Governing Body, College Academic Council, Finance committee, Board of studies. All positions in these bodies are filled as per UGC guidelines and meetings are conducted at the stipulated intervals.

**6.1.6 Does the College promote a culture of participative management? If yes, indicate the levels of participative management.**

“YES”

- The college promotes a culture of participative style of management.
- The Governing Body of the college is the apex body to formulate the college vision, mission, objectives, strategies, goals. The Principal is its member secretary and the Chairman of the Governing Body is the Secretary of the college.
- The members are chosen as per UGC guidelines for autonomous institutions. Deans of the college are members of the Governing Body. HoDs are invited members. Governing Body takes strategic decisions and the Principal, Deans, HODs as members, are parties to such decisions.
- Principal, who, as the head of the institution, is vested with the responsibility to plan, organise, and control academic activities, delegates authority to the Deans, heads, coordinators, conveners and in-charges for organizing the day-to-day functions of the institution. These functions are performed as per the policies, procedures, norms laid down by College Academic Committee which consists of Principal, HoDs, and senior

professors.

- As seen from the organizational chart, the college is structured into departments, sections, and groups/divisions within departments. To assist HoDs and Group heads, in the day-to-day activities, several committees are formed at departmental level. Institutional level committees are formed to assist the Principal. Some of the committees are standing committees and some adhoc committees. The members of the committees are chosen from Professor, Associate Professor, Assistant Professor cadres.
- The committees are empowered to deliberate, investigate and recommend actions on various issues. Thus, participation in decision making goes right down to Assistant Professor.
- Some of the committees of the college are:  
Finance Committee, Training and Placement committee, Purchase committee, Library committee on Resources Review and Disposal(LCRRD), Library Advisory committee R&D committee, Discipline Committee, Canteen Committee, Institution News Letter committee, Grievances Redressal committee, Women Right Protection committee, Anti-ragging committee, Transport committee, Cultural committee, Sports committee, Stock verification committee.

#### **6.1.7 Give details of the academic and administrative leadership provided by the University to the College**

JNTUH, the affiliating university, has its representatives on the statutory bodies of the college mentioned at 6.1.5. The university nominees who are quite renowned in their respective fields, share their experiences with the committees and give vital inputs which are incorporated in all policy decisions of the college relating to academic and administrative matters.

#### **6.1.8 How does the College groom the leadership at various levels?**

- The leadership skills at various levels are developed as a byproduct of task performance by committees.
- The faculty members are involved in several committees which perform the tasks assigned independently.
- As part of their work, the faculty, as members or co-ordinators of committees, they learn to work in teams and develop interpersonal and co-ordination skills. They learn to divide the task among the members and take responsibility for their part of the task. Based on the performance of the committees, increasingly higher responsibilities are assigned to the

faculty.

- The skills so acquired are honed by exposure to skill development programs (FDPs) which they are encouraged to organize and participate in.

**6.1.9 Has the College evolved any strategy for knowledge management? If yes, give details.**

Yes. The college has a strategy for knowledge management, which may be described as follows:

**Knowledge harvesting:**

- Knowledge exists in the highly accomplished senior faculty of the college. This knowledge base is continuously sought to be widened through exposure of the faculty to the state of the art technology at institution sponsored seminars, workshops, where eminent personalities from universities, industry and research organizations take part.
- The institution's website provides complete information about the institution, faculty, on-going events, and activities of interest to the faculty and students.
- The college library has a large collection of books, journals and e-resources.
- The digital library, having intranet facilities is a storehouse of e-resources such as journals, e-books, articles etc.

**Knowledge sharing:**

The knowledge gathered from various sources is made available for all students and faculty. The students and faculty are directed and encouraged to use the college library with its large collection of books, journals etc and the digital library with intranet facility. The faculty deputed to various seminars, workshops, outside the college, are required to make brief presentations in the departments to the other faculty members on the proceedings of the event(s). The students of the college organize technical fests, and such other co-curricular events where papers are presented and evaluated, which require tapping of the knowledge bank of the college. Thus, sharing of knowledge happens through the use of library facilities, internet, intranet facilities, faculty-faculty and faculty-student interactions.

**Knowledge use:**

The knowledge gained by the students are used in their project work, paper presentations at Technical fests conducted by the college and other institutions; the faculty use the knowledge in their research work for paper presentation, paper publications, or as part of their thesis for

Ph.D programs. Research projects funded by DST, which are undertaken, also apply the knowledge acquired from various sources referred to.

#### **6.1.10 How are the following values reflected in various functions of the College?**

- **Contributing to national development**
- **Fostering global competencies among students**
- **Inculcating a value system among students**
- **Promoting use of technology**
- **Quest for excellence**

#### **Contributing to National Development**

- The college turns out graduates with technical knowledge, managerial skills, and employable skills. The college's placement cell showcases these skilled graduates to potential employers.
- The students are encouraged and motivated to become entrepreneurs by Career Guidance cell, EDC, and start-up cell of the college.
- The NSS team of the college is very active and renders service to society through organizing blood donation camps, eye camps, Swatch Bharat programs, clean and green programs.
- The college has adopted cheeryal village.

#### **Fostering global competencies among students**

- Organizing Campus Recruitment Training(CRT) classes conducted by TIME, a leading coaching institute in India. The CRT classes are scheduled during the working hours of the college and attendance is compulsory. The program is aimed at enhancing quantitative ability, verbal ability, reasoning skills, communication skills, group discussion skills.
- The students are encouraged to participate in cultural, sports events organized at college, inter college, university levels.
- The students are encouraged to actively participate in conferences, workshops at various levels.
- The students are encouraged to take membership of professional bodies.
- The students are exposed to guest lectures by experts whereby they get insights into the state of the art technology.
- Industry visits are organized. Through internship, and guidance in the selection of minor and major projects, competencies are developed.



### **Inculcating a value system among students**

- The importance of values and the spirit of service to society are emphasized by eminent speakers at the induction programs and at the Graduation ceremony.
- Courses on human values, gender sensitization are prescribed as part of the curriculum structure.
- Lectures by eminent personalities from Ramakrishna mission and such other organizations are conducted to give service orientation to their personality.
- Encouraging students to donate blood instill spirit of service in the students.
- NSS, NEN activities promote value systems.

### **Promoting use of technology**

- Teachers are encouraged to use PPT presentations in class rooms.
- The students are encouraged to use Digital Library with intranet facility.
- Webinars are organized.
- Student feedback is collected on-line.
- Student's daily attendance is communicated to parents through text messages.
- Important instructions, directions are posted on college website.
- The student performance in examinations can be accessed on-line by parents/students.

### **Quest for excellence**

- Outcome based education system is adopted
- A highly conducive environment is created in the campus for learning through provision of excellent infrastructural facilities, highly qualified and experienced faculty.
- Fee concessions are offered for top rankers in the common entrance test who are admitted to our college.
- Top rankers in each class are given cash awards every year.
- Faculty is recruited based on performance in demo-lecture-cum interview. The institution continuously scouts for the best available talent, salary being no constraint.
- Question papers for examinations are set on the basis of Bloom's taxonomy.
- Examination system is fool-proof with little scope for malpractice; malpractice rules are strictly followed.
- Students are encouraged to participate in large numbers in academic, literary, cultural activities and prizes are given away for winners.
- The faculty is encouraged to continuously update their knowledge, do research work, participate in the seminars, workshops for which an incentive scheme is in place

### **6.1.11 Give details of the UGC autonomous review committee's recommendations and its compliance.**

The college was conferred with autonomous status in AY 2016-17 by UGC for a period of 6years. The UGC review committee visits only towards the end of validity period of the autonomous status.

## **6.2 Strategy Development and Deployment**

### **6.2.1 Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy.**

- Teaching and learning
- Research and development
- Community engagement
- Human resource planning and development
- Industry interaction
- Internationalization

Yes, The College has a perspective plan for development. The aspects considered in the development of the policy and strategy are:

#### **Teaching and learning**

- Plan for substantial improvement in the quality of students admitted through improvement of brand image of the college.
- Adoption of interactive and traditional teaching and learning methods with a right balance.
- Improvement in the student engagement
- Reformation of examination system, with Continuous Internal Evaluation being the larger component of overall evaluation.
- Having smart class rooms in all departments.
- Promoting project- based, depth learning in lieu of surface - learning ,as at present
- Facilitating mobility across programs
- Internship agreements with reputed firms
- Offering a wide choice of course – faculty combination to students for registration, within the framework of curriculum structure.
- Making CBCS fully operational in form and spirit.

- Salary of faculty to be structured to have basic and incentive components, the latter based on revenue earned by the faculty from executive development programs organized by them and consultancy projects secured and executed.
- Rigorous academic audit

### **Research and development**

- Inculcating research spirit among the faculty
- Allocating 2% of revenue earned by the institution for R & D activities
- Establishing incubation centers in the college
- Instituting attractive rewards for producing quality research outputs.
- Publishing a research journal
- Encouraging collaborative research with industry, and other institutions.
- Linking salary hikes to research contribution made by the faculty
- Conducting seminars at department / institution level, being made mandatory.
- Encouraging students to undertake industry sponsored projects.

### **Community engagement**

- Adopting Cheeryal village and helping in its planned development over the long term.
- Conducting awareness drives in the vicinity of the college by Environment club in regard to energy conservation, using bio – degradable substitutes for plastics, etc, and monitoring implementation
- Progressively increasing the scale of NSS activities such as blood donation camps, tree plantation, awareness drives on AIDS, Swatch Bharath campaign, personal hygiene etc.
- Conducting free classes at local school(s), in English and mathematics by the college teachers.
- Extending help to old age homes by mobilizing funds from the staff of the college.
- Conducting skills-development programs for the un-employed youth in neighboring village community and extending financial and non-financial help to set up micro industries for manufacturing soaps, candles, paper bags etc.
- Encouraging faculty and students to take up community based research projects.

### **Human Resource Management:**

- Recruitment and selection of faculty and staff strictly on merit according to the HR policy of the college.
- Well defined roles and responsibilities.

- Establishing sound appraisal systems.
- Establishing salary structure
- Establishing equitable policy governing reward and punishment.
- Policy for capacity building, team-building of staff through SDPs, FDPs, workshops, Industry interaction.
- Establishing norms for promotion and career development.
- Focus on healthy work culture in the institution resulting in enhanced dedication, commitment, loyalty, devotion among the staff.
- Policy for payment of incentives for paper publications, participating in FDPs/Workshops to encourage continuous learning.
- Encouraging teachers to accept nomination by other institutions/industry as resource persons, consultants, members of various academic bodies etc.

#### **Industry interaction:**

- Enlisting experts from industry on our Governing Body, Academic Council, Boards of studies etc.
- Encouraging students to do industry sponsored projects.
- Encouraging faculty to take up consultancy assignments from industry.
- Organizing guest lectures by industry experts.
- Undertaking collaborative research with industries
- Signing student internship agreements with industries.

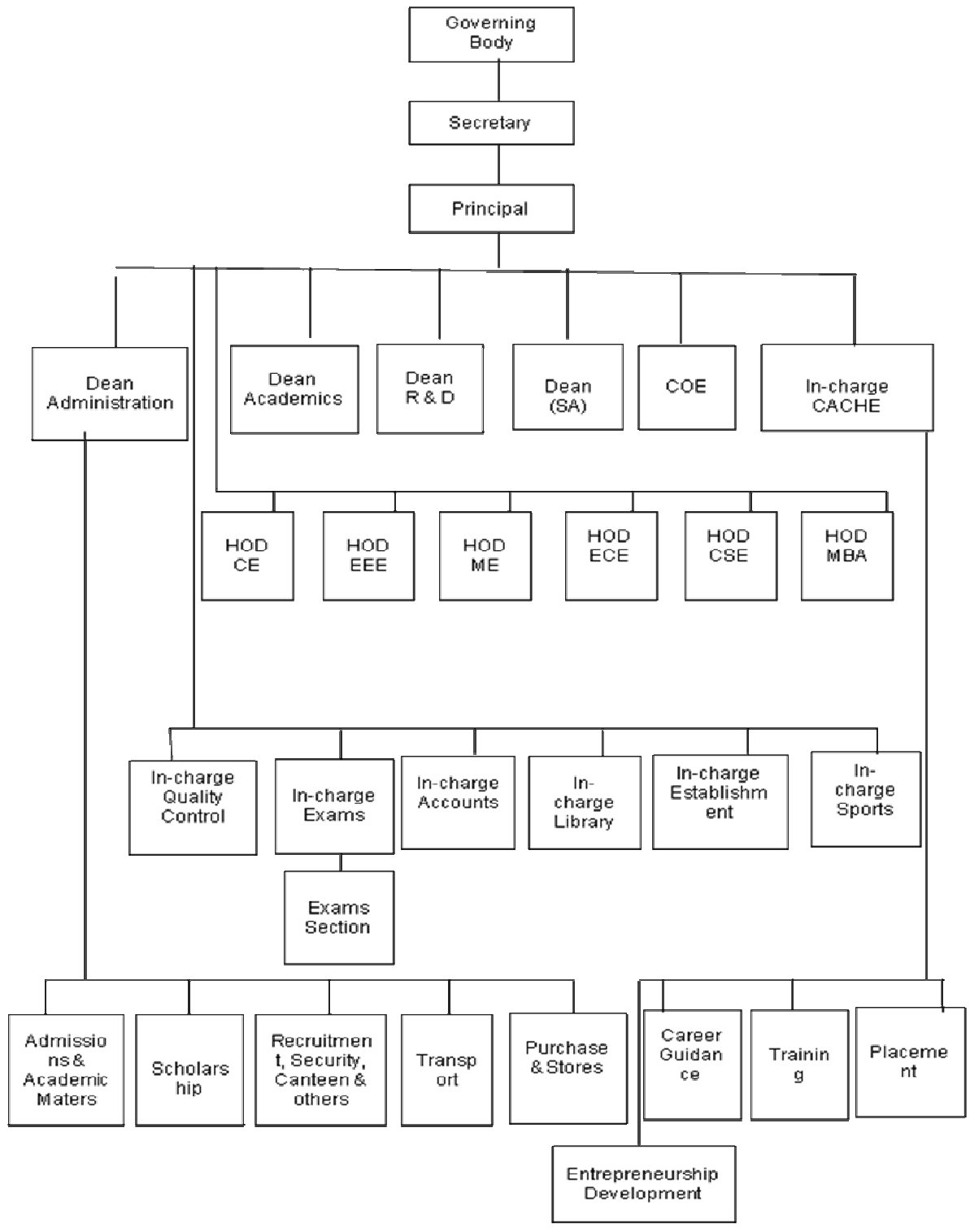
#### **Internationalization:**

- Encouraging faculty to establish contacts with their counter parts in foreign universities on the basis of commonality of specialization, or research areas, for sharing of knowledge and inputs.
- Having tie-ups/MoUs with a few foreign universities for exchange of faculty.
- Exploring the possibility of tie-ups with one or more reputed foreign universities whereby students can study at our college for half the duration of the program and the rest at the partnering foreign universities.

**6.2.2 Enunciate the internal organizational structure of the College for decision making processes and their effectiveness.**

The organization structure of the college is depicted in the following chart.

**Organizational Chart**



- The Governing Body (GB) is the apex statutory body that guides in the development of and approves the Vision, Mission, and Quality policy of the institution. It gives direction to the institution and monitors its performance.
- The other statutory bodies of the college are: College Academic Council, Board of studies, Finance committee.
- The Academic Council is solely responsible for all academic matters, such as framing of academic policy, approval of courses, regulations and syllabi etc., The council involves faculty at all levels, apart from experts from outside.
- The Board of studies frames the syllabi for various courses, reviews and updates syllabi from time to time, initiates new courses of study etc.,
- The Finance committee advises the Governing Body on financial matters. It considers the budget estimates and the audited accounts.
- The college has also the following non-statutory committees to assist the Principal/Secretary in the administration of the college
- Library Advisory Committee
- Library Committee on Resources Review and Disposal (LCRRD)
- Examination Committee
- Planning and Evaluation Committee
- Grievance Redressal Committee
- Student Welfare Committee
- Extra curricular Activities Committee
- Academic Audit Committee
- Admission Committee
- Women Protection Cell
- Purchase Committee
- Discipline Committee
- Anti ragging Committee
- Stock verification Committee
- Cast Accounting Committee
- Canteen Committee

Occasionally, as and when issues of importance and complexity come up, adhoc committees are formed by the Principal to advise him on the resolution of such issues.

## **Decision making Process**

The internal decision making process of the college is as follows

- The Secretary of GCET, in association with the Principal and Governing Body members sets the objectives, strategies and goals for the institution as a whole.
- The Principal, in association with Deans and HoDs of various academic and administrative units, translates institutional objectives, strategies, goals into objectives, strategies, and goals for various departments.
- Faculty recruitment is done as per the university norms, applicable to autonomous and affiliated colleges
- Faculty balance, in terms of experienced and fresh talent, and cadre ratio are decided by the Secretary and Principal, broadly following UGC/JNTUH norms; the deans and heads are then directed to scout for suitable staff members.
- Provisional appointments are made by the Principal and approved by the Secretary, subject to confirmation by staff selection committee, having JNTUH nominee as a member.
- It is the responsibility of departmental heads and deans to develop short term strategies, goals, tactics and budgets for various academic programs and get them approved by the Principal/Secretary.
- HoDs, in association with faculty members, develop course objectives, course outcomes, course mapping matrix, ILOs, course files, evaluation mechanism,
- The Principal is a link between the students and management.
- Most of the times, MBE(Management by Exception) is followed for execution of various day to day and routine functions of the institution by the Principal through deans and heads of the various departments.
- Faculty in-charges and student representatives of each department represent their special academic, administrative and R&D requirements, if any, to the HoD. HoD forwards the representation to the Principal for approval after vetting. The Principal refers the representation so received from HoDs for the recommendations of the committees concerned. On receiving the recommendations of the committees, the Principal reviews and sends them to the Secretary for final approval.
- Any requirements like consumables and non-consumables in labs, office and computer requirement, text and reference books and journals and e-learning resources are proposed by the faculty through heads. They are referred to the respective committees for final

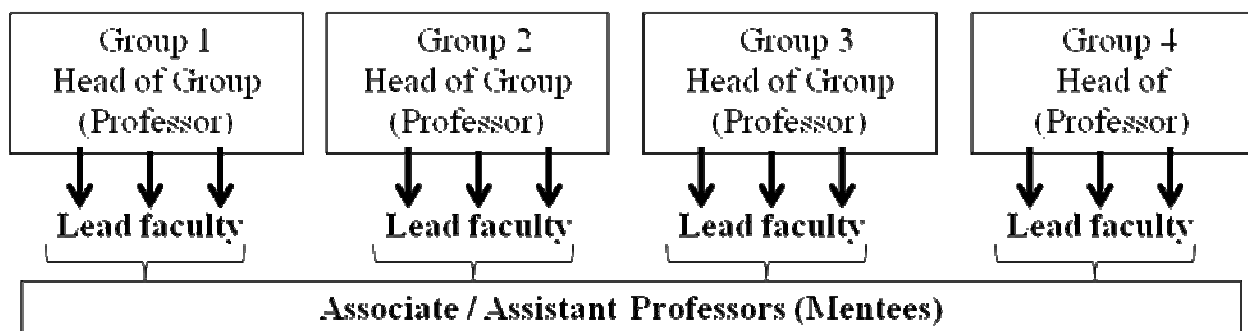
recommendation and procurement.

- All recurring and non recurring purchase proposals are invariably referred to Dean (Admin) and then sent to purchase committee for approval. However, it is the responsibility of Purchase and Stores department to obtain quotations, negotiate, place orders, based on the recommendations of department(s).
- The Principal co-ordinates and integrates the duties, responsibilities, roles and functions of the Deans, HoDs, sections-in-charge, chairmen, coordinators, conveners of various departments, cells and committees so as to align them with the institution's objectives and goals more effectively and efficiently.

### **Effectiveness of the organizational structure**

The organizational structure has been quite effective in the sense that it has facilitated fulfillment of the objectives of the college, overall. However, in pursuit of continuous improvement of teaching-learning process, we have planned to restructure the internal organization of departments. by creating specialized area groups and a hierarchy within each group.

The internal organizational structure would be as follows



The expected benefits of restructuring are given below

- A healthy mentor – mentee relationship among faculty
- More learning opportunities for junior faculty (mentees)
- Creation of a fairly good talent pool in various areas / specializations of the department
- Establishment and conduct of creative and innovative experiments in the lab courses
- Value added teaching – learning process through development of curriculum that promotes creativity and innovation in the students and faculty
- Research culture



- Better assessment and evaluation of students' performance
- Establishment of a second rung leadership in various specializations
- Smooth administration / functioning of the department

**6.2.3 Specify how many planned proposals were initiated/ implemented, during the last four years. Give details.**

The details of planned proposals initiated and implemented are as follows:

**Table 1. Infrastructure developments**

Plans initiated			Plans Implemented in
S.no	Year	Details of proposal	
1	2014-15	Construction of a new canteen	2015-16
2	2014-15	Construction of Ramp for washing college vehicles	2015-16
3	2014-15	Construction of additional security room at rear gate	2015-16
4	2015-16	Extension of 2 <sup>nd</sup> and 3 <sup>rd</sup> floors block -III	2016-17
5	2015-16	Construction of a shed for drivers	2016-17
6	2015-16	Establishment of sports room and boys common room in place of old canteen	2015-16
7	2015-16	Establishment of additional physics & chemistry labs & In place of old canteen	2015-16
8	2015-16	Extension of additional drawing hall in place of old canteen	2015-16
9	2015-16	Renovation of placement cell with erection of cabins/cubicles	2015-16
10	2016-17	Construction of work sheds on the back side of block –III	2016-17
11	2016-17	Extension of examination branch	2016-17
12	2016-17	Renovation of tutorial halls and converting them into class rooms	2016-17
13	2016-17	Renovation of chairman's office	2016-17
14	2016-17	Renovation of B.T. Road within the campus	2016-17
15		Construction of an auditorium	Not yet initiated

**Table 2. Addition of new programs/Increase of intake**

Plans initiated				Plans implemented in year
SI no	Program	Particulars	Year	
1	B.Tech (EEE)	Increase in intake from 60 seats to 120 seats	2015-16	2016-17
2	B.Tech (CE)	Addition of new program with intake of 120	2013-14	2014-15
3	B.Tech (Mech)	Addition of new program with intake of 60 seats	2011-12	2012-13
4	B.Tech (Mech)	Increase in intake from 60 seats to 120 seats	2012-13	2013-14
5	B.Tech (ECE)	Increase in Intake from 180 seats to 240	2012-13	2013-14
6	B.Tech (CSE)	Increase in Intake from 180 seats to 240	2012-13	2013-14

**Table 3. Purchase of Lab equipments/workshop machinery****A. Financial year 2013-14**

<b>Plans initiated and implemented</b>		
<b>Sl No</b>	<b>Description</b>	<b>Department</b>
1	Computer Peripherals (4)	CSE
2	Lab Components (4)	ECE
3	Lab Components	EEE
4	laptop mini	Principal office
5	LAB Software, Head Phones	S&H

**B. Financial year 2014-15**

<b>Plans initiated and implemented</b>		
<b>Sl No</b>	<b>Description</b>	<b>Department</b>
1	Computer Peripherals (4)	CSE
2	Digital Storage Oscilloscope, 5 kva stabilizer	ECE
3	lab Equipments	ece Edc lab
4	5 H DC shunt motor cople	EEE
5	Bosch Drilling machine, Lab componebts	EEE
6	4 TB HDD	ELCS Lab
7	Computer Peripherals	Library
8	CNC Lathe Bed	MECH
9	LED TV, LCD projector with stand	S&H
10	Chemicals (3)	S&H Chemistry Lab
11	Computer Peripherals	sports

### C. Financial year 2015-16

Plans initiated and implemented		
Sl No	Description	Department
1	EPSON? Printers, optical mouses, computer systems	CSE
2	Digital Storage Ossioscope	ECE
3	DC Regulalated power supply, core cables	ECE
4	lab Equipments	EEE
5	5 KVA Stablizer	EEE
6	Digital Multimeter	Mech
7	Mechanical Lab tools	Mech
8	Head Phones	S&H
9	12V 100Ah Ups batties	S&H ECE
10	lab Equipments	S&H Physics

### D. Financial year 2016-17

Plans initiated and implemented		
Sl No	Description	Department
1	Theodolites, Petax work station	Civil
2	lab Equipments	Civil
3	Head Phones, computer systems, computer peripherals	CSE
4	DSO	ECE
5	ECE Lab components	ECE
6	ECE Lab components (4)	ECE
7	EEE Lab components (3)	EEE

8	lab Equipments (5)	EEE
9	Lab components (2)	EEE
10	LCD Projector	Mech
11	lab Equipments	Mech
12	Mechanical Lab tools (11)	Mech
13	Camera, sound systems	s & H,
14	Calicite prism	s & H,
15	Compression testing machine	s & H,
16	Characteristics of LED	S&H
17	Lab Software	S&H

#### 6.2.4 Does the College have a formally stated quality policy? How is it designed, driven, deployed and reviewed?

- The quality policy of the college as formally stated is “we aspire to continuously improve our performance through systematic monitoring and up gradation of all aspects of Teaching-learning process”
- The quality policy is **designed** based on the vision and the mission of the college. The policy was developed following several brain-storming sessions with all the senior faculty, experts from industry, the Principal and the Secretary participating in it. The brief policy statement gives direction to the efforts to be put towards fulfillment of our Mission and realization of our Vision.
- The quality policy is **driven** by the important role played by teaching-learning process in the delivery of quality education which is the *raison d'être* of the institution.
- Teaching and learning is a multidimensional process and unless each of the dimension is identified, processes planned, operationalized, and monitored, the teaching-learning process would not be effective. This understanding of the process has **driven** the formulation of our quality policy which emphasises systematic monitoring of all aspects of the teaching learning process

### **Deployment of Quality Policy:**

- The college recruits faculty following a stringent process. As a result, the faculty profile is very impressive with 40 doctorates, and all the others with post-graduate qualification. Some of them have industrial/research experience.
- The course file, lab manuals are prepared by the faculty in accordance with the guidelines developed for the purpose and meeting the required quality parameters.
- Standards for the teaching process have been developed and the performance of faculty evaluated for each criterion at pre-quality check, process-quality check and final-quality check stages.
- Quality control committee of the college is responsible for academic quality control. The committee's members are drawn for all the departments and it functions under College Academic committee (CAC), The QC committee conducts quality checks twice in a semester and submits its report to the Principal, who is also the chairman of the CAC. The CAC examines the report and advises corrective actions to be taken for quality improvement, where required. The HoDs carry out the actions.

### **Review of Quality Policy**

The quality policy of the college is reviewed once in 5 years. As of now, it has been reviewed twice and found to be quite relevant and recommended for retention.

#### **6.2.5 How does the College ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?**

- The grievance of students and staff could be broadly classified as those which can be addressed at their department/section level and those which can be resolved at institution level. The former types of grievances are represented to the HoD/section in-charge and the latter kinds are represented to the Principal through the HoD/section-in-charge concerned.
- Most grievances are of minor nature and are satisfactorily resolved by the HoD, and section-in-charge. Grievances which cannot be thus resolved are referred to Grievance redressal committees. There are separate committees for students and staff. The committees examine the grievance and submit their report with recommendations to the Principal who acts on the report.

- Women protection cell, chaired by the Principal, deals with complaints/grievances submitted by girl/woman students and staff.
- The parents of the students are open to air their grievances, on behalf of their wards at parent teacher meets or through personal interaction with HoD, section-in-charge or Principal. The redressal of their grievances follows the same procedure as outlined above.
- All grievances of the stake holders are addressed to their satisfaction. At the College Academic Committee meetings, the members bring up grievance cases which are complex and need policy changes for resolution. Such cases are discussed threadbare and suitable solution is worked out.

**6.2.6 Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?**

**Mechanisms for collection and evaluation of student feedback**

- Course End Surveys and Course Assessment metrics are used to understand student opinions on achievement and attainment of course objectives and outcomes. Faculty, in consultation with Heads, will address these issues from time to time.
- Exit feedback is collected, on all aspects, from outgoing students to improve curriculum in the light of its vision, mission, PEOs, POs and Graduate Attributes.
- The views of the students are given due consideration revisiting its short-term goals for the benefit of existing students and other stakeholders.
- IQAC will take care of maintaining quality of the curriculum.
- Feedback is also taken on Infrastructural facilities.

**Evaluation of and response to student feedback on teachers**

Twice in every semester, the students evaluate the teachers handling their respective subjects covering various aspects of student-teacher interaction through a computerized structured format.

The computer on-line-evaluation pertains to:

- Teaching process dimensions viz: punctuality and regularity of the teachers, teacher's control and conduct of the class, understandability of lectures, discussion of class tests, tutorials & assignments and syllabus coverage.
- Assessment of college environment, facilities and management responsiveness measured on

the following dimensions: College environment, Cleanliness/sanitation, Library facilities, Canteen Water supply, Games/Sports, Transport , HOD's attitude towards problem resolution, Principal's response to grievance, Support of management in general.

Absolute privacy and confidentiality is maintained so as to avoid the individual student assessor's identity. After the evaluation process is completed, if any faculty member is found to be deficient, he/she is counseled, advised and trained to improve through an advisory committee consisting of Professors and Head concerned. The institutional administration takes necessary steps to encourage and reward teachers with excellent performance through appreciation letters, additional increments or promotion.

#### **6.2.7 In what way the affiliating University helped the College to identify the developmental needs of the College?**

- JNTUH has its nominees on the Governing Body, Academic Council, Boards of studies, Staff Selection Committee of the college. These nominees, who are invariably very senior and experienced professors, play a very active role in their respective areas and enforce conformance to applicable standards and norms of UGC/AICTE/JNTUH.
- Though our college has been granted "Permanent Affiliation" by JNTUH, it is the practice of the university to renew affiliation to various programmes each academic year, after inspection.
- As and when the college plans **development** in terms of introducing new programmes , increase of intake, introduction of new courses or effects changes in the syllabi, additional facilities are to be created in order to have university affiliation renewed. These include increased faculty strength with appropriate qualifications, additional laboratories, additional class rooms, additional lab equipments etc. The process of affiliation ensures that the needs are **identified** and provided for.

#### **6.2.8 Does the affiliating university have a functional College Development Council (CDC) or Board of College and University Development (BCUD)? If yes, In what way College is benefitted.**

No



### **6.2.9 How does the College get feedback from non-teaching, teaching, parents and alumni on its functioning and how it utilized?**

- The policies, systems and procedures of the institution are framed aligning the interests of the institution and all sections of the staff. Notwithstanding this, a few issues crop up now and then. The non -technical, non –teaching staff represent their problems, to the Administrative Officer or Dean – Admin, which are promptly attended to. Most such representations are in unwritten form, though some of them are formal.
- The technical, non-teaching staff report work related issues to Lab – in charge, who, with the intervention of HoD, resolves the issues and suggestions if any, are acted upon to their satisfaction.
- The teaching staff have opportunities to articulate their feedback in departmental meetings chaired by HoD. The views of the staff on the functioning of the department are considered, discussed and appropriate decisions taken to their satisfaction.
- The daily attendance of every student is informed to his/her parents through text messages. The students' marks are uploaded on the college website, which can be accessed by the parents. The students' mentors keep in touch with the parents, where their intervention is felt necessary, for the good of their wards. Parents seek their wards' progress from the HoDs, both telephonically and in person . The parent-teacher meet is another platform where the feedback of parents is obtained. Well- meaning, feasible suggestions are considered and implemented.
- At the alumni meet, held once every year, their feedback is taken in a suitably designed format. The alumni are invited to speak on the occasion and their suggestions are noted and acted upon subsequently.

### **6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?**

The departments exercise considerable autonomy in the administration of their departments. Some of these administrative activities are as follows:

- Designing curriculum: The BoS, chaired by the HoD, and having the entire faculty teaching the courses, as members, prepares the curriculum taking in the views expressed in the meetings.

- Identifying the requirements of facilities, faculty, preparing annual departmental budgets.
- Organizing guest lectures, training programmes for students based on need analysis.
- Conducting seminars, workshops, FDPs.
- Preparing time tables, allocation of subjects/courses to the faculty
- Conducting demo lectures and practical tests to prospective faculty and lab-assistants.
- Recommending substitute subjects for re-admitted students on account of change in academic regulations.
- Recommending panel of external examiners for paper setting, valuation of answer scripts, conducting lab exams.
- Mentoring of students
- Enforcing student / faculty discipline rules.

The autonomy exercised by the departments are circumscribed by the broad policies of the college.

At the weekly College Academic Committee (CAC) meetings chaired by the Principal, the activities of departments are reviewed. Inputs for deliberation are given by HoDs, apart from Dean, Academics, the Dean, Admin, Dean, Students Affairs, Dean, R & D, CoE, and In-charge of IQAC. In the discharge of coordinating functions performed by the senior faculty in the positions of Deans, CoE, I/c IQAC, they get feedback on the systems and practices of the academic departments. If any instances of abuse of freedom are noticed they are brought to the notice of the HoD/Principal and those concerned are pulled up and consequential corrective actions are taken thereafter. **Accountability** for the autonomy given to academic departments is thus ensured.

#### **6.2.11 Does the College conduct performance auditing of its various departments?**

Yes

Result analysis, student feedback, IQAC surveys, among others, constitute the mechanism for audit of departmental performance.

### **6.3 Faculty Empowerment Strategies**

#### **6.3.1 What efforts are made by the College to enhance the professional development of teaching and non teaching staff?**

The college makes efforts aimed at professional development of the teaching and non-teaching

staff; some of the measures are listed below

- Sponsorship to attend national conferences/international Conference / FDPs / short-term Courses providing financial assistance which includes registration fees, travelling allowance, board and lodging expenses
- Conduct of training programs on pedagogy for newly appointed staff
- Nomination of faculty members as resource persons in the FDPs / workshops / seminars/ Conferences / technical paper contests organized in – house
- Having tie-ups with IUCE webinars, online NPTEL, Audio Visual lectures.
- Giving incentives for getting sponsored research projects, journal publications, paper presentations.
- Granting special (OD) leaves for Ph.D related research study.
- Granting special (OD) leaves for valuation of exam answer scripts at JNTUH spot valuation centre
- Granting special leave (OD) for the faculty nominated / selected for exam related work at other institutions.
- Giving incentives for acquiring Ph.D qualification by teaching staff and higher academic qualification by non-teaching staff
- Encouraging faculty to deliver guest lectures at other institutions.
- Giving financial assistance for membership registration in professional bodies
- Training of technical staff in labs by senior faculty members
- Organizing in-house skill-development programs like soft-skills training, Computer skills in the use of MS Office tools

**6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.**

- The performance of a faculty member is evaluated based on the appraisal reports of the HoD, the student feedback and Result Analysis
- High performers are entrusted with higher responsibilities, and considered for special increments and are given appreciation letters to motivate them for keeping up their performance.
- Where the performance is found to be below par, the weaknesses of such faculty are identified and communicated to them by the respective HoD. They are further counseled to put in greater efforts to improve their performance. If knowledge gap is

observed, they are encouraged to take training and attend workshops, training programs etc. for improvement of technical knowledge.

- If the appraisal exercise reveals serious deficiencies or limitations in an individual or the department as a whole, some major decisions are taken like.
  1. Giving notice to a low-performing faculty member to submit resignation.
  2. Recruiting new faculty to replace those who are thus made to leave/resign.
  3. Strengthening the department by recruiting faculty with high credentials

### **6.3.3 What are the welfare schemes available for teaching and non teaching staff?**

**What percentage of staff have availed the benefit of such schemes in the last four years?**

The following are some of the schemes / benefits offered by the Institution.

- EPF contribution by Management to all the eligible staff members.
- Free Medical facility at the institute
- Subsidized transport to needy staff members
- Vehicles and Bus Passes to the Runners/Messengers.
- Public transport Bus Passes to all drivers.
- Special Allowance to Training and Placement Officers
- Need Based Financial Assistance to staff
- Cell-Phones and Laptops to HODs for better connectivity and networking.
- CLs, HPLs, CCL, Medical Leave and Examination Leave as per their eligibility.
- Maternity Leave for female employees
- Special Leave to staff on the occasion of their marriage
- Health Awareness camps within campus and Free Medical Check-ups.
- Sports and Cultural activities conducted with the participation of staff at the time of annual day celebrations
- Fee concession to children of staff members who are studying in GCET.
- Financial assistance for higher studies.
- Canteen facility for students and staff.

The beneficiaries of some important welfare measures are as follows

No	Facility	Employees benefited out of 473 on rolls	%	Remarks
1	EPF	All	100 %	
2	ESI	All eligible employees	100 %	
3	Medical facility	Emergency OTC medicines available to all in the college.	100 %	
4	Subsidized transport	175	88%	
5	Vehicles and Bus Passes	Bus passes to 44 drivers. Vehicles to all Professors / HODs.	25%	
6	Special Allowance to Training and Placement Officers	3 TPOs, 3 exam staff branch, Maintenance staff: 1, Admin staff : 1		
7	Need Based Financial Assistance to staff	75		
8	Cell Phone/Laptops	To all department in charges		
9	Special Leaves	9		
10	Maternity Leave	31		
11	Medical Leave	5		
12	Study Leave	5		
13	Concession in Fees of Staff Children in GCET	3		
14	Financial Assistance for Higher Studies/ International conference and journals.	29		

#### **6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?**

The college has always maintained a vibrant academic atmosphere which is the key to attract and retain eminent faculty and shown appreciation for all the achievements of the faculty.

- The college has a well defined recruitment policy within the framework of the Government norms, with adequate facilities for research and extension activities.
- Appointments of faculty and staff are made purely on merit.
- All teachers enjoy academic freedom and there is absolutely no preferential treatment or victimization.
- The Institution encourages eminent faculty to publicize their area of expertise. It provides maximum opportunities for extraordinary teachers to implement their innovative ideas.
- The Institution provides physical facilities such as well furnished faculty and staff rooms, free internet access, computers, well equipped laboratories and a digital library and provides an atmosphere conducive for teaching and learning.
- The Management appreciates the achievements of the faculty and staff in the faculty and staff meetings held periodically.
- Quality enhancement programs are arranged for the faculty and staff.
- Research is given priority, publications, research projects and paper presentations are encouraged.
- Teachers are encouraged to attend seminars, workshops, conferences and orientation programs.

The following are the some of the institutional initiatives in this direction.

Special increments, promotions and compensation packages are provided to eminent faculty, comparable with the best in the field

- Special transport allowances and facilities
- Provident fund contribution
- Flexible, convener, timings
- More weekly offs
- Motivation to apply for consultancies and externally funded R&D Schemes
- Industrial Associations//Professional Body Members/Professional Associations tie up will help to attract eminent professors to our organization

**6.3.5 Has the College conducted a gender audit during the last four years? If yes, mention a few salient findings.**

Yes

Gender audit has been done to ascertain the composition of staff & students by gender and the pass particulars of girl students as compared to boy students. The following observations are made on the basis of the formal audit as above and the informal analysis made and discussed in several meetings.

**Faculty and staff**

- The ratio of male to female faculty is 1.3:1
- The absenteeism among female staff and faculty is higher
- The willingness of male staff / faculty to work late hours is higher
- Male faculty are more effective in class control
- Engagement of faculty in research work, paper publications is higher among males.
- The female faculty show higher levels of interest and enthusiasm in conducting literary and cultural events.
- The stability of tenure is higher among female faculty.

**Students**

- The number of girl students admitted exceeds the quota reserved for them.

Pass percentage of girls is higher. Higher percentage students become eligible for placement tests/interviews.(See table given below)

**Placement details**

S.No	AY - 2013-14			AY - 2014-15			AY - 2015-16			AY - 2016-17		
	Strength	Eligible	Placed	Strength	Eligible	Placed	Strength	Eligible	Placed	Strength	Eligible	Placed
Male students	233	120	98	249	160	142	399	146	110	424	170	154
Female students	209	160	110	196	180	141	222	194	173	241	250	234

- The percentage of girls participating in literary and cultural activities is higher.
- The percentage of boys participating in sports and games is higher.
- The number of girl students admitted in Mechanical and Civil branches is much less than that of boy students.
- Girl students are more attentive to class lectures.
- Girl students are more regular to classes and have higher percentage of attendance.
- Higher percentage students bag ‘Top Ranker’ awards.

#### **6.3.6 Does the College conduct any gender sensitization programs for its staff?**

The staff of our college are in the mature age group and quite aware of the special needs, sensibilities and characteristics of the opposite gender. Hence the need for gender sensitization has not been felt. It may be relevant to mention here that a course titled Gender Sensitization is taught to students at UG level.

#### **6.3.7 What is the impact of the University’s UGC-Academic Staff College Programs in enhancing competencies of the College faculty?**

No such programs have been conducted for the benefit of our college faculty

### **6.4 Financial Management and Resource Mobilization**

#### **6.4.1 What is the institutional mechanism to monitor effective and efficient use of financial resources?**

- Budget proposals for one year are prepared by respective departments/sections at the beginning of financial year.
- The finance committee of the college scrutinizes the budget proposal and gives its recommendations.
- The Principal / Secretary / Governing Body consider the recommendations of the finance committee and approve the budget proposals with revisions, if found necessary.
- Funds are mobilised as per the requirements projected in the budgets.
- The expenditures are planned and incurred as per the provisions made in the budget.
- Expenses not provided for in the budget need to be authorized by the secretary/Governing body, on the basis of their importance and the ability to arrange for funds



- The purchase committee oversees purchases of material ensuring reasonableness of price.
- Before committing a purchase of material or service, the previous prices paid are compared with the proposed prices, and if necessary, negotiations are conducted and orders placed.
- The process outlined above ensures effective and efficient use of financial resources.

**6.4.2 Does the College have a mechanism for internal and external audit? Give details.**

Yes

- The college has an internal audit system where the receipts, bills and vouchers, supporting documents are verified periodically.
- External audit is conducted by a registered Chartered Accounting firm.

**6.4.3 Provide audited income and expenditure statement of academic and administrative activities of the previous four years.**

Audited income and expenditure statements of the previous four years is given in the following table

INCOME					
S.no	Particulares	2012-13	2013-14	2014-15	2015-16
1	Fees Received	103206300	137492825	176741650	199352750
2	Other Income	51873265	54089812	55812818	76522781
3	Excess of Expenditure over income	15388839	0	1519342	18727947
	<b>Total Income</b>	<b>170468404</b>	<b>191582637</b>	<b>234073810</b>	<b>294603478</b>

EXPENDITURE					
S.no	Particulares	2012-13	2013-14	2014-15	2015-16
4	Payments & Amenities to Employees	84595871	104232348	124732881	168554195
5	Building & College Maint.exp	23526084	22535129	35261445	21938275
6	Administrative Operational Exp	17446251	20442605	26175349	47843591
7	Interest & Finance Charges	16144334	15600318	20537826	25301896
8	Depereciation	28755864	27969054	27366309	30965521
	Excess of Income over Expenditure	0	803183	0	0
	<b>Total Expenditure</b>	<b>170468404</b>	<b>191582637</b>	<b>234073810</b>	<b>294603478</b>

**6.4.4 Have the accounts been audited regularly? What are the major audit objections and how are they complied with?**

Yes

There have not been any adverse remarks made by the auditors.

**6.4.5 Narrate the efforts taken by the College for resource mobilization.**

Tuition fees, admission and miscellaneous fees are the main source of funds for the college. Constant efforts are made to collect fees in time to meet cash out flow requirements.

To bridge the gap between cash inflow and budgeted outflow, additional funds are generated as follows.

- a. Loans from Teja Educational society in the form of non-interest bearing fund
- b. Loans from Canara Bank, Abids branch bearing interest.
- c. Rental income from TCS, TSPSC, GATE, EAMCET conveners etc., for conduct of various online/offline competitive examinations.

**6.4.6 Is there any provision for the College to maintain the ‘corpus fund’? If yes, give details.**

Yes; the college has corpus fund amounting to Rs. 63,325,803-00, being the capital investment.

**6.5 Internal Quality Assurance System**

**6.5.1 Does the College conduct an academic audit of its departments? If yes, give details.**

Yes, The Academic audit committee conducts academic audit of the departments annually. All the Heads of the departments present the activities and achievements of their respective departments in the Administrative and Academic Audit form which is essentially based on NBA format. Constructive criticism is offered by the audit committee.

**6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?**

Based on the recommendations of academic audit, specific measures have been taken by the college to improve teaching, learning and evaluation. They are:

- Improvement of library facilities
- Organization of seminars and workshops for the faculty and staff to further improve their skills
- Staff are encouraged to publish their research work and engage in research activities.
- The computer training for the office staff has increased the administrative efficiency of the office.
- Quality of classroom instruction, course files, lab experiments and lab manuals, assignments, question papers for internal assessment, tutorial sessions etc.
- Maintenance of a teacher's diary to record work done by teachers
- Publishing newsletters / magazines etc.
- To showcase creative exhibits and the activities of the departments
- Subscribing to on-line journals.
- Improving extension activities
- Optimum utilization of e-journals.
- More ICT enabled / innovative teaching
- Conducting Value education classes
- Starting short term courses
- In addition, the college gets the audit done by external agency and is ISO 9001-2008 certified institution.
- Three UG programs were accredited by NBA. Applied for reaccreditation of the UG programs.
- CYIENT, a highly reputed Engineering and IT services company also conducted its audit for conducting campus placements in the college.

**6.5.3 Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

Yes, College Academic Committee is the central body which continuously reviews the teaching - learning process.

The structure, methodologies of operations, and their outcome is are as follows:

- Weekly reports are collected from faculty on the progress made in the completion of syllabus.
- Three separate student counsellors are available for each section, who act as mentors

to the students

- Mentoring sessions to provide students with personalized support are regularly held.
- In addition, a class adviser is provided to each section.
- Detailed lesson plan and subject-wise lecture notes are required to be provided by each faculty member. The faculty members have to give assignments to students for their assessment.
- Lab manuals are prepared by the institution and made available to the students so that the students can correlate their theoretical concepts with practical application.
- Special tutorial sessions and remedial classes are conducted to help slow learners, who are identified by means of an entry level test and from their performance in class tests.
- Tutorials, seminars, workshops, and sessions to discuss the sessions performance in assignments, tests are held.
- Parent-teacher meetings are held regularly to inform the parents about the performance of their wards and instructions are given for improvement. Parents can also see their ward's performance on college portal / winnou software.
- Mid Examination results are analyzed and reviewed. Strategies for improvement are devised and implemented at department level.
- IQAC verifies if lesson plan, course files are provided by the faculty. It also organizes student feedback and conducts academic audit.
- Hods review, once a fortnight, the student attendance reports, mentor books, syllabus coverage by the faculty, mid examination performance of students, conduct of tutorial classes and remedial classes as scheduled.
- Dean-Academics collects weekly progress reports submitted by the faculty
- The Research committee having the Principal as chairman promotes the research activities of the college. It monitors applications for research projects and the progress of sanctioned projects.
- The Research committee conducts sessions for faculty and motivates them to do research by stressing on the aspect that teaching and research go together.
- The Research committee also informs the faculty that their research should be brought into the class room in the sense that their research should be well connected to the students' curriculum and should facilitate students with the emerging trends in the area of their study for a progressive long term career.
- The College Academic committee meets once a week to review the academic and

administrative matters with particular emphasis on teaching-learning process. The inputs for the meeting are provided by IQAC, Hods, Dean-Academics, Research committee. The committee develops strategies for improvement of teaching-learning process as required, with responsibilities fixed clearly. Compliance with the decisions taken in the meeting are verified in the next week's meeting

**6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?**

IQAC has contributed to institutionalizing QA strategies through;

- Identification of quality parameters for academic activities.
- Establishment of a system for measurement of quality parameters.
- Design of forms for data collection and measurement of performance.
- Developing benchmarks and metrics for grading performance.
- Co-ordinating feedback collection from students, parents, alumni and employees.
- Organizing review of performance quality for reinforcing good performance and planning corrective actions in the deficient areas.

**6.5.5 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.**

Yes. Alumni representatives, Industry representatives are the external members of IQAC.

Their contributions have helped in:

- Improved R&D work of students
- Improved placements
- Enhanced motivational levels of students

**6.5.6 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?**

Yes, a study has been conducted. The study, however, does not show any evidence of a pattern in the growth of students from disadvantaged sections of society. The performance of SC, ST, BC students over the last 3years is more or less at par with that of OC students. Statements showing pass particulars of students, classified on caste basis, for the last 3years are enclosed.

PASS PARTICULARS OF STUDENTS FOR THE YEAR 2013-14															
Course		Total No. Students		Out of them											
				Scs		STs		BCs		Muslims		Christmas		Others	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
B.Tech - EEE	Apeared	43	26	5	3	1	2	25	10	---	1	---	---	12	10
	Passed	36	26	4	3	1	2	22	10	---	1	---	---	9	10
	pass %	83.72	100	80	100	100	100	88	100	---	100	---	---	75	100
B.Tech - ECE	Apeared	68	49	6	7	4	2	27	15	4	2	1	---	26	23
	Passed	65	48	6	7	4	2	25	15	3	2	1	---	26	22
	pass %	95.58	97.95	100	100	100	100	92.59	100	75	100	100	---	100	95.65
B.Tech - CSE	Apeared	51	70	3	8	5	1	18	20	2	3	---	---	24	37
	Passed	47	68	3	8	4	1	18	20	2	3	---	---	20	36
	pass %	92.15	97.14	100	100	80	100	100	100	100	100	---	---	90.9	97.29
B.Tech - IT	Apeared	54	59	7	7	---	---	18	23	3	1	---	---	27	29
	Passed	46	56	4	5	---	---	16	21	2	1	---	---	26	27
	pass %	85.18	94.91	57.1	71.42	---	---	88.9	91.3	66.7	100	---	---	96.29	93.1
B.Tech - ME	Apeared	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Passed	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	pass %	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M.Tech - VLSI	Apeared	4	8	3	3	---	---	1	3	---	---	---	---	---	2
	Passed	3	8	2	3	---	---	1	3	---	---	---	---	---	2
	pass %	75	100	66.66	100	---	---	100	100	---	---	---	---	---	100
M.Tech - SE	Apeared	11	7	1	1	---	---	5	3	1	---	---	---	4	3
	Passed	9	6	---	---	---	---	5	---	1	---	---	---	3	---
	pass %	81.81	85.71	---	---	---	---	100	---	100	---	---	---	75	---
M.Tech -	Apeared	10	6	1	---	1	---	4	3	2	1	---	---	2	2

ES	Pass ed	10	6	1	---	1	---	4	3	2	1	---	---	2	2
	pass %	100	100	100	---	100	---	100	100	100	100	---	---	100	100
M.T ech - ECE	Apea red	9	4	2	1	---	---	3	1	1	---	---	---	3	2
	Pass ed	6	4	---	1	---	---	3	1	---	---	---	---	3	2
	pass %	66.6 6	100	---	100	---	---	100	100	---	---	---	---	100	100
M.T ech - CSE	Apea red	11	7	---	1	---	1	9	3	---	---	---	---	2	2
	Pass ed	9	7	---	1	---	1	7	3	---	---	---	---	2	2
	pass %	81.8 1	100	---	100	---	100	87.5	100	---	---	---	---	100	100

**PASS PARTICULARS OF STUDENTS FOR THE YEAR 2014-15**

Course		Total No. Students		Out of them											
				Scs		STs		BCs		Muslims		Christmas		Others	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
B.Tech - EEE	Apeared	54	18	6	2	2	---	33	6	2	---	---	---	11	10
	Passed	41	15	3	2	1	---	27	5	1	---	---	---	9	8
	pass %	75.92	83.33	50	100	50	---	81.8	83.33	50	---	---	---	81.81	80
B.Tech - ECE	Apeared	76	56	4	10	2	2	29	23	3	3	---	---	38	18
	Passed	52	47	3	8	2	---	18	20	1	3	---	---	28	16
	pass %	68.42	83.92	75	80	100	---	62	86.95	33.3	100	---	---	73.68	88.88
B.Tech - CSE	Apeared	52	65	6	8	4	2	18	24	2	1	---	---	22	30
	Passed	41	62	4	8	3	2	16	22	2	1	---	---	16	29
	pass %	78.84	95.38	66.7	100	75	100	88.9	91.66	100	100	---	---	72.72	96.66
B.Tech - IT	Apeared	49	64	8	4	2	---	17	21	---	---	---	---	22	39
	Passed	40	63	5	4	2	---	13	21	---	---	---	---	20	38
	pass %	81.63	98.43	62.5	100	100	---	76.5	100	---	---	---	---	90.9	97.43
B.Tech - ME	Apeared	51	7	7	---	4	---	22	5	2	---	---	---	16	2
	Passed	44	7	5	---	4	---	21	5	1	---	---	---	13	2
	pass %	86.27	100	71.4	---	100	---	95.5	100	50	---	---	---	81.25	100
M.Tech - VLSI	Apeared	12	6	3	---	1	1	6	4	---	---	---	---	3	1
	Passed	3	4	1	---	1	---	1	2	---	---	---	---	1	1
	pass %	25	66.66	33.33	---	100	---	16.66	50	---	---	---	---	33.33	100
M.Tech - SE	Apeared	8	3	1	1	---	---	6	1	---	---	---	---	1	1
	Passed	4	3	1	1	---	---	2	1	---	---	---	---	1	1
	pass %	50	100	100	100	---	---	33.33	100	---	---	---	---	100	100
M.Tech -	Apeared	17	10	2	1	---	---	10	8	---	---	---	---	5	1



ES	Passe d	6	6	1	---	---	---	3	5	---	---	---	---	2	1
	pass %	35.2 9	60	50	---	---	---	30	62.5	---	---	---	---	40	100
M.Te ch - ECE	Apea red	9	5	1	1	1	---	4	2	---	---	---	---	3	2
	Passe d	3	3	---	1	---	---	2	1	---	---	---	---	1	1
	pass %	33.3 3	60	---	100	---	---	50	50	---	---	---	---	33.3 3	50
M.Te ch - CSE	Apea red	15	8	3	1	---	---	10	6	---	---	---	---	2	1
	Passe d	3	7	1	1	---	---	1	5	---	---	---	---	1	1
	pass %	20	87.5	33.3	100	---	---	10	83.3 3	---	---	---	---	50	100
M.Te ch - CS	Apea red	9	4	---	---	2	---	6	4	1	---	---	---	---	---
	Passe d	1	3	---	---	---	---	1	3	---	---	---	---	---	---
	pass %	11.1 1	75	---	---	---	---	16.7	75	---	---	---	---	---	---
M.Te ch - MD	Apea red	11	1	---	---	---	---	8	---	---	---	---	---	3	1
	Passe d	7	---	---	---	---	---	4	---	---	---	---	---	3	---
	pass %	63.6 3	---	---	---	---	---	50	---	---	---	---	---	100	---

PASS PARTICULARS OF STUDENTS FOR THE YEAR 2015-16															
Course		Total No. Students		Out of them											
		M	F	Scs		STs		BCs		Muslims		Christians		Others	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
B.Tech - EEE	Apeared	14	46	6	1	3	1	23	10	3	---	---	---	11	2
	Passed	13	33	4	1	1	1	17	9	2	---	---	---	9	2
	pass %	92.85	71.73	66.66	100	33.33	100	73.91	90	66.7	---	---	---	81.81	100
B.Tech - ECE	Apeared	115	77	12	11	5	3	54	29	3	---	---	---	41	34
	Passed	103	75	11	11	5	3	47	27	2	---	---	---	38	34
	pass %	89.56	97.4	91.66	100	100	100	87.03	93.1	66.7	---	---	---	92.68	100
B.Tech - CSE	Apeared	88	80	14	11	1	---	33	35	1	1	---	---	39	33
	Passed	65	72	8	11	1	---	25	29	1	1	---	---	30	31
	pass %	73.86	90	57.1	100	100	---	75.8	82.85	100	100	---	---	76.92	93.93
B.Tech - IT	Apeared	45	61	1	1	---	---	25	19	---	---	---	---	19	41
	Passed	27	60	---	1	---	---	15	19	---	---	---	---	12	40
	pass %	60	98.36	---	100	---	---	60	100	---	---	---	---	63.15	97.56
B.Tech - ME	Apeared	66	4	9	1	8	---	34	1	2	---	---	---	13	2
	Passed	52	2	8	---	6	---	28	---	2	---	---	---	8	2
	pass %	78.78	50	88.9	---	75	---	82.4	---	100	---	---	---	61.53	100

**6.5.7 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centers, etc.?**

- The organizational structure of the college defines the administrative system put in place.
- At the department/section level, the gamut of academic and administrative activities

have been broken down to minute detail and the faculty/staff members assigned to perform each of the activities.

- The Academic calendar for each program is prepared by Dean (Academics), which schedules all activities for the semester.
- Adherence to the academic schedule ensures that all activities are necessarily performed.
- The performance of the activities cannot happen unless there is self-monitoring by each individual assigned the responsibilities for the activities.
- In other words, the control system is built into the overall organizational design
- The system outlined above is the aggregate of standing plans calling for constant control or **reviews**.
- Apart from the control by individuals, various committees constituted and mentioned in previous sections form part of the periodic control systems or **reviews**.
- The committees, statutory and non-statutory, encompass all aspects of governance including academic, administrative, research and subject area activities. For instance, class co-ordinators, course co-ordinators, program co-ordinators, HoDs, mentors, Library committee etc., review activities under their purview at regular intervals. Academic committees, Academic council, Governing body meet at stipulated intervals and review activities at institutional level.
- Thus the college has comprehensive polices and systems firmly rooted into its work culture and ensure all the activities of the college are **reviewed**.

## CRITERION VII

### 7.1 ENVIRONMENT CONSCIOUSNESS

Geethanjali College of Engineering and Technology is located in a serene environment. The college is away from the hustle and bustle of the city. It is located in a lush green campus. The college has well established state-of the art labs, and well ventilated classrooms. The Library is stacked with large number of books. The Library is a store house of knowledge, with books not only on engineering courses, but also on personality development, soft skills and motivational books, to name a few. Geethanjali has all the required facilities to provide and hone employability skills among its students. Geethanjali College of Engineering and Technology and its Management are cognizant and extremely serious about conservation of environment. We have taken various measures to impart and maintain our ambience green over our existence for the past 11 years. We are committed to promote a clean and green environment fostering creativity and originality. Geethanjali believes in 'Innovation is life.' With this in mind, to support the theoretical knowledge gained, practical exposure is provided for students. This amalgamation of theory and practice enhances confidence and also creativity among the students. To provide practical approach to students on various emerging trends, workshops, seminars and guest lectures are conducted at periodic intervals.

#### 7.1.1 Does the college conduct a Green Audit of its campus and facilities?

Yes, The college conducts Green audit of its campus The faculty teaching environmental science carry out the audit. They set objectives of the audit and standards for good environmental management. They evaluate the practices in the college with respect to the laid down standards for the criteria of management and recommend corrective actions where necessary.

#### 7.1.2 What are the initiatives taken by the college to make the campus eco- friendly?

##### a) Energy Conservation

- Awareness among the students and staff on energy conservation is created by displays at appropriate places.
- Energy preserving lights like CFL, LED are used in the college campus.
- Switching off all the electrical appliances whenever and wherever they are not required.
- All the departments are equipped with appliances and equipment that consume low power.
- The UPS Batteries are maintained in good condition which reduces charging current of batteries.

- The buildings are fitted with glass windows for maximum utilization of natural light.
- The college has widespread arrangements for power distribution with a Central Substation, Control panel and Power room.
- Periodically equipment checking and monitoring its output current to avoid excess current drawl.
- The Library is designed and planned in such a way that it works on complete day light.

**b) Use of Renewable Energy**

- Steps are being taken for the utilization of solar power in the college campus.

**c) Water Harvesting**

- It is done through water ponds.
- During every rainy season the gardener collects / saves / stores the rain water and reuses the same in garden for plantation.
- The water table is maintained satisfactorily in the vicinity of the college.

**d) Check Dam Construction**

The topography of the area surrounding the college does not call for construction of check dams.

**e) Efforts for Carbon neutrality**

- Care is taken to restrict vehicle entry into the campus and specific parking area is allotted for faculty and students, thereby minimizing the carbon emission.
- Large scale plantation is done to balance the emissions and earn adequate carbon credits.

**f) Plantation/Greening Drives**

- Plantation programme has been taken up by the **ECO-CLUB** unit to increase the Green Cover in the village. Every year, tree plantation is being done for making the campus green.
- In the year 2012 we have organized plantation program in Cheeryal village and Planted about 100 saplings.
- The NSS team takes care of maintaining healthy environment in the college campus.
- The Gardeners take care of the lawn and plants in the college.
- Awareness programme on eco – friendly clay idols of Lord Ganesh and distribution of idols was done on 03-09-2010 in the college campus.

**g) Hazardous Waste Management and e-Waste Management**

- This college does not produce any hazardous waste.
- The waste produced include paper, horticultural waste and left over eatables.

- Such wastes are disposed off through certified agencies.
- No burning is permitted in campus.
- The e-waste including old PCs/ Printers/Mediums/Batteries etc is disposed through authorized agencies.
- College works on the principle of minimizing e-waste and promotes refill and reuse.
- Both side printing, reduced intensity prints/ draft prints to minimize ink usage are used.
- Students and faculty members are discouraged from using cell phones in the campus.
- Segregation of waste into wet, dry, bio-degradable, e-waste and hazardous, and colour coding of waste.
- Crockery and broken glassware of any sort is considered hazardous waste and are disposed appropriately.
- Use of plastic bags discouraged within the premises of the college.

#### **h) Eco-club**

##### **ECO-CLUB:**

- ‘Save Today – Survive tomorrow’ is the motto of our E-Club.
- The “Environmental club” was formed in the college in 2009. The committee works towards creating awareness of the hazards of environmental pollution among the students and involving them in tasks to minimize wastage of water, usage of plastics and increase of green cover. The club’s motto is- “Geethanjalis Go Green (GGG)”. As a part of Adhira foundation, ECO-CLUB has organized many eco-friendly events. Environmental consciousness is spread among the students and the villagers. The environmental club takes the responsibility of educating the villagers on the need to utilize eco-friendly material while preparing idols of Ganesh for Ganesh Chaturthi & eco-friendly colors during Holi. Students and faculty of the college engage themselves in preparing and distributing eco-friendly clay Ganesh Idols. The club also spreads awareness among the villagers about the importance of using natural colors while celebrating Holi festival; as an urgent need to protect the environment. The students actively involved in creating awareness towards environmental issues while celebrating Diwali.
- Eco club, as a part of Adhira foundation has been organizing many eco-friendly events from 2011. In the month of September 2012 and 2013, members of the club distributed mud Ganesh idols to all the faculty members in order to create awareness about the

dangerous effects of Plaster of Paris when mixed with water. In the year 2012, plantation program was organized in Cheeryal village and planted about 100 saplings. This year in addition to the distribution of mud Ganesh idols, the club also conducted awareness program in which students prepared power point presentations on the immediate need to protect environment and cleanliness in schools of Cheeryal village. The programme was a roaring success.

- An environmental club with its motto “Geethanjalites Go Green (GGG)” was established in 2009. The club works towards creating awareness of the imperilments of environmental pollution among the students. They are involved in conducting awareness camps like educating the masses on the various ways and means to minimize wastage of water, necessity to reduce the usage of plastics and the immediate need to increase the green cover.
- **Swachh Bharth:** Under NSS wing and Eco - Club Conducted Swachh Bharth Abhiyan (Campaign clean India) program on 1<sup>st</sup> November 2014. Both the faculty members and students joined their hands in this national level campaign initiated by the Government of India to maintain cleanliness in and around our surroundings.
- The institution is aware of its responsibilities in protecting the environment and conducts Green Audit of its campus and facilities. The institution maintains a checklist of the following in connection with Green Audit:

## **7.2 Innovations**

Though restricted by the limited academic freedom of an affiliated institution, the college has introduced a spectrum of transformative and innovative options during last four years to respond to the complex needs of its stakeholders, as mentioned hereunder.

### **7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.**

#### **a) Innovative mechanism / process for internal quality checks**

The innovations that are introduced during the last four years which have created a positive impact on the functioning of the college are:

- Outcome Based Education
- /Project based learning wherever applicable
- Active Feedback System
- Problem Enrichment and Value added Courses
- Holistic Education

- Academic Innovations
- Online daily attendance with SMS to parents
- Group mail Ids for faculty, staff and students
- VCHE center.

#### **Outcome based and Feedback System:**

- College has **EZ school** software to maintain student and faculty details.
- Students give the feedback about the faculty, program outcomes and course learning outcomes during the semester and at the end of each semester.
- Students are expected to do so for all the faculties concerned with their classes. Informal interaction between students and the class teacher / HOD / principal about issues pertaining to teaching quality is also encouraged.
- Faculty are counseled by the HOD and Principal regarding improvements in course understanding / teaching skills.

#### **Enrichment and value added courses:**

- The College supplements the University curriculum through value added courses, capstone courses and enrichment courses that help enhance the employability of the students.
- Introducing professional electives and inter departmental elective courses to Improve the knowledge of students which meets the industry needs.
- Centre for Advancement of Career and Human Excellence (CACHE) is the separate department which is responsible for Career Guidance, Training, and Placement and Entrepreneurship development. It is a unique initiative of Geethanjali
- Geethanjali College of Engineering and Technology in association with T.I.M.E. runs a comprehensive student development programme with an objective to build employability skills of students. The program focuses on honing various personality and problem solving skills.
- Pre-placement training (CRT and soft skills) classes are conducted to improve their performance in the placement interviews.
- The College is providing **Academic Support for Students by arranging Remedial classes**. It helps slow-learners or weak students in learning difficult topics.



### **Holistic Education:**

- The purpose of holistic education is to make the students ever ready to meet the challenges of living as well as academics. Holistic education is especially important for young people to learn and understand about themselves, maintain healthy relationships and pro-social behavior. This in turn aids in social and emotional development.
- The college has started a nodal centre of excellence, with the support of Ramakrishna Mutt, Domalguda. As a nodal centre, the college organizes many lectures to motivate the young engineers to invent and also helps them in becoming engineers with values. The guest lectures delivered by learned Swamijis of the Mutt, aid the engineers to become responsible citizens.
- Holistic education aims to call forth from people an inherent respect for life and a passionate love of learning.
- The institute through its curriculum provides a sound base for students to become responsible citizens of this world.
- Arranged a Guest Lecture for B.Tech students on “**ETHICAL & MORAL VALUES IN LIFE**” by Brahmakumari’s Eswaria Viswa Vidyalaya Mount Abu.
- Dr.Kambhampati Subrahmanyam Pro-Chancellor S-Vyasa University Bengaluru delivered a Guest lecture on Holistic Development on 5<sup>th</sup> November 2014.
- One –Day Session on Philosophy of Life and Work Ethics by Dr. Pradeep Kumar Ramancharla IIT Hyderabad for Faculty under Career Guidance Programme was conducted on 13th December, 2014. He highlighted the various aspects of personal and professional lives of individuals. He focused on understanding harmony at various levels- starting from the human being and going over to understanding of harmony in the family, in the society, in the nature and finally in the entire existence. Also on the implication of the Right understanding in life and profession, throwing light on human values, the definitiveness of ethical human conduct, humanistic education, humanistic constitution and provided a vision for the holistic way of living.

### **VCHE center**

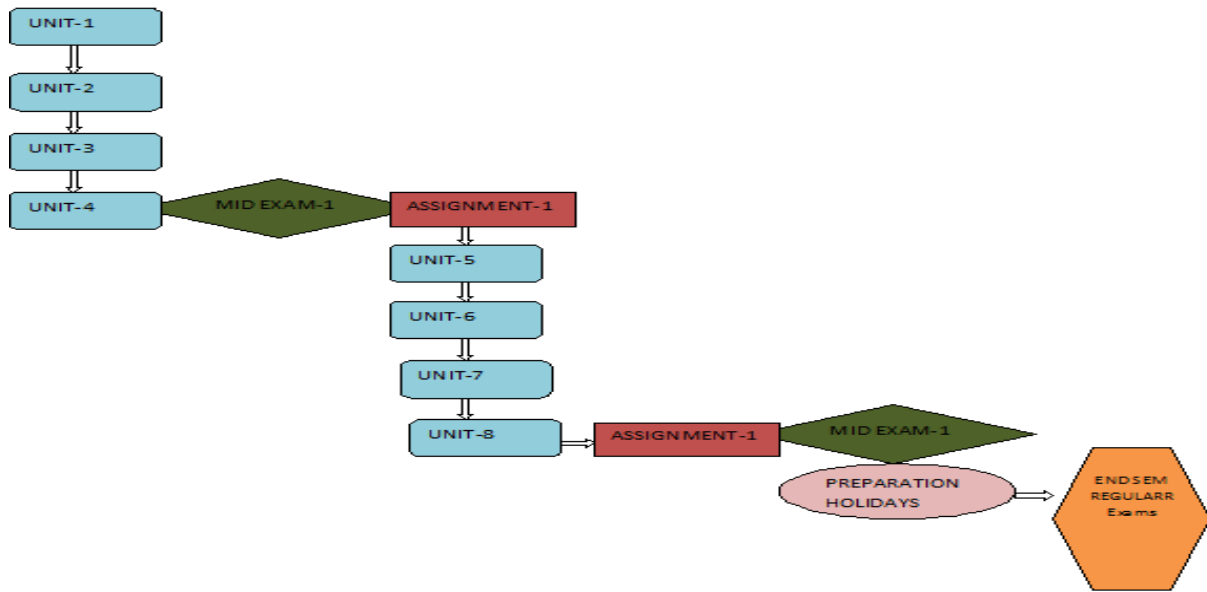
**Vivekananda Center for Human excellence of RK Mutt** was inaugurated on 15th September at GCET by **Swamy Bhodmayanandaji**. The programme was initiated to inculcate positive thinking, self-confidence, moral values among students which would help in building their positive personality and would result in holistic development of the students. The idea behind opening a nodal center is to conduct sessions on various topics including scientific advancement, morals,

motivational sessions, softskills etc. by resource persons deputed by VCHE-RK Mutt at our college bi-monthly, giving exposure to various issues, and transform themselves into human individuals

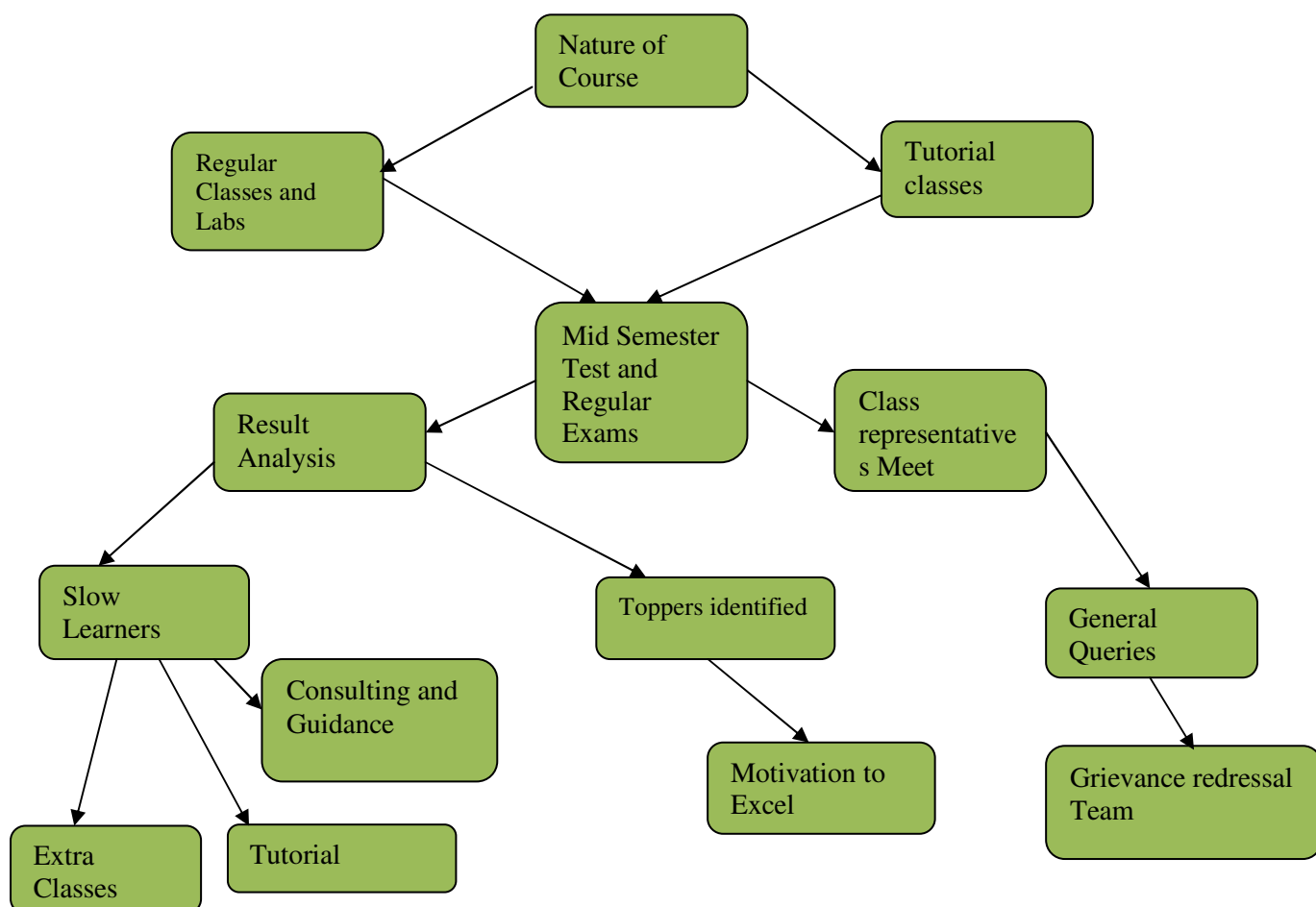
**b) Academic Innovations:**

- The need for engineers has enormously increased in the recent past which has resulted in starting of more and more number of engineering colleges opening the gates for higher education in the technical field. The institutions are compelled to take extra efforts to leverage the below average students as well, through innovative teaching learning process which will guarantee a decent degree in the stipulated period.
- GCET organizes paper contests, poster presentations, technical exhibitions and project exhibitions for all students (**BHASWARA**) for every academic year.
- The staff members are encouraged to participate in short-term courses, staff development programs and workshops on advanced topics to enhance their level of knowledge and also as a means to constantly upgrade their knowledge.
- Guest Lectures/ workshops are organized by experts / resource persons on advanced topics for the benefit of students and faculty.
- Teachers deliver “Content beyond syllabus” during their classroom instruction.
- Industrial tours are arranged for the students for practical exposure.
- Faculty members are encouraged to participate / present papers at national/ international seminars / conferences.
- College has the students’ chapters of professional bodies like IEEE, ISTE, and CSI which organizes events to expose the students to advanced level of technology.
- With this in mind, the following academic road map was designed to be adopted.

## ACADEMIC ROAD MAP



## Performance Improvement Drive



### c. Quality assurance for administration:

- The institution has been granted the status of permanent affiliation by JNTUH.
- Three Departments (ECE, CSE, EEE) are accredited by National Board of Accreditation, New Delhi of which ECE and CSE are re-accredited, having already been accredited in 2012. It was the first college to be accredited in 2012 among the colleges established in and after 2005.
- Centre for Advancement of Career and Human Excellence (**CACHE**) is the department of the college responsible for Career Guidance, Training, and Placement and Entrepreneurship development. It is a unique initiative of Geethanjali.
- Geethanjali College of Engineering and Technology in association with T.I.M.E. (Triumphant Institute of Management Education) conducts a comprehensive student development programme with an objective to enhance employability skills of its students.
- Improvement in faculty expertise leading to qualified faculty.

- Provides opportunities to non teaching staff to enhance their skills and qualifications.
- Institute is a recipient of the Engineering educator award by University of Bradford, UK.
- The college has software for maintaining students' attendance and marks. Parents are provided with user ids and passwords. Hence, the parents have an opportunity to know their ward's records on daily basis.
- College conducts parent meets twice in a semester and gives a feedback about the students.
- Student Mentors conduct / interact regularly with students assigned to them to find out the academic performance of students and probable reasons for the same.
- Poor performance due to frequent absenteeism is dealt with by informing the parents of such students over phone, also by sending registered letters and by sending college staff to their residency.
- College has the students' chapters of professional bodies like IEEE, ISTE, IETE and CSI which organizes the events to expose the students for advanced level of technology.
- College carries out result analysis and gives the information to Internal Quality Assurance Cell (IQAC) and seeks the guidelines from it for further improvement.

#### **d. Memorandum of Understanding (MOU)**

##### **The College has MOU's with the following Industries for the Institute –Industry Interaction**

1. Sitra InfoTech Pvt. Ltd. is a leading manufacturer of SCADA Systems in 2011.
2. Navanidhi Electronics Pvt. Ltd. is one of the leading manufacturers of Antenna, Filters, Power Supplies, Servo Electronics and other power electronics equipment in 2010.
3. Powertronics Ltd. is one of the leading manufacturers of Power Supplies, Batteries Chargers, Inverters and other power electronics related products in 2010.
4. As an Educational Organization we are very glad to announce that we are CISCO Academy Partner (ID 3089885). Students are provided with CCNA Exploration (Network fundamentals, Routing protocols and Concepts) Certificates upon successful completion.

#### **e. Innovations in Research and Development and Extension**

- Recognized as R&D Center by DSIR (SIRO), Govt. of India (F.No. 11/532/2011-TU-V).
- A project titled Design and development of Multi Wavelength LASER RADAR (LIDAR) is sanctioned by Department of Science and Technology (DST), Govt. of India with an overall budget of 34.58 lacks and was successfully executed.

**f. National Events**

- Several state level events like seminars, workshops are conducted for students and faculty in order to update their knowledge.
- The institute conducts a technical festival called '**BHASWARA**' every year, in which the students from all engineering colleges from the entire state participate to exhibit their talents in various technical fields.
- **Project Expo** – Technical projects (CSE & IT) are conducted every year. On this day, the students exhibit their creative projects.
- **Tech Expo**- Simulation and execution of projects (ECE) are conducted.
- Engineers' day celebrations** - The institute has been celebrating Engineers' Day every year on 15th September since its inception. On this day, the students exhibit their creative technical exhibits. These exhibits are evaluated by judges from other institutions. This event increases innovative capabilities of budding engineers.

**Students' exposure to industries**

- The students go on frequent visits to different industries related to their branch so that they can observe the operations, taking place there. This provides greater awareness and clarity on the concepts and techniques they learn in the classrooms.

**Project Work** - Students are encouraged to take up Industry related projects.

**Placement** - A training and placement cell is established with necessary infrastructural facilities for providing training and placement assistance to students.

**Innovative Faculty Development Initiatives - Sponsoring for higher education:**

- Faculty with a minimum of two years' service with satisfactory performance will be given preference and shall be sponsored for the higher programme in their required specialization.
- Incentive to faculty for paper presentation.

**g. Innovative activities to make students socially responsible**

- **NSS activities:** All departments are undertaking activities like blood donation camps, visits to Orphanages, Medicine Distribution, Childrens Day Celebrations, Driving Rules Awareness Camp, Fire Demo, Meditation and Yoga Program, Clean and Green program, Man and Environment activity programme create awareness in people in respect of their role in developing hygienic environment. AIDS awareness camp and vaccination programmes are conducted.

Photos:

## ఇంజనీరింగ్ విద్యార్థులు రక్తదానం

కీసర, సెప్టెంబర్ 21 (టీ మీడియా): విద్యార్థులు స్వచ్ఛందంగా ముందుకొచ్చి రక్తదానం చేయడం చాలా అభినందనీయమని గీతాంజలి ఇంజనీరింగ్ కళాశాల సెక్రటరీ జి.రవీందర్ రెడ్డి పేర్కొన్నారు. మండల పరిధిలోని గీతాంజలి ఇంజనీరింగ్ కళాశాలలో జూబ్లీహిల్స్ కు చెందిన లయన్స్ క్లబ్ ఆధ్వర్యంలో రక్తదాన శిబిరాన్ని నిర్వహించారు. ఈ శిబిరంలో గీతాంజలి ఇంజనీరింగ్ కు చెందిన పలువురు విద్యార్థులు రక్తదానం చేశారు. కార్యక్రమంలో కళాశాల ప్రిన్సిపాల్ డాక్టర్ ఉదయకుమార్, సోమశేఖర్, ఎన్ఎస్ఎస్ కో-ఆర్డినేటర్లు సుభద్ర, రఫీలతో పాటు పలువురు ఇంజనీరింగ్ విద్యార్థులు పాల్గొన్నారు.



రక్తదానం చేస్తున్న విద్యార్థులు



## Blood Donation Camp



## Plantation drive in Govt schools in Keesara Mandal with the collaboration of Green Revolution



**NSS Activity -DISTRIBUTION OF NOTE BOOKS AT GOVT. SCHOOL**



**Health camp for village people**



**Free Dental Camp**





**Tree Plantation Drive**

# Fight the lows of drug highs

■ On International Day Against Drug Abuse, experts believe youngsters should face the reality

**KANIZA GARARI | DC**  
HYDERABAD, JUNE 26

Easy availability of these dream-spinners and burgeoning income have proved to be a deadly combination for the increasing incidence of drug abuse in the city.

On June 26, International Day Against Drug Abuse and Illicit Trafficking, experts observe that there is a strong need to make youngsters understand that this combination must be utilised for their benefit rather than the illusory so-called 'high' which tends to take them further away from reality.

The abuse of drugs in the city has increased tremendously as cannabis, marijuana or ganja is easily and cheaply available. It



**Drugs for people of all kinds**

The drug market has different users: the elite who get the best drugs from all over and the middle and upper middle class who experiment with what is available in the local market. Then there are the homeless and poor who continue to use ink, adhesives, whiteners and injections. Once an addict runs out of resources to purchase drugs, he moves on to medical drugs like cough syrups, injections like fortwin, spasmoproxyvon, pain killers, slimming tablets, steroids and stimulants to give them the kick.

is grown illegally and supplied regularly, making it the most sought-after drug. Cannabis is taken in the measurements of 'joints' and can be bought at ₹20 per joint, giving an instant high. But its intoxicating power also comes down easily, due to which its use is very frequent. Once the addicts get bored with these drugs they

move on to other stronger drugs like cocaine and heroin. Cocaine is very costly and is supplied only in known circles. The other drugs like heroin, LSD and new wonder drugs which have hit the market, are for the very few elite or professionals of the entertainment industry whose access to these

intoxicants is easy. The average age of initiation into drugs is between 14 to 16 years of age. The drug peddlers have established a proper business module. They move in zones where their business opportunities are high. Hence entertainment zones around the city have become a hub for drug-dealing and from

there they move in the smaller group market where direct contact keeps them safe and also away from the police. Earlier hookah parlours in the city had become major hubs, but with police crackdowns and no permission for such parlours, the business has again shifted to its earlier mode. The operation areas are on a route from Hi-tec city to Mangalhat, Public Gardens, resorts around Shameerpet, Sainkuri where it is alleged that these businesses are freely carried out.

As drug abuse grows, it is becoming important for parents and family members to ensure that their young ones are protected from dangerous influences and given the required attention.



Youngsters take out a rally against drug abuse to mark the International Day Against Drug Abuse and Illicit trafficking. —DC



### **Other innovations that impacted the functioning of the college**

- The institute forms various CELLS and COMMITTEES for implementation of curricular, co-curricular and extra-curricular activities.
- College Academic Committee (CAC) meetings headed by the Principal will be convened regularly to chalk out a blue print of issues to be discussed and steps for their implementation.
- College Magazine, Handbook, Yearbook, Semi Annual Newsletter, Brochure, Department magazine, etc. are brought out.
- Student exit feedback, feedback from faculty and staff on the institute, teacher's monthly report, proforma of appointment order, teacher's self appraisal report, performance appraisal of faculty, result analysis, proforma of intimation of retirement, self appraisal report of lab technicians, the semester wise feedback for teachers, is taken during the beginning and middle of the semester. This helps in improving and upgrading the Teaching-Learning process on need based analysis.
- Course end survey is taken at the end of the semester and the reports are useful to faculty for improving subsequent offerings of the same or related courses.

### **Innovative Practices of Various Departments**

- In addition to the above, various innovative practices have been adopted by all the departments which are explained in the evaluation reports.

## **7.3 Best Practices:**

**7.3.1 Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.**

### **Best Practice I**

#### **1. Title of the Practice:**

Outcome Based Education, Assessment and Continuous Improvement- Interpret, analyze and evaluate.

**2. Goal:** We, at Geethanjali, believe in the popular adage 'Nothing is permanent except change.' The outcome based education helps both the faculty and the learners to understand the desired behavior that is expected of them by the end of the course. This practice provides right direction to carefully interpret, analyze and evaluate various situations and changes to me made wherever and

whenever necessary. This kind of objective based and outcomes oriented teaching is definitely the need of the hour to provide stable and right direction to implement strategies that facilitate motivating the students towards their continuous upgradation.

**3. Context:** With the changing economy and global trends the demand for engineering education is increasing day by day. This has also implications on the intake of the students. Students securing high ranks are also admitted in the course. Apart from that, faculty also should be familiar and understand the importance of outcomes based education. Thus rigorous brainstorming sessions and Faculty Development Programs were planned to acquaint the faculty with the need to think on the lines of outcome based education, blended carefully with continuous assessment.

**4. The Practice:** Outcome based education can be considered as transitional and transmission approach to the traditional teaching. This paradigm shift in education enables the faculty to closely monitor and mentor the students. It is a unique approach especially in higher education primarily for one reason that there is a close monitoring of the students and also of the implementation of curriculum. Apart from these, teaching of human values and professional ethics, awareness among the students about their rich cultural heritage has brought about tremendous change in the mind set of the students.

The OBE approach, or for that matter any approach demands the following three things from both faculty and students.

- Faculty should focus on ensuring *learning* rather than teaching
- Students cannot learn if they do not *think*
- Faculty has a major responsibility to help students *learn how to learn*.

These three things are interdependent. Students should feel responsible and should also get continued support from the teacher. This becomes contingent upon the students' acceptance of this responsibility. While concentrating on outcome based education, the faculty should be careful to see that their spontaneity is not withered and initiative is not stifled. Learning outcomes and competence descriptors are difficult and time consuming. Since course and curriculum development is an ongoing cycle or process, all objectives and learning outcomes need to be re-appraised continuously at regular intervals.

**5. Evidence of Success:** The success of any institution is closely and directly connected with the success of the students. The steadily increasing pass percentage is the primary indicator. Secondly, many students are being placed in reputed companies. Majority of the students are also pursuing higher education both in the country and abroad. Evidence of the students who have been self-

employed is also a positive indicator. The growing research culture among the students has resulted in two in-house projects by students. These projects have secured recognition from CSI.

#### **6. Problems Encountered (by non-autonomous institutions) and Resources Required.**

Less motivation among middle cadre faculty decreases the chances for developing research culture in the institution. Moreover, the government fixes the fee structure for the professional colleges and as a result there is no liberty to fix the tuition fee. There is very little academic freedom. Hence, there is very little scope to implement the changes in curriculum to reduce the gap between academia and industry. Inadequate human resources is also a major problem. This is mainly due to mushrooming growth of engineering colleges. Owing to this, quality and qualified faculty are scattered across institutions.

The college firmly believes in providing Outcome Based Education (OBE) clearly focusing and organizing everything in an educational system around "what is essential for all students to be able to do successfully at the end of their learning experiences".

All our programs start with a clear picture of what is important for students to be able to do, then organize the curriculum, instruction, and assessment to make sure this learning ultimately happens. Such an approach presupposes that we can determine what things are “essential for all students to be able to do”, and that it is possible to achieve these things through an appropriate organisation of the education system and through appropriate classroom practices.

It is our conviction that:

- All students have talent and it is the job of colleges to develop it.
- The role of colleges is to find ways for students to succeed, rather than finding ways for students to fail.
- Mutual trust drives outcomes based education.
- Excellence is for every student and not just a few.
- By preparing students everyday for success, the next day, the need for correctives will be reduced.
- Students should collaborate in learning rather than compete.
- As far as possible, no student should be excluded from any activity in the college.
- A positive attitude is essential. (If we believe that we can get every student to learn well then they will). We have been striving hard to ensure faculty appreciate the aspect that whatever approach to teaching one may use, it is important to keep the following points in mind:
  - Faculty main focus should be on ensuring LEARNING rather than teaching.
  - Students cannot learn if they do not THINK.

- Thinking is facilitated and encouraged by the PROCESSES that faculty use to engage students with the content, as well as by the CONTENT itself.
- The subject/course the faculty teach does not exist in isolation: Faculty have to help students make LINKS to other subjects.
- Faculty have a responsibility to help students LEARN HOW TO LEARN.
- For successful learning to take place, students are encouraged to take some responsibility for their own learning, and continued support from the teacher becomes contingent upon the students' acceptance of this responsibility.
- Our outcome based programs include the following:
  - ✓ A clear set of outcomes that all students will achieve (if you like, a minimum set of outcomes). Teachers select, from all the possible outcomes, those that should be given top priority. These are the learning outcomes that will be of most value to the students and are written in a way that the students can understand. We provide examples to students of what they will be able to do when they have achieved those outcomes.
  - ✓ A clear set of suitably categorized outcomes for all students. A few additional extension outcomes provide some students with a much more deeper understanding of the issues being studied.
  - ✓ A detailed specification of the prerequisites that students must master before attempting to achieve each new outcome.
  - ✓ Plans for several different teaching strategies that can be used to help students achieve the desired learning outcomes.
  - ✓ A variety of tests, assignments, homework problems, tutorial sessions, guided practice/laboratory sessions, etc provide both the teacher and the students with feedback on their progress towards the learning outcomes achieved.
  - ✓ Resources and teaching techniques to assist students who do not master the required outcomes as quickly as other students.

Because of its focus on student success, our outcomes based approach education places much more importance on individual learning than many other approaches to education. One of the key questions in our outcomes based program is “What are reasonable and attainable outcomes for *each* student?” Once that question has been answered, teachers consider how they keep records of individual students' progress towards these outcomes. Record keeping becomes much more important than it might be in situations where testing is a necessary evil rather than an integral part of student learning. We involve students in this record keeping so that they are reminded

continually of the goals towards which they are working, and of the need for them to accept some of the responsibility for achieving those goals.

To guarantee the outcome of the course, the teaching of each topic in the course contents are designed to meet aforementioned criteria (a-m) and evaluated by a set of assessment tools. Notice the keywords as follows: “*define, repeat, remember, describe, explain, discuss, illustrate, interpret, analysis, design, derive, apply, compare, solve, calculate, perform, produce, justify, and evaluate.*”

These keywords determine the time and effort that the instructor has to spend on each topic. It also indicates the level of complexity for the learning process. The student’s learning outcome is evaluated according to the keywords using the assessment tools. These outcome based course assessment and evaluation tools are a combination of the following:

- Homework assignments,
- Quizzes,
- Exams,
- Class Attendance,
- Design Project and laboratory written reports,
- Design Project, its Written Report and Oral Presentation,
- Computer Simulation using C, C++, MATLAB, LABVIEW, ANSYS, etc
- Prototype development, if any,
- Laboratory Testing / Project teamwork,
- Course assessment (by students),
- Instructor’s teaching performance evaluation (by students).

**Program Outcomes (POs):**

- An ability to apply knowledge of Mathematics, Science, and Engineering to solve complex engineering problems of Electronics and Communication Engineering systems.
- An ability to model, simulate and design Electronics and Communication
- Engineering systems, conduct experiments, as well as analyze and interpret data and prepare a report with conclusions.
- An ability to design an Electronics and Communication Engineering system, component, or process to meet desired needs within the realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
- An ability to function on multidisciplinary teams involving interpersonal skills.

- An ability to identify, formulate and solve engineering problems of multidisciplinary nature.
- An understanding of professional and ethical responsibilities involved in the practice of Electronics and Communication Engineering profession.
- An ability to communicate effectively with a range of audience on complex engineering problems of multidisciplinary nature both in oral and written form.
- The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.
- A recognition of the need for, and an ability to engage in life-long learning and acquire the capability for the same.
- A knowledge of contemporary issues involved in the practice of Electronics and Communication Engineering profession
- An ability to use the techniques, skills and modern engineering tools necessary for engineering practice.
- An ability to use modern Electronic Design Automation (EDA) tools, software and electronic equipment to analyze, synthesize and evaluate Electronics and Communication Engineering systems for multidisciplinary tasks.
- Apply engineering and project management principles to one's own work and also to manage projects of multidisciplinary nature.

To guarantee the outcome of the course, the teaching of each topic in the course contents is designed to meet the aforementioned criteria (a-m) and evaluated by a set of assessment tools selected from the above (11) tools. Table below shows the mapping of the sample "**Switching Theory and Logic Design**" course topics to criteria (a-m) and its corresponding assessment tools.

Course Topics	Mapping to Criteria (a – m) of Program Outcomes													
	a	b	c	d	e	f	g	h	i	j	k	l	m	
a. Explain different Number Systems, Codes and their Conversions.	√	√	√	√	√					√	√	√	√	√
b. Explain Error Detecting & Error														

Correcting Codes													
c. Solve typical problems on the above.													
Represent the given Boolean / Switching functions in various forms, prove Boolean Theorems, and minimize Boolean functions using these Theorems. Realize Switching functions using basic logic gates/universal gates.	√	√	√	√	√				√	√	√	√	√
a. Minimize the given Switching functions in SoP and PoS forms using K-Map.													
b. Given a switching a function, generate the set of Prime Implicants using Tabular Method and minimize the function.	√	√	√	√	√				√	√	√	√	√
Design the different types of combinational logic circuits.	√	√	√	√	√				√	√	√	√	√
Design combinational logic circuits using different types of PLDs, namely, PROM, PLA and PAL.	√	√	√	√	√				√	√	√	√	√



Design different types of synchronous sequential logic circuits.	√	√	√	√	√					√	√	√	√	√
Design fundamental mode and pulse mode asynchronous sequential machines.	√	√	√	√	√					√	√	√	√	√
Design digital systems using ASM Charts.	√	√			√		√			√	√	√	√	√

Over the past three years, students' design project performance has been evaluated based on written reports and oral presentations. The key elements that the student had to demonstrate in their design project include

- a. Were the objectives and purpose clearly stated?
  - b. Was the problem well defined?
  - c. Was the project properly justified (Why?) (Scientific, economic, value?)
  - d. Was the design, analysis and modelling understood?
  - e. The approach taken was reached as part of a selection process?
  - f. Are the results technically and economically feasible?
  - g. Effective conclusions / recommendations?
  - h. Quality of the work or design.
1. Was the content was well organized?
  2. Were there Appropriate use of graphs, charts, board, audio-video.
  3. Was the message clearly delivered?
  4. Was Teamwork evident in the presentation?
- Faculty start by assessing the students' prerequisite knowledge and skills; if students do not understand essential prior knowledge or if they do not have the skills on which one wants to build; faculty provide instruction on the prerequisites.
  - Next, faculty prepare the students by explaining the outcomes that they are to be achieved (what they will be able to do when they have completed the unit satisfactorily). To be

meaningful, each outcome is placed within an appropriate context and it should be related to one or more of the Key Competencies.

- The faculty provides whatever forms of whole class instruction or individual/group work they consider will have the best chance of enabling all the students to achieve mastery of the unit.
- Next, faculty organises guided practice for the students so that they can be evaluated informally and provided with feedback to enhance their learning. The emphasis here is on *successful* guided practice through careful selection of examples and problems.
- When most students seem to be ready to demonstrate mastery, assess their learning, or have the students assess their own learning through an appropriate form of self-assessment or peer assessment. This assessment should take into account the context in which outcomes should be demonstrated.
- Students who have achieved mastery work on enrichment activities while those who have not achieved mastery receive additional instruction and practice.
- All students then take a summative test. Those who do not demonstrate mastery on this test receive an “incomplete” grade that they are required to convert to a mastery level through additional effort.

To be useful in an OBE system, assessment should conform to the following principles:

Our assessment procedures have been found to be

- Valid and useful - they facilitated faculty to assess what they intend the assessment procedures to assess.
- Reliable - they gave consistent results.
- Fair and just - they were not influenced by any irrelevant factors such as the learner’s cultural background.
- Able to reflect the knowledge and skills that are most important for students to learn.
- Able to tell teachers and individual students something that they do not already know. That is, they have stretched students to the limits of their understanding and ability to apply their knowledge.
- Both comprehensive and explicit.
- Able to support every student’s opportunity to learn things that are important; and, Able to allow individuality to be demonstrated because learners are individuals.

Our observation has been that

- Outcome based program made teaching purposeful and systematic, rather than haphazard, while still allowing students to discover, to follow their interests, to take responsibility for their own learning, and to develop both academically, personally and professionally.
- It enabled our teachers to provide students with *appropriate* and *purposeful* learning experiences and opportunities so that they can develop originality, self-motivation and independence at the same time as they acquire useful knowledge and skills.

## **Best Practices II**

### **1. Title of the Practice:**

Centre for Academic and Career Guidance-Apply, compare, perform and produce.

**2. Goal:** The main goal of the center is to make the students discover their inner potential and strive to attain success in their chosen field. The center helps the students in identifying their talents, interests and values in making right career choices. It lends its full support to students in academic planning and exploring future professional and placement opportunities available as per the changing global economy.

**3. The Context :** The college has decided to implement this center keeping in mind the changing market situation, volatile industry growth and demands, and availability of more number of opportunities to students but lack of proper understanding about the opportunities among the student community. With this humble thought the college has formed a center with the head of the institution as the chairman. In the process of functioning of the center it is observed that it is practically difficult in developing a common competence framework. The center demands a diverse workforce operating through both developed and assorted networks at all levels. The career guidance has to be widely available to a large group of students. Sometimes it is little difficult to accomplish the needs of the students at an optimum level.

### **4. The Practice**

The center actually starts working making the students remember Socrates and his valid statement 'Know thyself'. The students are made to understand about themselves thoroughly. To achieve this, few questions that test their skills, aptitude, interests and goals are prepared and they are expected to answer the same after a thorough introspection. This can be considered as the first stage of the practice. With the attained clarity by answering the questions, the students are ready to brainstorm on various career options available. This is the second stage, which can be called as planning stage. Finally an interactive session is conducted with the students based on their goals and their

strengths. This kind of planning to make the students realize their potential and inner talent is definitely a unique practice to be implemented in higher education. The practice emphasizes and believes that 21<sup>st</sup> century illiterate is not a person who does not know how to read or write, but a person who cannot *learn, unlearn and relearn*. The center strives to bring in all the three phases among the students.

**5. Evidence of Success:** It has been observed that more number of students are showing interest in pursuing higher studies in less known careers as well. The Alumni survey report clearly talks about the volunteering nature of the students of Geethanjali. The Alumni is ready to talk to their juniors on various career choices available. This is made possible with the efforts of the active center in the college.

**6. Problems encountered and Resources Required:**

Major constraints or rather challenges in developing the center is less motivation and interest in this direction among the middle cadre or young faculty joining teaching profession. The students find it difficult to prioritize their challenges, even after the guidance, because of family or societal constraints. Limited number of faculty with an orientation towards career guidance, and less number of trained in-house faculty. As a result, guest lectures on the importance of ethical behavior and proper code of conduct is provided to students at regular intervals by experts. This has turned to be a costly affair to colleges, especially to self-financed colleges. To be an active member of the center, people involved should constantly update themselves in all walks of life. Though the questions framed to understand their inner potential apparently look simple, yet it is difficult for them to answer. This first stage demands a lot of attention by the senior and experienced faculty involved in the centre. The first stage requires a lot of clarity and positive thought process and passion to perform even among the faculty involved.

**7. Notes (Optional)**

As a part of the Career Guidance Center, the college has established a nodal center in collaboration with R.K.Mutt, Domalguda, Hyderabad, with an aim to inculcate self-confidence and make them realize the need for self monitoring. The basic premise of the center is to 'educate, build and reform'.

It is the conviction of the college that students who have been closely monitored and mentored have always performed far better than others who were not monitored didn't undergo mentoring. With this strong belief in mind, the college has established a "Center for Academic and Career Guidance (CACG)", with the Principal as its Chairman, that facilitates academic and career

excellence of every student and to help discover his/her full potential and strive to attain success in his/her chosen field.

**Activities of the Center are as follows:**

**Academic Guidance**

Academic Guidance is provided to the students with the following objectives:

1. It is our endeavour to further extend the existing standards of discipline, attendance, and academic performance among students through continuous monitoring.
2. We strive to consistently and progressively effect improvement of each student in his/her overall academic performance by identifying students falling below desired standards and initiate remedial measures.

We fervently believe that monitoring student learning is an essential component of high-quality education. Therefore, the centre:

- Provides professional and confidential assistance in a supportive atmosphere.
- Offers advice on an individual basis on academics and allied issues.
- Provides counselling to students who experience academic setback, falling short of attendance and violating/deviating from general norms of code of conduct of the college.

**The Centre aims at**

- Reviewing student performance in the classroom through observation by the faculty who in turn inform the mentor, analysing the performance of the student in the tests, examinations, tutorial sessions, etc. The mentor would then suggest student to make required adjustments in his study habits and if need he arranges remedial instruction.
- Providing quality, professionally delivered counselling services to students through external professional mentors/counsellors.
- Helps resolve academic difficulties of students by conducting periodic reviews and identifying gaps in their understanding and knowledge and provides a range of supportive activities and services aimed at enhancing the learning experience of the students.

**Activities**

The activities of counselling centre can be broadly classified into two heads.

1. Academic
2. Attendance & Discipline

**Academic**

1. An information gathered questionnaire is given to all students and information is collected and analysed. Subsequently academic counselling is conducted, which is done at least twice

in a semester, once at least five to six weeks before the first mid-exam with a follow up before the exam and the second at least five to six weeks before the second mid-exams with another follow up.

2. Students whose performance is found poor are identified and counselled to know the reasons for their poor performance and are advised appropriately. Remedial classes are arranged to help such students to improve their performance. These students are monitored closely and when required are counselled more frequently until they improve their performance.
3. Academic performance of students exposed to remedial classes is reviewed and necessary action is taken accordingly.
4. Performance of students who are unable to earn required credits/performance has to be intimated to their parents from time to time.

### **Attendance**

#### **Centre ensures that:**

1. Daily attendance of the student is sent as SMS to his/her parents in the evening. Further, parents are given user ID and password to login to our attendance portal and can check his/her ward's attendance
2. Attendance of students is compiled once in a fortnight, their signature is obtained on same against their name and displayed on the notice board.
3. The students falling short of required attendance are informed about the same after such compilation and students are to be informed about how attendance is related to their performance in all modes of assessments namely, tests, tutorials, assignments, exams and also in their career subsequently.
4. An undertaking is taken from students falling short of attendance.
5. Parents of such students are intimated as and when required and when they visit the campus to meet the mentor of their ward; their signature is also obtained.

### **Career Guidance**

- a. Offers career guidance programs and provides assistance and resources to support students in making real life connections to academic learning.
- b. Enable students to gain the skills, ability and confidence to transit successfully to further studies/work/self-employment or any other activity in which he/she lands deliberately or unwittingly.
- c. Equip students with tools needed to answer the “Life Long Learning” questions.

- Who Am I?
  - What Am I Doing?
  - Why Am I Here?
  - Where Am I Going?
  - How do I Get There?
- d. Encourage students to open their mind to the numerous opportunities awaiting them.
  - e. Facilitates students to explore their interest and talents and to take a realistic look into the world that awaits them.
  - f. Provide services which expose students to infinite possibilities available in their future; to equip them with the tools they need to plan for future endeavors and to provide continued support and encouragement that they need to be successful in professional career as well as in personal life.
  - g. Enable students to evaluate various career options and embark on their career path to meet their interests by showing them how to assess their interests and talents.
  - h. Help find answers to the following questions which pester students:
    - What am I going to do when I leave college?
    - Do I meet the entrance requirements of places of higher education?
    - Can I afford to study further?
    - Will I find a job in my chosen field and place?
    - Should I take a gap/break after college?
    - Are some places better to study than others?
    - Is my degree internationally recognized?
    - Will my job earn me the money to live the lifestyle I desire?

The college is highly confident that finding answers to these questions is easy if one has a good understanding of himself/herself and his/her choice of careers. It is possible to find a career path for each individual which draws on their strengths and builds on areas requiring improvement.

After facilitating students find answers to the above questions, the center

- a. Assists students realize their career priorities and goals;
  - i. provides students with skills needed to help manage their career throughout their professional life;
  - ii. helps students assess their aspirations and capabilities;
  - iii. advices and assists them about study opportunities, fellowships and academic programs in the country and abroad, career choice and decision-making etc.

- b. Helps the student, on an individual basis, formulate his/her own career plans as well as determine the nature of assistance needed from the office.
- c. Provides various services like:
  - Identifying strengths of students and guiding/counseling appropriately.
  - Appraisal
  - Follow-up
  - Referral (Self; faculty recommendation or formal faculty referral)
  - Relevant information

### **Discipline**

1. Act of indiscipline includes non-compliance of dress code, improper behaviour in class and premises, teasing, smoking, consuming alcohol, malpractice in examinations, absconding from class etc.
2. Centre on the advice of CAC may constitute inter departmental disciplinary committee which would monitor continuously to maintain discipline in the college premises.
3. Any act of indiscipline found by the disciplinary committee which comprises faculty of various departments is brought to the notice of the centre immediately, which forwards it to the Principal, who in turn takes necessary action.

### **Operationalization of the activities**

1. The centre takes steps to educate students to impress upon them the importance of maintaining discipline while in college and outside college so that they will actively and willingly co-operate with the college authorities in maintaining highest standards of discipline.
2. Heads of various departments are advised to nominate a few of their faculty members to liaise with the centre on behalf of their department with regard to activities prescribed.
3. The centre conducts periodical meetings with liaison officers to monitor smooth and effective functioning of the centre.
4. The centre designs required formats and circulate them to all HoDs to be submitted periodically with required data for a free flow of information from each department to the centre which can be consolidated to put up to the Principal.
5. The mentoring system of the college has been working exceptionally well.



# Evaluative Report of Computer Science and Engineering (CSE) Department

1. Name of the Department & its year of establishment: **COMPUTER SCIENCE AND ENGINEERING, 2005**
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): During the four Assessment Years (AY13-14 to AY16-17)  
**UG – B.Tech: Computer Science and Engineering**  
**PG – M.Tech: Computer Science and Engineering (CSE)**
3. Interdisciplinary courses and departments involved:

S. No	Course Name	Year and Semester	Course offered by the Department
1	English-I	I - I	Humanities and Social Sciences
2	Engineering Physics	I - I	Humanities and Social Sciences
3	Mathematics – I	I - I	Humanities and Social Sciences
4	Engineering Chemistry	I – I	Humanities and Social Sciences
5	English-I Laboratory	I - I	Humanities and Social Sciences
6	Engineering Drawing	I-I	Mechanical Engineering
7	Engineering Chemistry Laboratory	I – I	Humanities and Social Sciences
8	English – II	I – II	Humanities and Social Sciences
9	Semiconductor Physics	I – II	Humanities and Social Sciences
10	Mathematics – II	I – II	Humanities and Social Sciences
11	Mathematics – III	I – II	Humanities and Social Sciences
12	English – II Laboratory	I – II	Humanities and Social Sciences
13	Semiconductor Physics Laboratory	I – II	Humanities and Social Sciences
14	Engineering Workshop (EWS)	I – I	Mechanical Engineering
15	Switching Theory and Logic Design	II-I	Electronics and Communication Engineering
16	Basic Electrical Engineering	II– I	Electrical and Electronics Engineering
17	Basic Electrical Engineering Laboratory	II– I	Electrical and Electronics Engineering
18	Logical Reasoning	II-I	Humanities and Social Sciences
19	Probability and Statistics	II-II	Humanities and Social Sciences
20	Environmental Studies	II-II	Humanities and Social Sciences

21	Gender Sensitization	II-II	Humanities and Social Sciences
22	Human values and Professional Ethics – Open Elective	III – I	Humanities and Social Sciences
23	Intellectual Property Rights – Open Elective	III – I	MBA
24	Industrial Safety and Hazards – Open Elective	III – I	Electrical and Electronics Engineering
25	Soft Skills	III – I	Humanities and Social Sciences
26	Management Science	III-II	MBA
27	Supply chain management – Open Elective	III –II	MBA
28	Knowledge management – Open Elective	III –II	Computer Science and Engineering
29	Energy Conservation and Management – Open Elective	III –II	Electrical and Electronics Engineering
30	Foreign Language – French Open Elective	III –II	Humanities and Social Sciences
31	Foreign Language – German Open Elective	III –II	Humanities and Social Sciences
32	Foreign Language – Spanish Open elective	III –II	Humanities and Social Sciences
33	Banking and Insurance – Open Elective	III –II	MBA
34	Disaster Mitigation and Management	III –II	Civil Engineering
35	Advanced English Communication skills laboratory	III – I	Humanities and Social Sciences
36	Project and Financial Management	IV-II	MBA
37	Entrepreneurship	IV-II	MBA
38	Actuarial Science	IV-II	Humanities and Social Sciences
39	Anthropology	IV-II	Humanities and Social Sciences

4. Annual/ semester/choice based credit system:

**UG Program:**

Academic Year	Program	Is under affiliation/ Autonomous	Academic Regulation	Annual/ Semester/ CBCS	Remarks
2013-14 and 2014-15 admitted Batches	B.Tech (CSE)	Affiliated	R13 of JNTUH	I-yr. Annual, II, III, IV Yr- Semester System	-
2015-16 admitted Batch	B.Tech (CSE)	Affiliated	R15 of JNTUH	I-yr. Annual, II, III, IV Yr- Semester System	Only Regulations changed; but the Syllabi remains same as that of R13
2016-17 admitted Batch	B.Tech (CSE)	Autonomous	AR16	Semester and Choice Based Credit System	Became UGC Autonomous w.e.f. academic year 2016-17

**PG Program:**

Academic Year	Program	Is under affiliation/ Autonomous	Academic Regulation	Annual/ Semester/ CBCS	Remarks
2013-14 and 2014-15 admitted Batches	M.Tech CSE	Affiliated	R13 of JNTUH	Semester	-
2015-16 admitted Batch	M.Tech CSE	Affiliated	R15 of JNTUH	Semester and Choice Based Credit System	-
2016-17 admitted batch	M.Tech CSE	Autonomous	AR16	Semester and Choice Based Credit System	Became UGC Autonomous w.e.f. academic year 2016-17

5. Participation of the department in the courses offered by other departments:

(a) As per AR16 (Autonomous)

S.No	Program UG	Department	Courses offered by the Department
1	B.Tech	Electronics and Communication Engineering	1. Computer Programming -I 2. Computer Programming –II 3. Computer Programming –I Lab 4. Computer Programming –II Lab 5. Information Technology Workshop 6. Object Oriented Programming through JAVA 7. Object Oriented Programming through JAVA Lab 8. Computer Networks
2		Electrical and Electronics Engineering	1. Computer Programming -I 2. Computer Programming –II 3. Computer Programming –I Lab 4. Computer Programming –II Lab 5. Information Technology Workshop
3		Mechanical Engineering	1. Introduction to Computer Programming 2. Information Technology Workshop 3. Computer Programming Lab
4		Civil Engineering	1. Introduction to Computer Programming 2. Information Technology Workshop 3. Computer Programming Lab

(b) As per R15 and R13 (JNTUH)

S.No	Program UG	Department	Courses offered by the Department
1	B.Tech	Electronics and Communication Engineering	1. Computer Programming 2. Database Management Systems 3. Operating Systems 4. Computer Networks 5. Object Oriented Programming 6. Computer Organization & Operating Systems 7. Information Technology Workshop
2		Electrical and Electronics Engineering	1. Computer Programming 2. Information Technology Workshop
3		Mechanical Engineering	1. Computer Programming 2. Information Technology Workshop

4		Civil Engineering	1. Computer Programming 2. Information Technology Workshop
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6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors).

S.No	Faculty Designation	Sanctioned	Filled
1	Professors	8	8
2	Associate Professors	11	11
3	Assistant Professors	45	45

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr. S. Nagender Kumar	Ph.D	Professor & HOD	Wireless Sensor Networks; Internet of Things; Real-Time Data Mining	17	-
2	Dr. K. Venkata Ranga Rao	Ph.D	Professor	Parallel Computing, Machine learning	25	-
3	Dr. D.Ratnadeepthi	Ph.D	Professor	Artificial Intelligence, Machine Learning	12	-
4	Dr. B. V. Swathi	Ph.D	Professor	Information Retrieval Systems, Machine learning	15	-
5	Dr. Ch. Ramesh Babu	Ph.D	Professor	Grid computing, cloud computing, w/w Security, image processing	15	-

6	M. Ashwini	M.Tech	Assoc.Prof.	CSE	11	-
7	Y.Raju	M.Tech	Assoc.Prof.	CSE	11	-
8	M Raja Krishna Kumar	M.Tech	Assoc. Prof.	IP	7.6	-
9	A. Sri Lakshmi	M.Tech	Assoc. Prof.	CSE	15	-
10	G. Lokeshwari	M.Tech	Assoc. Prof.	CS, MBA	17	-
11	D.Venkateswarlu	M.Tech	Assoc.Prof.	CS	16	-
12	M.Srinivas	M.Tech	Assoc. Prof.	CS	12	-
13	Deepa Panse Ashok	M.Tech	Assoc.Prof.	SE	13	-
14	B.Srinivas	M.Tech	Assoc. Prof.	SE	9	-
15	Harekrishna Allu	M.Tech	Assoc. Prof.	CSE	6	-
16	Mannava Yesu Babu	M.Tech	Assoc. Prof.	CS	15	-
17	K.Vijaya Bhaskar	M.Tech	Asst Prof	SE	10	-
18	K.Gnana Mayuri	M.Tech	Asst.Prof.	CSE	4	-
19	M.Bhavana	M.Tech	Asst.Prof.	CS	6	-
20	P. Haritha	M.Tech	Asst. Prof.	CSE	9	-
21	Madhuri Agarwal Gupta	M.Tech	Asst. Prof.	CS	8	-
22	Y. Siva	M.Tech	Asst.Prof.	CST	3	-
23	N. Chitra	M.Tech	Asst.Prof.	CSE	3	-
24	A.Harini Krishna	M.Tech	Asst.Prof.	CSE	2.6	-
25	G. Lavanya	M.Tech	Asst. Prof.	CSE	1.6	-
26	T. Soumya	M.Tech	Asst. Prof.	SE	1	-
27	Y.V. N. Phani Kishore	M.Tech	Asst.Prof.	CNIS	1.6	-
28	G.Swapna	M.Tech	Asst.Prof.	CSE	5	-
29	G. Niveditha	M.Tech	Asst. Prof.	CS	1.6	-
30	K. Srinivas	M.Tech	Asst. Prof.	CSE	1	-
31	Ch. Vikas	M.Tech	Asst.Prof.	CSE	5	-
32	S. Srija	M.Tech	Asst.Prof.	CSE	1	-

33	MD. Azhar	M.Tech	Asst.Prof.	CSE	4.6	-
34	M.Vishwashanthi	M.Tech	Asst. Prof.	CSE	1	-
35	P. Deep Lakshmi	M.Tech	Asst. Prof.	CSE	1	-
36	K. Anusha	M.Tech	Asst.Prof.	CSE	3	-
37	M. Ravinder	M.Tech	Asst.Prof.	CSE	8.8	-
38	M. Sujitha	M.Tech	Asst. Prof.	SE	F	-
39	Y. Chandramouli	M.Tech	Asst. Prof.	CNIS	F	-
40	Chittipothula C Y Rao	M.Tech	Asst.Prof.	CSE	2	-
41	B. Mamatha	M.Tech	Asst.Prof.	CSE	F	-
42	J. Meena Sravanthi	M.Tech	Asst.Prof.	CSE	F	-
43	K. Preethi	M.Tech	Asst. Prof.	CSE	1	-
44	G. Udaya Sri	M.Tech	Asst. Prof.	CSE	F	-
45	Lochan Rampal	M.Tech	Asst.Prof.	CSE	F	-
46	E. Mahender	M.Tech	Asst.Prof.	SE	8	-
47	A. Chandrakala	M.Tech	Asst. Prof.	CSE	1	-
48	S. L. Anusha	M.Tech	Asst. Prof.	CSE	-	-
49	K. Shiva Kumar	M.Tech	Asst.Prof.	CSE	F	-
50	Channaveerayya	M.Tech	Asst.Prof.	CNE	1	-
51	Ch. Latha	M.Tech	Asst.Prof.	CSE	3	-
52	M. Rajakumari	M.Tech	Asst. Prof.	CSE	7	-
53	P. Nagaraj	M.Tech	Asst. Prof.	CS	10	-
54	B. Sujatha Bai	M.Tech	Asst.Prof.	CSE	1	-
55	Ch. Sneha	M.Tech	Asst.Prof.	CSE	F	-
56	S. Radha	M.Tech	Asst. Prof.	CSE	9	-
57	J. Uma Mahesh	M.Tech	Asst. Prof.	CSE	5	-
58	G. Kalpana Devi	M.Tech	Asst.Prof.	CSE	3	-
59	G. Prisilla Jayanthi	M.Tech	Asst.Prof.	CNIS	11	-

<b>PG: M.Tech Faculty</b>						
60	Dr. S. Udaya Kumar	Ph.D	Principal & Professor	Cryptography & Security, Image Processing	31	4
61	Dr. D. Sree Rama Chandra Murthy	Ph.D	Professor & C O E	Network Cryptography ,Image Processing	31	6
62	Dr. K. Srinivas	Ph.D	Professor	Information Retrieval Systems, DWDM, Search Engines	17	-
63	B.Keerthi	M.Tech	Asst.Prof.	CSE	F	-
64	U. Sadhana	M.Tech	Asst.Prof.	SE	5	-

**8. Percentage of classes taken by temporary faculty – programme-wise information :**

-Nil

**9. Programme-wise Student-Teacher Ratio**

<b>Program/Course</b>	<b>Total faculty members</b>	<b>Students</b>	<b>Student : Faculty</b>
B. Tech	59	720	12.2:1
M. Tech	5	60	12:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

<b>S.No</b>	<b>Designation</b>	<b>Sanctioned</b>	<b>Filled</b>
1	Academic Support Staff	9	9
2	Administrative Staff	4	4



11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. NIL**

12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc. total grants received.**

NIL

13. **Research facility / centre with**

- state recognition: NIL
- national recognition :
  - Recognized as R&D Center by DSIR (SIRO), Govt. of India (F.No. 11/532/2011-TU-V).
- international recognition: NIL

14. **Publications:**

- \* Number of papers published in peer reviewed journals (national / international)
- \* Monographs
- \* Chapter(s) in Books
- \* Editing Books
- \* Books with ISBN numbers with details of publishers
- \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- \* Citation Index – range / average
- \* SNIP
- \* SJR
- \* Impact factor – range / average
- \* h-index

**Summary Report of Publications**

S. No.	Publication Type: Peer reviewed Journals (national/ international)	Total Number			
		2016-17	2015-16	2014-15	2013-14
1	International Journals	30	18	25	12
2	International conferences	6	-	7	1
3	National Journals	7	-	-	-

**For details on specific Research Publications published/presented in Journals and/or Conferences please refer to ANNEXURE- CSE-A**

15. **Details of patents and income generated:** NIL

16. **Areas of consultancy and income generated:** - NIL

17. **Faculty recharging strategies**

- GCET regularly invites faculty experts of repute from institutes of higher learning such as: NIT Warangal, IIITH, IDRBT, Osmania University, JNTUH, JNTUK and so on to deliver Expert lectures on a various topics to strengthen the faculty members’ instructional skills.
- The faculty are encouraged to conduct and attend FDP’s, Workshops, Refreshment courses to update new and/or emerging technologies in addition to those for strengthening teaching skills in the current subjects being taught. The institute offers necessary grants and infrastructure for the above.
- The period of absence of the faculty member at GCET for attending such FDPs is being treated as “ON DUTY”
- Also GCET, on a case to case basis, bears the registration fee for attending such FDPs/workshops/training sessions and so on.

Please refer the table in ANNEXURE- CSE-B which provides a listing of the faculty who attended such FDP’s, Workshops, training sessions or refresher courses for the last three academic years i.e., AY 2016-17, AY2015-16 and AY 2014-15.

- To promote and inculcate a research environment in the department, Eminent professionals are recruited in various areas: Microwave Engineering, Electronic instrumentation and medical informatics, Digital Image Processing, Microwave Antennas, GPS and wireless Positioning technologies etc.,...
- The Department and the GCET, Hyderabad, administration encourages
  - a. Its faculty to register and pursue Ph.D. Degree. A list of faculty pursuing Ph.D. is as in the table given below:

<b>S. No</b>	<b>Faculty Name</b>	<b>Designation</b>	<b>Area of Specialization</b>	<b>University and Year of Registration</b>	<b>Expected year of completion</b>
1	A.Sreelakshmi	Associate Professor	Big data, Cloud computing	JNTUH, 2011	2018

S. No	Faculty Name	Designation	Area of Specialization	University and Year of Registration	Expected year of completion
2	G. Lokeshwari	Associate Professor	Cryptography & Security	JNTUH, 2009	2017
3	M. Raja Krishna Kumar	Associate Professor	Information Retrieval, Image Processing, Pattern Recognition	JNTUH, 2009	2017
4	M. Srinivas	Associate Professor	Natural Languages Processing(NLP), Network Security	JNTUH, 2012	2018
5	D.Venkateswarlu	Associate Professor	Cloud computing, Security in Virtualization	JNTUH, 2012	2018
6	Deepa panse	Associate Professor	Cloud computing	JNTUH, 2012	2018
7	M.Y.Babu	Associate Professor	Information Retrieval Systems, Data Mining	JNTUA, 2011	2018
8	V.Sivanaraya Reddy	Associate Professor	Data mining, Cloud computing	HCU, 2009	2018
9	K Naresh Babu	Assistant Professor	Big data	JNTUK, 2015	2020

- b. In-house research is highly encouraged, a full-fledged establishment of R&D Laboratory – which is underway and will be a reality by end of May, 2017.
- c. Its faculty to work on topics related/in extension to the already completed Research Projects.
- d. a formal Faculty mentee – Faculty mentor system to strengthen and improve the teaching-learning pedagogy for both the UG and PG students

18. **Student projects:** During the AY 13-14 to AY16-17,

- The percentage of students who have done in-house projects including inter-departmental: **52%**
- The percentage of students doing projects in collaboration with industries / institutes: **48%**

**19. Awards / recognitions received at the national and international level by**

○ **Faculty**

- i. Dr. Udaya Kumar Susarla won the “Best Teacher” award in Sreenidhi Institute of Science Technology for the year 2001-2002 and for the years 2004-05, 2005-06, and 2006-07.
- ii. Sri.D.Venkateshwarlu , Associate Professor received “Merit Certificate” from the Balaji Institute of Technology & sciences.

○ **Doctoral / post doctoral fellows: NIL**

○ **Students:**

S.B.Venkata Naveena – CSE (R.No: 08R11A0550) (**87.76%**) received **Gold Medal** from JNTUH, for being **1<sup>st</sup> rank** in B.Tech CSE among all affiliated colleges of JNTUH.

(A) Merit Scholarship:

- ❖ The scholarship is provided to the topper in branch for all years of students.
- ❖ The following are details of CSE students who received Shri Raja Reddy Memorial Scholarship (from M/s. Teja Educational Society):

**2015-16**

S. No.	Year	Roll No	Name Of The Student	%	Rank	Prize Money (Rs)
1	I Year	14R11A05F8	RAYALA PRIYANKA	88.7	I	3000
		14R11A05H7	Y SREEJA	87.10	II	3000
		14R11A0518	K JWALA	80.40	III	3000
		14R11A0567	CHITTARVU LAKSHMI ISHWARYA	80.30	IV	3000
2	II Year	13R11A05M9	T RAVI THEJA	82.1	I	3000
		13R11A0555	ADLA JAYASREE	80.73	II	3000
		13R11A0531	K NITYA PURNIMA	80.07	III	3000
		13R11A05N1	U V SATHYA SUNANDA	79.33	IV	3000
3	III Year	12R11A05C7	B SNEHA SRIKANTH	80.27	I	3000
		12R11A05H2	YADAVALLI SHRAVANI	76.26	II	3000
		12R11A0529	KETKI SUNIL RAYTER	74.93	III	3000
		12R11A0571	BORRA SWATHI	72.46	IV	3000

S. No.	Year	Roll No	Name Of The Student	%	Rank	Prize Money (Rs)
4	IV Year	11R11A05C7	BANDARKAR SNEHA SRIKANTH	82.10	I	3000
		11R11A0529	KETKI SUNIL RAYTER	79.05	II	3000
		11R11A05H2	YADAVALLI SHRUVANI	78.10	III	3000

**2014-15**

S. No.	Year	Roll No	Name Of The Student	%	Rank	Prize Money (Rs.)
1	I Year	13R11A05L9	R SRUTHI REDDY	83.10	I	3000
		13R11A0597	PUNNA SPOORTHY	81.50	II	3000
		13R11A05N1	U V SATYA SUNANDA	81.00	III	3000
		13R11A05M9	T RAVI THEJA	80.90	IV	3000
2	II Year	12R11A05C7	BHANDARKAR SNEHA SRIKANTH	78.66	I	3000
		12R11A0529	K SUNIL RAYTER	77.06	II	3000
		12R11A0501	AASHISH KUMAR PANDEY	76.60	III	3000
3	III Year	11R11A0537	MEGHANA RAMESH GOLLAPUDI	81.26	I	3000
		11R11A0528	K KRUTHI	81.06	II	3000
4	IV Year	10R11A0529	LANKA BHARGAVI KRISHNA	85.88	I	3000
		10R11A0509	CHOUDARY ANAMIKA NUPUR	85.72	II	3000

**2013-14**

S.No.	Year	Roll No	Name Of The Student	%	Rank	Prize Money (Rs.)
1	I YEAR	12R11A0529	Ketki Sunil Rayter	87.40	I	7000
		12R11A05C7	Bhandarkar Sneha Srikanth	87.40	II	3000
2	II YEAR	11R11A0537	Meghana Ramesh Gollapudi	80	I	7000
		11R11A0528	K.Kruthi	77.5	II	3000

3	III YEAR	10R11A0529	Lanka Bhargavi Krishna	81	I	7000
		10R11A0588	K.Jyothirmye	80	II	3000
4	IV YEAR	09R11A05B4	Tanguturi SP Madhuri	83.05	I	7000
		09R11A0595	Muthyala Priyanka Chaitanya	82	II	3000

**2012-13**

S.No.	Year	Roll No	Name Of The Stude	%	Rank	Prize Mone (Rs.)
1	I YEAR	11R11A0537	Meghana Ramesh Gollapudi	87.3	I	10,000
2	II YEAR	10R11A05A8	Priyanka Chadalavada	83.46	I	10,000
3	III YEAR	09R11A0550	S Sruti	79.13	I	10,000
4	IV YEAR	08R11A0550	Sura B Venkata Naveena	91.10	I	10,000

**(B) Awards received by the students for the participation in the events organized by Other Universities/ Colleges/ Institutes:**

S.No.	Event	No. of Students Achieved Prizes		
		Academic Year:2016-17	Academic Year:2015-16	Academic Year:2014-15
1	Paper presentation	4	4	2
2	Projects presentation	-	-	3
<b>Total</b>		<b>4</b>	<b>4</b>	<b>5</b>

Please go through ANNEXURE-CSE-B for more details.

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

**Kindly find below the details of Seminars/ Conferences/Workshops organized and the source of funding as under:**

S. No	Seminars/ Conferences/Workshops organized	Dates conducted on	Funding Agency
<b>FDP/ Workshops</b>			
1.	WSN Data Fusion For Support Of IOT Data Analysis With	December 20-24,2015	GCET
2.	Logic Building and C Programming	May 9-14, 2015	GCET

3.	Computational Tools in Research	December 18-19,2014	GCET
4.	Research Trends in Cloud Computing	December 15-16,2014	GCET
5.	Recent Trends & Challenges in Data Mining	December 5-7,2013	GCET
6.	Impending Applications Of Image Processing & Machine Learning	June 28-29,2013	GCET
7.	CISCO	June 12-20,2013	GCET
<b>Seminars ( Guest Lectures)</b>			
1.	SAP	June 23,2016	GCET
2.	Big Data Analytics	July 16, 2016	GCET
3.	Awareness On Technology	September 8, 2016	GCET
4.	Big Data & Hadoop with hands On practice	September 3,2016	GCET
5.	Industry Readiness	January 01,2017	GCET
6.	Software Engineering: Quality Management	October 01, 2015	GCET
7.	Linux Programming: Multithreading	October 07, 2015	GCET
8.	SAP	October 9, 2015	GCET
9.	Career Guidance	December 17 , 2015	GCET
10.	Java Programming	January 04, 2016	GCET
11.	IOT	April 13 , 2016	GCET
12.	Web Technologies – JSP	April 11, 2015	GCET
13.	Compiler Design	April 02, 2015	GCET
14.	FLAT	April 02, 2015	GCET
15.	DBMS	March 27, 2015	GCET
16.	Data Mining	September 23, 2014	GCET
17.	Information Retrieval Systems	August 14, 2014	GCET
18.	Information Security Education & Awareness	February 19, 2014	GCET
19.	Top down & Bottom up Parsers	February 5, 2014	GCET
20.	Applications Greedy Method	February 5, 2014	GCET

21.	FLAT	February 3, 2014	GCET
22.	Student Roles & Responsibilities	January 07, 2014	GCET

21. **Student profile program (course)-wise:** Profile of the students in various programs as in Q. No.2 is as given below. It may kindly be noted that the admissions are made based on the EAMCET ranks and the allotments are made by the Convener, EAMCET until the quota of seats are filled. Hence, in the table below, instead of **the number of received applications**, stated is **the Sanctioned Intake** each UG or PG batch Year-wise

A) B.Tech (UG)

Batch Admitted	Sanctioned Intake	Students Joined/ Admitted		Pass Percentage	
		Male	Female	Male	Female
2012-16	180	97	77	76%	83%
2011-15	120	56	64	78%	87%
2010-14	120	49	69	85%	89%
2009-13	120	49	69	91%	94%

B) M.Tech – Computer Science and Engineering (PG)

Batch Admitted	Sanctioned Intake	Students Joined/ Admitted		Pass Percentage	
		Male	Female	Male	Female
2014-16	30	11	13	54 %	53%
2013-15	30	7	16	100%	93%
2012-14	18	8	10	100%	100%
2011-13	18	9	9	100%	100%

22. Diversity of Students

Year	Name of the Program	% students from the college	% students from the same state (Telangana)	% students from the other state (including AP)	% of students from other Countries
2016-20	B.Tech –CSE	NA	100	0	0
2015-19			100	0	0
2014-18			100	0	0
2013-17			100	0	0
2012-16			100	0	0



2016-18	M.Tech – CSE	0	100	0	0
2015-17		0	100	0	0
2014-16		0	100	0	0
2013-15		0	100	0	0
2012-14		0	100	0	0

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

Name of the Competitive Exam	No. of Students Qualified			
	2015-16	2014-15	2013-14	2012-13
GATE/ PGECET	3	-	2	6
GRE / CAT/ TOEFL / GMAT	19	10	16	11
Total	22	10	18	17

**24. Student progression**

Student Progression	Percentage against enrolled				
	2016-17	2015-16	2014-15	2013-14	2012-13
UG to PG	NA	12%	8%	16%	19%
PG to M.Phil	NA	NA	NA	NA	NA
PG to Ph.D	-	-	-	-	-
Ph.D to Post Doctoral	-	-	-	-	-
Employed					
• Campus Selection	47%	31%	45%	68%	65%
• Other than Campus Recruitment	3%	3%	22%	6%	8%
Entrepreneurship/ Self-employment	-	-	-	-	-

**25. Diversity of staff**

Percentage of faculty who are graduates (PG)	
of the same parent university	60.93% (39 out of 64)
from other universities within the State	32.81% (21 out of 64)
from other universities from other States	6.25% (4 out of 64)

26. **Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period (chronologically reverse order):** Faculty received details as below:

- A) Mr. K.Srinivas Received Ph.D. in June 2015.
- B) Mr. S.Nagender Kumar Ph.D. in October 2014.

27. **Present details about infrastructural facilities**

**a. Department Library**

No. of Titles	No. of Volumes	No. of Computers with printer & internet facility	Library Plinth Area
330	340	1	22 Sq.m

**b. Internet facilities for staff and students**

Each faculty room is equipped with computers and internet connections. All systems in Labs, Department and Department Library are provided with internet facility.

Internet Service Providers:

- a) Vainavi Communication (P) Ltd - (48 Mbps)
  - b) Excel Media (P) Ltd - (16 Mbps)
- c. **Total number of class rooms** : 16 (UG) +2 (PG)

**d. Class rooms with ICT facility**

An exclusive fully equipped E-class room is available to conduct ICT lectures. Apart from that, any class room can be provided with ICT facility with the exclusive LCD projectors and Laptops available in the department. Besides, all the Seminar Halls are equipped with LCD projectors.

- e. **Students laboratories:** It may kindly be noted that in view of Autonomous status achieved there are plans to make changes as per (i) the new curriculum and (ii) directions of the JNTUH & AICTE. However, for the assessment years AY 2013 -14 to AY 16-17, following are the details of various laboratories.

S.No.	Program	Name of the Lab	Block	Room No	Area
1	UG	Database Management System Lab-1/Data warehousing and Mining Lab-1	I	201	66 Sq.Mtrs
2	UG	Database Management System Lab-2/Data warehousing and Mining Lab-2	I	202	66 Sq.Mtrs
3	UG	Object Oriented Programming through Java Lab-1/Linux Programming Lab-1	I	203	66 Sq.Mtrs
4	UG	Object Oriented Programming through Java Lab-2/Linux Programming Lab-2	I	204	66 Sq.Mtrs
5	UG	Data Structures Lab-1	I	205	66 Sq.Mtrs
6	PG	M.Tech CSE Lab	I	304	66 Sq.Mtrs
7	UG	Algorithms Lab	I	305	66 Sq.Mtrs
8	UG	Compiler Design Lab	I	115	66 Sq.Mtrs
9	UG	Computer Organization and Assembly Language Programming Lab	I	116	66 Sq.Mtrs
10	UG	Operating Systems Lab-1	I	215	66 Sq Mtrs
11	UG	Operating Systems Lab-2	I	216	66 Sq.Mtrs
12	UG	Data Structures Lab-2	I	219	66 Sq.Mtrs
13	UG	Computer Programming Lab-1	II	R104	117 Sq.Mtrs
14	UG	Computer Programming Lab-2	II	R105	117 Sq.Mtrs
15	UG	Computational Mathematics Lab-1	II	R304A	66 Sq.Mtrs
16	UG	Computational Mathematics Lab-2	II	R304B	66 Sq.Mtrs
17	UG	ITWS	II	R310	66 Sq.Mtrs

**f. Research laboratories**

Previous R&D lab of 66 Sq. meters is now upgraded to 120 Sq. meters.

**28. Number of students of the department getting financial assistance from College.**

- Geethanjali College of Engineering and Technology is providing Scholarships to Students for their proven academic excellence.
- Raja Reddy Memorial Award for academic excellence is given to the topper in each branch for all years of students.

Name of Agency	No. of Students Received Financial Assistance			
	2016-17	2015-16	2014-15	2013-14
Management of GCET (Sponsored by Teja Educational Society)	-	15	12	8

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

New programs have not been initiated in the last four academic years.

**30. Does the department obtain feedback from**

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
- c. Alumni and employers on the programmes and what is the response of the department to the same?

-Yes. Following may be noted with respect to the above three aspects a, b and c:

- Department shares the feedback received from students, peers and seniors regularly with the concerned faculty on various aspects such as: Punctuality, Regularity, Class Control, Students' ability to understand topics covered, weekly coverage of the syllabus by the faculty, Marks secured by students in each subject, Course End Survey as how the faculty handled the course and how far the subjects taught met the course outcomes and so on.
- In addition to the above every faculty is attached to a senior faculty to enable him/ her learn to enhance teaching-learning techniques of a subject.
- If the measured course outcomes average is found unsatisfactory, suitable steps are taken to enhance the course outcome average measurements of the subsequent semester by focusing more on such subjects who contribute to poor / unsatisfactory performance via monitoring

by HoD.

- Upon providing enough opportunity for the faculty to improve via faculty mentoring process, it is ensured that the faculty performance is improved year after year. In spite of all the above efforts and in the worst case event if non improvement of the faculty's performance, the faculty concerned will be asked to sever his services with the institute.
- Based on the feedback received from the Alumni on the course curriculum, as and when needed JNTUH is informed of the same to make relevant changes, if it deems fit. From 2016-17 onwards, in view of UGC Autonomy, the department proposes changes to the curriculum appropriately based on Alumni feedback.

**31. List the distinguished alumni of the department (maximum 10)**

S. No.	Roll No.	Name	Industry of repute
1	10R11A0592	K.VASANTHA LAXMI	OPEN TEXT
2	10R11A0521	KOMPELA KOUSHIK	TCS
3	11R11A0573	DEBARATHI BENARJI	HCL
4	11R11A05B4	V.CHAITANYA	ADP
5	12R11A05C4	B M S V SURYAVATHI	TECH MAHINDRA LTD
6	12R11A0584	K AKHIL	DATA 64 CYBER SOLUTIONS
7	12R11A0559	VENKATESHAM VIGNESHWARAN	DARK HORSE IT COUNSELING
8	12R11A0529	KETKI SUNIL RAYTER	COGNIZANT
9	12R11A0529	KETKI SUNIL RAYTER	INFOSYS
10	12R11A0545	P V SAI ANJANA	AMAZON DEVELOPMENT

**32. Give details of student enrichment programmes.**

Department conducted student enrichment programmes (special lectures / workshops / seminar) with external experts as summarized below:

S.No.	Event Name	Number in an Academic Year			
		2016-17	2015-16	2014-15	2013-14
1	Seminars / Guest Lectures	5	6	6	5
2	Workshops	-	-	1	2

Please refer ANNEXURE-CSE-B for more details.

**33. List the teaching methods adopted by the faculty for different programmes.**

- Visual teaching methods namely, video lectures of reputed institutes, NPTEL lectures, YouTube videos, etc.
- Students are given Assignments, encouraged to participate in Group Discussions for better understanding of the course topics.
- Tutorial classes are conducted in all subjects with a view to have a clear understanding of the complex concepts.
- Industrial and site visits are arranged regularly for students to expose them to latest technology.
- Department conducts course specific guest lectures by experts.
- Students are provided with exclusive internet facility in digital Library to upgrade their knowledge.
- The Institution offers digital Library and departmental libraries which can be made use of by students to enhance their knowledge.
- Students are encouraged to conduct and participate in technical events involving design, analysis & modeling of Electronic Systems.
- Employability skills, soft skills, etc. are provided.
- Institute periodically conducts technical events like BHASWARA, project exhibition, etc. for the students to familiarize with the contents beyond curriculum.
- The students are encouraged to become members of student chapters of IEEE, IETE, ISTE and students get exposed to advanced technologies through seminars workshops etc., conducted by them.
- Students are motivated to give seminars on contemporary technical topics.
- Students do mini projects and major projects making use of the college infrastructure and also are encouraged to take-up internship in reputed organizations.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Program Objectives, often referred to as Program Educational Objectives (PEOs) are communicated to the students along with the learning outcomes. To ensure the attainment of PEOs and learning outcomes, the following measures are taken:

From the objectives articulated, using Bloom's Taxonomy,

1. Faculty specify a clear set of outcomes that all students shall achieve.
2. Faculty select, from the set of outcomes, those that should be given top priority. These are the learning outcomes that will be of most value to the students and are taught in a way that the students can comprehend with ease.
3. Faculty provide examples to students of what they will be able to do when they have achieved those outcomes.
4. Few additional extension outcomes provide some students with a much deeper understanding of the issues being studied.
5. Faculty teach detailed prerequisites that students must master before attempting to achieve each new outcome and ensure the same through several assessment methods.
6. Faculty plan and use several different teaching strategies that help students achieve the desired learning outcomes.
7. A variety of direct assessment methods comprising tests, assignments, homework problems, tutorial sessions, guided practice/laboratory sessions, etc provide both the teacher and the students with feedback on their progress towards the achievement of learning outcomes.

### **Direct Assessment Methods**

- Course-related assessment
  - ✓ Assignments / Projects
  - ✓ Case Studies
  - ✓ Classroom Assessment including Tutorials
  - ✓ Quizzes
  - ✓ Probing during and after lecture
  - ✓ Course-embedded Questions and Assignments
  - ✓ Essays
  - ✓ Theses, research and publications
- Presentations/Seminars, if any
- Standardized assessments (Internal Tests, End Exams)
- Other
  - ✓ Transcript analysis
  - ✓ Placement record of graduates

In addition, indirect assessment methods are also used, which are listed below.

### **Indirect Assessment Methods**

- Institutional and Program Surveys
  - Alumni Surveys
  - Employer Surveys
  - Graduating Seniors and Graduate Surveys
  - Student Satisfaction Surveys
- Other
  - Focus groups
  - Interviews (faculty members, graduating students, alumni)

These outcome based course assessment and evaluation tools are a combination of the following:

1. Tutorials
2. Homework assignments
3. Quizzes
4. Exams (Internal Assessment tests, University End semester exams)
5. Class attendance and participation in class
6. Laboratory experimentation and laboratory written reports
7. Design Project, its written report and oral presentation
8. Computer simulation using C, MATLAB, ANSYS, etc
9. Prototype development, if any
10. Major project and teamwork
11. Course assessment/end survey (by students)
12. Instructor's teaching performance evaluation (by students).



## Parameters for assessment of Project Work

Students' design project performance should be evaluated based on written reports and oral presentations. The key elements that the student had to demonstrate in their design project include, but not limited to the following:

- a. Were the objectives and purpose clearly stated?
- b. Was the problem well defined?
- c. Was the project properly justified (Why?) (Scientific, economic, value addition?)
- d. Was the design, analysis and modelling understood?
- e. Was the approach taken reached as part of a selection process?
- f. Are the results technically and economically feasible?
- g. Effective conclusions / recommendations?
- h. Quality of the work or design.
  - i. Was the content well organized?
  - ii. Were there appropriate use of graphs, charts, board, audio-video, etc.
  - iii. Was the message clearly delivered?
  - iv. Was Teamwork evident in the design, implementation and presentation?

After having completed the exercise of assessment and evaluation of various outcomes, we need to map the following to check whether we have achieved our objective of providing outcome based education and to what extent.

- COs to POs and PSOs
- POs and PSOs to PEOs

Over and above the mapping of the above, we also obtain feedback from all stake holders on a periodical basis and we verify the attainment of the various outcomes.

- The level of understanding of the students is assessed by evaluating the assignments, internal examinations.
- Faculty use various other resources and teaching techniques which are heavily based on multimedia and assist students who do not master the required outcomes as quickly as other students.
- Mapping between the questions given in various assessment methods and course outcomes, course outcomes to program outcomes, program outcomes to PEOs ensures the desired attainment level of the students.

- Continuous progress of students is closely observed by mentor, and proper suggestions are given to the students based on their performance in class work and exams, for meeting the learning outcomes.
- Course coordinator ensures course requirements are met, program coordinator ensures the program requirements are met, which finally ensure that the learning outcomes are continuously monitored and finally the programme objectives are met.
- At the end of every semester, for each course, Course End Survey is carried out regularly with special emphasis on course outcomes. The same is being analyzed from time to time and necessary steps are being taken to meet the learning outcomes, program outcomes, and program objectives in the subsequent semesters.
- Every year various instruments are used to monitor to ensure whether the objectives of the program are met. Few of the instruments are as listed below:
  - a. student surveys
  - b. informal interactions with students
  - c. assessment of coursework relevancy,
  - d. interaction with alumni and industry,
  - e. collaboration with various professional / engineering organizations.

Based on this evaluation, strengths, weaknesses and opportunities in the program are identified. The implementation of the correction process is closely monitored by the Program Assessment Committee, then by the departmental assessment committee, which finally offers its recommendations to the decision making bodies such as the Board of Studies of the department and the College Academic Council.

**35. Highlight the participation of students and faculty in extension activities.**

The extension activities are majorly been conducted by the NSS Unit and NEN Unit of the institution. Faculty and students of the institute actively take part in the events organized by the units.

(a) **NSS Unit:** During the assessment period i.e., from 2013-14 to 2016-17, from the CSE Departments on an average there are 20% of CSE Students per year participate in the following NSS Unit Activities of the GCET Hyd.:

- Swachh Bharat
- Blood Donation camp

- Health Camp including Eye-Check up camp and so on.

For details of participation of CSE Department in NSS activities held by NSS Unit kindly refer ANNEXURE-CSE-C

➤ Following faculty from CSE Department are NSS Faculty coordinators

S.NO	Name of the Faculty	Role of Faculty	Academic Year
1	Mr.M.Srinivas	Associate Professor	2015-16
2	Mr.B.Srinivas	Associate Professor	2014-15
3	Mr.S.Ramanjaneyulu	Asst.Professor	2014-15 to 2016-17

(b) NEN Unit: During the assessment period i.e., from 2013-14 to 2016-17, from the CSE Departments on an average there are 35% of CSE Students per year participate in the following NEN Unit Activities of the GCET Hyd

- Induction Program
- Team Leaders Recruitment
- Team Members Recruitments and so on.

For details refer ANNEXURE-CSE-D.

- Induction Program
- Team Leaders Recruitment
- Team Members Recruitments and so on.

### 36. Give details of “beyond syllabus scholarly activities” of the department.

With an aim to promote scholarly activities beyond the regular curriculum the Department of CSE involves its students to participate in:

- Project Exhibition: conducted once a year - Students will make technical presentations via working and non-working models on topics of current significance and future trends
- BHASWARA-Technical Symposium: an Institute level event in which students participate in paper presentations, project demonstrations, poster presentations, ROBO Quest etc. The institution has a Career guidance committee which conducts awareness programs by inviting eminent personalities from various industries which provides a career guidance for the students.

- CRT (Campus Recruitment Training): The institute conducts CRT classes from second year onwards which trains the students in aptitude, verbal & logical reasoning, group discussions. It also helps to improve their personality development skills.
- BEC (Business English Certificate) and FL (Foreign Language): The institute provides an opportunity to the students to learn foreign languages and English certification course through BEC and FL classes. These classes are organized for 2<sup>nd</sup> and 3<sup>rd</sup> Years students.
- Students are encouraged to attend the training/workshops in the domains of (i) Database Management System and (ii) Object Oriented Programming through Java after the regular class hours.
- Oracle Certification Programs are conducted to bridge the technical/advancement gap between the industry and academia.

Additionally, value added courses are imparted to get trained well in the Computer Science field such as:

- Free Open Source Software tutorials.
- Personality Development & Soft Skills

**37. State whether the programme/ department is accredited/ graded by other agencies.**

**Give details.**

- B.Tech (CSE) program of the Department is accredited by NBA team twice (First time in 2012 for a period of two years and then reaccredited in 2015 for a period of three years).

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

After several brain storming sessions, we have identified the following strengths, weaknesses, opportunities and challenges of CSE department

Detail any five strengths, weaknesses, opportunities and challenges (SWOC) of the department

**Strengths**

- Accredited twice by NBA
- Well established Infrastructure
- Teaching Learning Process through ICT
- Well experienced faculty

- Self motivation among faculty members
- Outcome based curriculum for Industry readiness

#### **Weakness**

- R&D Projects
- Patents
- MoU with MNC's

#### **Opportunities**

- To conduct National/International Workshop/Seminar
- To start e-journals
- Research Publications
- Tremendous opportunities for interdisciplinary research as good number of PhDs with various specializations

#### **Challenges**

- Establishing Multi-disciplinary Lab
- Ever growing and changing technological advancement
- Growing competition from old colleges and universities with the increase in intake in CSE program

#### **39. Future plans of the department.**

- Applying number of funded projects to various agencies
- Establishment of Smart Systems Laboratory
- Filing number of Patents
- Collaboration with national/foreign universities
- Establishing an Incubation Center.

# CSE Department Evaluative Report Annexures

**Research Publications Presented In Journals and Conferences in the last four academic years**

**Table-1: 2016-17 (June – May)**

**Publications (last four years):**

S. No.	Name of the Faculty, Qualification & Designation	Details of Research Publications	International / National Journals/ Conferences	Digital object Identifier(DO I)	Year of Publishing/ Registered
1.	Dr.S.Nagender Kumar HOD & Professor	Wireless Sensor Sequence data Model for Smart Home and IoT data Analytics	International Conference	International Conference on Computational Intelligence and Informatics	1 <sup>st</sup> Dec 2016
2.	Nagaraj Peddarapu Assistant Professor	Adequate Data Investigation and MapReduce Programming Criterion	International Conference	International Conference on Recent Innovations in Engineering & Technology	22 <sup>nd</sup> -23 <sup>rd</sup> Dec 2016
3.	E.Mahender Assistant Professor	Adequate Data Investigation and MapReduce Programming Criterion	International Conference	International Conference on Recent Innovations in Engineering & Technology	22 <sup>nd</sup> -23 <sup>rd</sup> Dec 2016
4.	K.Shiva Kumar Assistant Professor	Adequate Data Investigation and MapReduce Programming Criterion	International Conference	International Conference on Recent Innovations in Engineering & Technology	22 <sup>nd</sup> -23 <sup>rd</sup> Dec 2016
5.	A.SreeLakshmi Associate Professor	Towards Opyimization of Hadoop Mareduce Jobs on Cloud	International Conference	International Conference on Computing ,Analytics and Security Trends	19 <sup>th</sup> Dec To 21 <sup>st</sup> Dec 2016
6.	B.Mamtha Assistant Professor	Detecting maiware Distribution in Large	International Journal	International Journal for	Dec 2016

		scale Networks		Technological Research In Engineering Vol 4, Issue 3, ISSN:2347-4718	
7.	M.Srinivas Associate Professor	Word Sense Disambiguation Techniques for Indian and other Asian languagesP: A Survey	International Journal	International Journal of Computer Applications(0975-8887)	Dec 2016
8.	M.Srinivas Associate Professor	An Empirical Study of Word Sense Disambiguation	International Journal	International Journal on Natural Language Computing (IJNLC), Vol.5, No.5	Oct 2016
9.	C.Esther Verma Associate Professor	A Noval Approach for Security Issues Associated with Big Data	International Journal	International Journal of Research	Oct 2016
10.	V.Bhavana Eswar Assistant Professor	A Noval Approach for Security Issues Associated with Big Data	International Journal	International Journal of Research	Oct 2016
11.	M.Sunil Assistant Professor	A Noval Approach for Security Issues Associated with Big Data	International Journal	International Journal of Research	Oct 2016
12.	C.Esther Verma Associate Professor	A Noval Approach for Identification of Hadoop Cloud Environment	International Journal	International Journal of Research	Oct 2016
13.	M.Bhavana Eswar Assistant Professor	A Noval Approach for Identification of Hadoop Cloud Environment	International Journal	International Journal of Research	Oct 2016
14.	M.Sunil Assistant Professor	A Noval Approach for Identification of Hadoop Cloud Environment	International Journal	International Journal of Research	Oct 2016
15.	N .Radhika Amareshwari Assistant Professor	A new Secure Intrusion –Detection System for MANETS	International Journal	International Journal of Research	Oct 2016
16.	P. Haritha	A new Secure	International	International	Oct



	Assistant Professor	Intrusion –Detection System for MANETS	Journal	Journal of Research	2016
17.	S. Ramanjaneyulu Assistant Professor	A new Secure Intrusion –Detection System for MANETS	International Journal	International Journal of Research	Oct 2016
18.	J. Uma Mahesh Assistant Professor	Data Analytics in Climate Change and its Environmental Impacts on fast Urbanization of the World	International Conference	ICRTEST	25 <sup>th</sup> Oct to 27 <sup>th</sup> Oct 2016
19.	J. Uma Mahesh Assistant Professor	Evaluating The Performance of Tree Based Classifiers Using Zika Virus Dataset	National Journal	Journal of DataMining and Management MAT	2016
20.	J. Uma Mahesh Assistant Professor	An Extensive Benchmark Experimental evaluation of methods for Multi Label Learning In R	National Journal	Journal of DataMining and Management MAT	22 <sup>nd</sup> Aug 2016
21.	N. Chandra kanth Professor	An Extensive Benchmark Experimental evaluation of methods for Multi Label Learning In R	National Journal	Journal of DataMining and Management MAT	22 <sup>nd</sup> Aug 2016
22.	M. Ravinder Reddy Assistant Professor	An Extensive Benchmark Experimental evaluation of methods for Multi Label Learning In R	National journal	Journal of DataMining and Management MAT	22 <sup>nd</sup> Aug 2016
23.	J. Uma Mahesh Assistant Professor	Data Analytics in Abroad and Indian education System Using Data mining Classification techniques by R language	National journal	Journal of DataMining and Management MAT	29 <sup>th</sup> July 2016
24.	N. Chandra kanth Professor	Data Analytics in Abroad and Indian education System Using Data mining Classification techniques by R	National journal	Journal of DataMining and Management MAT	29 <sup>th</sup> July 2016

		language			
25.	M. Ravinder Reddy Assistant Professor	Data Analytics in Abroad and Indian education System Using Data mining Classification techniques by R language	National journal	Journal of DataMining and Management MAT	29 <sup>th</sup> July 2016
26.	K.Srinivas Professor	Understanding of Big Data Analytics in real world and current perspective	International Journal	International Journal of Computer Application and Engineering Technology Volume 5-Issue 3 July 2016. Pp. 367-377	July 2016
27.	J.Uma Mahesh Assistant Professor	Data Analytics in Climate Change and its Environmental Impacts on fast Urbanization of the World	International journal	PNFE	June 2016
28.	N. Chandra kanth Professor	Data Analytics in Climate Change and its Environmental Impacts on fast Urbanization of the World	International journal	PNFE	June 2016
29.	Y.V.N. Phani Kishore Assistant Professor	Data Analytics in Climate Change and its Environmental Impacts on fast Urbanization of the World	International journal	PNFE	June 2016
30.	P. Gowtamee Radha Assistant Professor	Data Analytics in Climate Change and its Environmental Impacts on fast Urbanization of the World	International journal	PNFE	June 2016
31.	Dr.B.V.Swathi	Performance Evaluation of Fuzzy entropy based Feature Selection Algorithm	International journal	International Journal of Engineering Trends and Technology	August' 2016

32.	Dr Ch Ramesh Babu	An Efficient and Scalable Scheme for User Authentication and Privacy in Large Scale Data Sharing Systems	International journal	International Journal of Scientific Engineering and Technology Research	Sep' 2016
33.	Dr Ch Ramesh Babu	An Efficient Scale-Free Error Detecting and Locating Approach in Cloud Sensor Data	International journal	International Journal of Scientific Engineering and Technology Research	August' 2016
34.	Dr Ch Ramesh Babu	Privacy Preserving Live Content for Cloud Based Video Recommendation with Multimedia Big Data	International journal	International Journal of Innovative Technologies	June-2016
35.	Dr Ch Ramesh Babu	The Scalability Problem of Large-Scale Data Anonymization by TDS	International journal	International Journal of scientific Engineering and Technology Research	June-2016

2015-2016					
S. No.	Name of the Faculty, Qualification & Designation	Details of Research Publications	International / National Journals/ Conferences	Digital object Identifier(DOI)	Year of Publishing/ Registered
1.	Dr.S.Nagender Kumar Professor & Head	Wireless Sensor sequence data Model for Smart Home And IoT Data Analytics	International Conference	ICCII-2016	May 28 <sup>th</sup> - 30 <sup>th</sup> 2016
2.	B.Keerthi Asstistant Professor	Real WorkLoad Characterization and synthetic WorkLoad Generation	International Journal	IJRET eISSN :2319-1163, Vol-05, Issue-05 Pg.No.417-429	May 2016
3.	C.Y.Rao Asstistant Professor	Real WorkLoad Characterization and synthetic WorkLoad Generation	International Journal	IJRET eISSN :2319-1163, Vol-05, Issue-05 Pg.No.417-429	May 2016
4.	M.Vijaya Bhaskar Reddy Assistant Professor	Review on Big data Cloud Computing Security issues	International Journal	IJCIT- ISSN:2345-9794, Vol-	Jan 2016

				4, Issue-1	
5.	Dr.S.Nagender Kumar Professor & Head	WSN-based Smart Sensors And Actuators for power management in intelligent buildings	International Journal	IEEE	2016
6.	Dr. D.S.R Murthy Professor	Parameter variation Method involving Runge –Kutta method applied to the problem of multiple Linear regression Having two predictor governed by the Modified Least Square Method	International Journal	IJMCM ISSN: 2051-4271, vol:20 Issue:1 page nos 1182-1187	June 2015
7.	Dr. D.S.R Murthy Professor	Automated detection Of Root cause And Fixing of Programs with Patches	International Journal	IJECE ISSN: 2349-8218 Vol:1, Issue:4	June 2015
8.	A.SriLakshmi Associate Professor	Scheduling of parallel Applications Using Map Reduce On Cloud	International Journal	IJCSI ISSN:0975-9646	2015
9.	Dr.S.Udaya Kumar Professor & Principal	A Modified Technique for Reliable Image Encryption Method using Merkle-Hellman Crypto System and RSA Algorithm	International Journal	Journal of Discrete mathematical Sciences And Cryptography Vol:18	2015
10.	G. Lokeshwari Associate Professor	A Modified Technique for Reliable Image Encryption Method using Merkle-Hellman Crypto System and RSA Algorithm	International Journal	Journal of Discrete mathematical Sciences And Cryptography Vol:18	2015
11.	Dr.S.Udaya Kumar Professor & Principal	An Efficient image Encryption Using Merkle-Hellman, Elgamal and genetic Algorithm for Color images	International Journal	Applied Mechanics And Materials	2015

12.	G. Lokeshwari Associate Professor	An Efficient image Encryption Using Merkle-Hellman, Elgamal and genetic Algorithm for Color images	International Journal	Applied Mechanics And Materials	2015
13.	Preeti Prasada Assistant professor	Satellite Multi Spectral Image enhancement based on Pan Sharpening under NSCT Domain	International Journal	IJSETR ISSN:2319-8885, Vol:4, pg.No:11540-11545	Dec 2015
14.	Y.Chandra Mouli Assistant Professor	AN(M,K) Model based Real time Scheduling technique for Security Enhancement	International Journal	IJCSIS ISSN:1947-5500, Vol:13, pg.No:10-18	Oct 2015
15.	Dr.D.S.R.Murthy Professor	Encryption of Message using a Key bunch matrix, containing even integers and its authentication code obtained by Modular arithmetic addition	International Journal	IJAC	Sep 1 <sup>ST</sup> 2015
16.	Dr.D.S.R.Murthy Professor	Synthetic Vision Systems-Teerian Database, Symbology & display requirements	Article Review	IJCSBI	Aug 22 <sup>nd</sup> 2015
17.	Dr Ch Ramesh Babu	An Optimal Checkpoint Automation Mechanism for Fault Tolerance in Computational Grid	International journal	International Journal of Scientific & Engineering Research	February -2016
18.	Dr Ch Ramesh Babu	Internet Protocols: Migration towards IPv6	International journal	International Journal of Innovative Research in Science, Engineering and Technology	March-2016

2014-15					
S.No	Name of the Faculty	Title of the Research Publication	International Journal/ National journal	Name of the Journal	Date of Publication /

					<b>Present ation</b>
	A.Lalitha Venkatesan	An Empirical Assessment on Cost Effectiveness and Reusability of Test Cases using Defect Severity Levels in Regression Testing	International Journal	International Journal on Scientific and Engineering Research( IJSER) Vol -5	May 2015
	Dr.D.S.R Murthy	Enhanced Representation of Data Flow Anomaly Detection For Teaching Evaluation	International Journal	International Journal of Research in Computer & Communication Technology (IJRCCT) Vol-4, Issue # 4	April 2015
	Madhuri Agrawal Gupta	Evaluating Improved Performance Mobile Ad-hoc Networks	International Journal	International Journal of Innovative Research in Engineering and Multidisciplinary Physical Sciences(IJIRMP S) Vol-3 Issue-2, ISSN:2349-7300	April 2015
	N.Radhika Amareshwari	An Upper Confidence Bounds for Self Adaptation of Playing Strategies in General Game Playing	International Journal	International Journal of Research in Advent Technology (IJRAT)	20 <sup>th</sup> March 2015
	S.Ramanjaneyulu	An Upper Confidence Bounds for Self Adaptation of Playing Strategies in General Game Playing	International Journal	International Journal of Research in Advent Technology (IJRAT)	20 <sup>th</sup> March 2015
	A.Sree Lakshmi	Scheduling of Parallel Applications Using Map Reduce On Cloud : A Literature Survey	International Journal	International Journal of Computer Science and Information Technologies (IJCSIT)	Jan 2015
	N.Swapna	Best Least Square Solutions of Boundary Value Problems Associated with a System of First Order Matrix Differential Equation	International Journal	Electronic modeling	2015
	Dr. Nagender Kumar Suryadevara	Internet Of Things & Smart Home Monitoring: An Impending Perspective	International Conference	International Conference on Advances in Computer Engineering ACE 2014	27 <sup>th</sup> Dec 2014
	Dr.GVS Acharyulu	Four Stage Encryption	International Journal	International	Dec

		Generalizations: Partitioned Output Cryptosystem		Journal of Computer and Applications (0975-8887)	2014
	Prof S.Tirupathi Rao	Implementation of Cloud Computing for Mobile Users	International Journal	International Journal of Computer Science and Information Technologies (IJCSIT)	2014
	P.Dileep	Implementation of Cloud Computing for Mobile Users	International Journal	International Journal of Computer Science and Information Technologies (IJCSIT)	2014
	P.Preeti Prasada	Authentication To M-Banking Users	International Journal	International Journal of Engineering Research and Technology	2014
	.M.Raja Krishna Kumar	Efficient Web Based text Query Results Refining Mechanism Using Relevance Feed Back	International Journal	International journal of Research in Advent Technology (E-ISSN:2321-9637)	Nov 2014
	Mounika Komirelli	Efficient Web Based text Query Results Refining Mechanism Using Relevance Feed Back	International Journal	International journal of Research in Advent Technology (E-ISSN:2321-9637)	Nov 2014
	Dr.D.S.R Murthy	A comparative Study of Least Square method and the modified Least Square method for Linear Regression	International Journal	International Journal of Advanced Computing	Oct 2014
	Dr.D.S.R Murthy	A Modified Least Square method for Linear Regression	International Journal	International Journal of Advanced Computing	Sept 2014
	Prof S.Tirupathi Rao	Forwarding Web service Request to a Single Service Instance in Service Oriented Networking	International Journal	International Journal of Computer Trends And Technology (IJCTT) ISSN:2231-2803	Sep 2014
	S.Ramanjaneyulu	Big Data: Mining the Web Data and Its Causes on retail Marketing	International Journal	International Journal of Research in Advent Technology (IJRAT)(E-ISSN:2321-9657)	Sept 2014

	K.Vijay Bhaskar	Big Data: Mining the Web Data and Its Causes on retail Marketing	International Journal	International Journal of Research in Advent Technology (IJRAT)(E-ISSN:2321-9657)	Sept 2014
	Esther Varma	Estimation of Secluded data in Cloud Computing	International Journal	International Journals of Reviews on Recent Electronics and Computer Science (IJRRECS)	Aug 2014
	V.Bhavana Eswar	Estimation of Secluded data in Cloud Computing	International Journal	International Journals of Reviews on Recent Electronics and Computer Science (IJRRECS)	Aug 2014
	Dr.S.Udaya Kumar	An efficient image encryption using Merkle-Hellman, Elgamaland genetic algorithm for color images	International Conference	International conference on control and Information Technology	Aug 2014
	G.Lokeshwari	An efficient image encryption using Merkle-Hellman, Elgamaland genetic algorithm for color images	International Conference	International conference on control and Information Technology	Aug 2014
	Dr. Nagender Kumar Suryadevara	An Intelligent System for Continuous Monitoring of Wellness of Inhabitant of Sustainable Future	IEEE Paper	IEEE Region 10 Humanitarian Technology Conference2014	Aug 2014
	B.Srinivas	A new approach for estimation of required data from uncertain data by using EM algorithm	International Conference	2 <sup>nd</sup> International conference on “Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014
	CH.V.Anupama	Proficient Search Algorithm for P2P networks	International Conference	2 <sup>nd</sup> International conference on “Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014
	Deepa Panse	Multi Factor Authentication in Cloud Computing for Data Storage Security	International Journal	International Journal of Advanced Research in Computer science and Software Engineering (ISSN:2277128X)	Aug 2014



	P.Haritha	Multi Factor Authentication in Cloud Computing for Data Storage Security	International Journal	International Journal of Advanced Research in Computer science and Software Engineering (ISSN:2277128X)	Aug 2014
	M.Ashwini	Literature survey on elliptical cryptography for wireless security	International Conference	2 <sup>nd</sup> International conference on "Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014
	V.Siva Narayana Reddy	Personalized knowledge-driven search system	International Conference	2 <sup>nd</sup> International conference on "Innovations in computer science & Engineering (ICICSE-2014)	Aug 2014
	B.Srinivas	Study of MRSP-A comparison study of Diversity, Relevance, Importance in Ranking	International Journal	International Journal of Engineering Research & Technology ISSN:2278-0181)	July 2014
	Dr. Dasika Ratna Deepthi	A Novel Authentication System Using Human Behaviour against Objects	International Journal	International Journal of Advanced Research in Computer Science and Software Engineering ISSN: 2277 128X	June 2014
	Dr Ch Ramesh Babu	Automatic Checkpointing based Fault Tolerance in Computational Grid.	International Conference	IEEE	2014

2013-14					
S. No.	Name of the Faculty	Details of Research Publications	International / National Journals/ Conferences	Digital object Identifier(DOI)	Year of Publishing/ Registered
1.	K.Vijaya Bhaskar	Detecting SQL Injection and Cross-Site Scripting Attacks in Web Applications	International Journal	IJCSEE- ISSN:0975-5664,Vol-4,Issue-1	March,2014
2.	S.Ramanjaneyulu	Detecting SQL Injection and Cross-Site Scripting Attacks in Web Applications	International Journal	IJCSEE- ISSN:0975-5664,Vol-4,Issue-1	March,2014
3.	Dr. D. Ratna Deepthi Professor & Head	Competitive advantage through business intelligence for E-commerce	International journal of computer & organization trends- vol-3, Issue-11	ISSN-2249-2593	Dec-2013
4.	A.Sree Lakshmi Assoc. Prof.	Parallel Computing on cloud for massively intensive applications using mapreduce	International journal of scientific & engineering research, Vol-4,Issue-11	ISSN-2229-5518	Nov-2013
5.	P.Ushashree Asst.Prof.	Video Compression Based on RMB	International Journal	IJECCE- ISSN:2249-071X,Vol-4,Issue-6	2013
6.	Preeti Prasada Asst.Prof.	Video Compression Based on RMB	International Journal	IJECCE- ISSN:2249-071X,Vol-4,Issue-6	2013
7.	D.Praneeth Asst.Prof.	Effective Algo for the Frequent ItemSet in DataMining	International Journal	IJECCE- ISSN:2249-071X,Vol-4,Issue-6	2013
8.	Madhuri Agarwal Gupta	Effective Algo for the Frequent ItemSet in DataMining	International Journal	IJECCE- ISSN:2249-071X,Vol-4,Issue-6	2013
9.	A.Bixapathi Asst.Prof.	Advanced Information System Approach to Design of Emergency Response on Natural Disaster	International Journal	IJECCE- ISSN:2249-071X,Vol-4,Issue-6	2013
10.	T.Vani Programmer	Advanced Trust Based Approach For Increasing Security in Cloud Computing	International Journal	IJECCE- ISSN:2249-071X,Vol-4,Issue-6	2013
11.	V.Koteswari Programmer	Advanced Information System Approach to Design of Emergency Response on Natural Disaster	International Journal	IJECCE- ISSN:2249-071X,Vol-4,Issue-6	2013
12.	M.Raja Krishna Kumar M.Tech,(Ph.D.) Assoc.Prof.	Innovative Context Free Approach for Image Retrieval	International Journal	IJCSIT- ISSN:0975-9646,Vol 3(6)	2013

13.	VR Rao Konkimalla	Revision of Amdahl's Law for COTS Cluster for a Highly Parallel Task	CSA 2013 a conference organized by ACEEE	Elsevier ISBN : 978935107	2013
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**ANNEXURE-CSE-B**

**A.Y:2016-17**

Sl no	Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration
<b>2016-17 Guest Lectures for Students</b>				
1	<b>SAP</b>	IPA Education (Delivery partner of SAP)	Placement cell,GCET	1 Day (23-06-2016)
2	<b>Big Data Analytics</b>	Pramati Technologies Pvt Ltd,Hyderabad	Ms.M.Bhavana, Asst.Prof,CSE Dept,GCET	1 Day (16-07-2016)
3	<b>Awareness On Technology</b>	ZENOPSYS, Hyderabad	Placement Cell,GCET	1 Day (08-09-16)
4	<b>Big Data &amp; Hadoop with hands On practice</b>	Solix Technologies, Hyderabad	G.Uma Mahesh, Asst.Prof,CSE Dept,GCET & M.Ravinder, Asst.Prof,CSE Dept,GCET	1 Day (03-09-16)
5	<b>Industry Readiness</b>	Mr.P.Srinivas CEO, TRECIS, Master Trainer, ORACLE Academy	K.Raja Krishna Kumar	1 Day (27-01-2017)

**A.Y 2015-16**

	<b>Module Description</b>	<b>Any other contributory Inst./ Industry</b>	<b>Developed / organized by</b>	<b>Duration</b>
Sl no	<b>FDP</b>			
1	<b>WSN Data Fusion For Support Of IOT Data Analysis With Hands On Practice</b>	GCET	Dr.Nagendra Kumar Suryadevara, Professor& Head of CSE Dept,GCET	5 Days (20-12-15 & 24-12-15)
2	<b>Logic Building and C Programming</b>	Tech Mahindra	N.Chandra Kanth, Professor,CSE Dept,GCET.  & Y.V.N.Phani Kishore Asst.Professor, CSE Dept, GCET.	6 Days (9-5-16 to 14-5-16)

Sl no	<b>Module Description</b>	<b>Any other contributory Inst./ Industry</b>	<b>Developed / organized by</b>	<b>Duration</b>
	<b>2015-16 Guest Lectures for Students</b>			
1	<b>Software Engineering: Quality Management</b>	TCS Hyderabad	Mr.D.Venkateswarlu , Assoc.Prof.,CSE Dept,GCET  & Mr.M.Srinivas, Assoc.Prof.,CSE Dept,GCET	1 Day (01-10-15)

2	<b>Linux Programming: Multithreading</b>	MVSREC	Mr.D.Venkateswarlu , Assoc.Prof.,CSE Dept,GCET & Mr.M.Srinivas, Assoc.Prof.,CSE Dept,GCET	1 Day (07-10-15)
3	<b>SAP</b>	Cronos consultancy SAP	Mr.D.Venkateswarlu , Assoc.Prof.,CSE Dept,GCET & Mr.M.Srinivas, Assoc.Prof.,CSE Dept,GCET	1 Day (09-10-15)
4	<b>Career Guidance</b>	CAP Gemini North -America	Mr.D.Venkateswarlu , Assoc.Prof.,CSE Dept,GCET & Mr.M.Srinivas, Assoc.Prof.,CSE Dept,GCET	1 Day (17-12-15)
5	<b>Java Programming</b>	University Of Texas, USA	Mr.D.Venkateswarlu , Assoc.Prof.,CSE Dept,GCET & Mr.M.Srinivas, Assoc.Prof.,CSE Dept,GCET	1 Day (04-01-16)
6	<b>IOT</b>	SMARTBridge Solutions Pvt Ltd,Hyderabad	Mr.D.Venkateswarlu , Assoc.Prof.,CSE Dept,GCET & Mr.M.Srinivas, Assoc.Prof.,CSE Dept,GCET	1 Day (13-04-2016)

**2014-15**

S.No	Module Description	Resource persons	Dates conducted on
<b>FDPs</b>			
1	Computational Tools in Research	<b>1. Dr.S.Radhika</b> Professor, EEE Dept, GCET. <b>2.Mr.Rangacharyulu</b> Professor, ECE Dept, GCET. <b>3. Ms.T.Kavitha,</b> Asst.Prof ,ECE Dept, MVSR. <b>4. Dr.S.Nagendra Kumar,</b> Professor,CSE Dept, GCET.	18-12-14 & 19-12-14
2	Research Trends in Cloud Computing	<b>1. Dr.Bejawada</b> <b>Bhruhadeshwar,</b> Asst.Professor,IIITH. <b>2 . Dr.SureshPurini,</b> <b>Asst.Professor,IIITH</b> <b>3. Ms.Nava Jyothi,</b> STO,C-DAC. <b>4. Mr.G.Srinivas</b> Director,ERP Direct. <b>5.Mr.Shashi Kumar,</b> Asst.Professor,VCE	15-12-14 & 16-12-14
<b>Guest lectures</b>			
S.No	Module Description	Resource persons	Dates conducted on
1	Web Technologies – JSP	<b>1. Mr.M.Naveen,</b> Director, <b>2.Mr.Anil,</b> Sr.Developer, COIGN EDU & IT Services Pvt Ltd..	11-04-15
2	Compiler Design	<b>Dr.K.V.N.Sunitha,</b> Principal, BVRIT.	02-04-15
3	FLAT	<b>Dr.K.V.N.Sunitha ,</b> Principal, BVRIT.	02-04-15
4	DBMS	<b>Mr.M.Dhanajaya Reddy,</b> Senior Project Manager, DESHAW Software Pvt Ltd	27-03-15
5	Data Mining	<b>P.Krishna Reddy,</b> Professor, IIT-Hyderabad	23-09-14
6	Information Retrieval Systems	<b>Dr. Sameen Fathima</b> Prof & Head of Dept CSE ,OU	14-08-14
<b>Work shops</b>			
S.No	Module Description	Resource persons	Dates conducted on
1	Information Security Education & Awareness	<b>Mr.GnanaSeelan,</b> Manager, CDAC.	<b>13-08-14</b>
2	Computational tools used in Research	Prof Radhika S Prof EVLN Rangachryulu Prof S.Nagender Kumar Mrs Kavitha, MVSRCE	18-12-14 & 19-12-14

**2013-14**

S.No	Module Description	Resource persons	Dates conducted on
<b>FDPs</b>			
1	Recent Trends & Challenges in Data Mining	<b>1.Dr. B.Anuradha,</b> Principal ,Pragna Bharathi Institute of Technology. <b>2. Dr. Kumar Eswaran,</b> Chairman & CEO, <i>Altech Power Energy Sys.Pvt.Ltd.</i> , Professor (CSED), <i>SNIST</i> <b>3. Dr. V.Ravi,</b> Assoc.Professor,IDRBT <b>4.Dr. M.Seetha</b> Professor , Dept. of CSE, G.Narayanamma Institute of Technology and Science. <b>5.Dr.N.Sandhya</b> Professor & HOD of CSE. Gokaraju Rangaraju Institute of Technology and Science. <b>6.Mr. Sandeep Rawat</b> Associate Professor & HOD of CSE,Guru Nanak Institute of Technology. <b>7.Mr.Sunil Bhutada</b> Associate Professor , Dept. of CSE,Sri Nidhi Institute of Technology and Science	05-12-13 06-12-13 07-12-13
2	IMPENDING APPLICATIONS OF IMAGE PROCESSING & MACHINE LEARNING	1.Dr.Kumar Eswaran Professor (CSED),SNIST 2. Dr.B.Anuradha Princial,Pragna Bharat Institute of Tech. 3. Dr.Suresh Pabboju Prof. & Head (ITD),CBIT 4. Dr.Y.Rama Devi Professor(CSED), CBIT 5. Dr.B.Sandhya Assoc.Prof(CSED), MVSR Engg.College 6. Dr.D.Ratna Deepthi, Prof. & Head(CSED),GCET	28-06-13 29-06-13
3	CISCO	Mr.K.Naresh Babu, Asst.Prof, CSE, GCET	12-06-13 To 20-06-13
<b>Guest lectures</b>			
S.No	Module Description	Resource persons	Dates conducted on
1	Information Security Education & Awareness	<b>Mr. P.Ramu,</b> Consultant Software Architect, M/S logic Designers	19-02-14
2	Top down & Bottom up Parsers	<b>Dr.K.Anuradha</b> Vice Principal, Gokaraju Rangaraju Institute of Technology	05-02-14



		and Science	
3	Applications Greedy Method	<b>Dr.N.Sandhya</b> Professor & HOD of CSE, Gokaraju Rangaraju Institute of Technology and Science	05-02-14
4	FLAT	<b>Dr.B.Anuradha</b> Principal , Pragna BharathInstitute of Technology	03-02-14
5	Student Roles & Responsibilities	<b>Prof. M L Sai Kumar,</b> Professor & Dean,IPE, O.U.Campus, Hyd.	07-01-14
<b>Work shops</b>			
<b>S.No</b>	<b>Module Description</b>	<b>Resource persons</b>	<b>Dates conducted on</b>
1	Entrepreneurship awareness	<b>1.Prof. Abhirama Krishna,</b> Director SBSS, Secundrabad <b>2.Mr. Ramana Murthy,</b> Retired DGM, SBI <b>3.Mr. Vinay Kumar,</b> CEO, DataWise <b>4.Prof. Venu Gopal,</b> MVSR Engg College <b>5.Prof. G.Surender Reddy,</b> SNIST. <b>6.Mr. Vijaykumar</b> <b>Devarakonda,</b> Director, Indusworld International School, Secundrabad	30-01-14 & 31-01-14
2	NBA	OU committee Members	26-09-13 To 28-09-13
3	Employability Skills	Mr. Shakir loor ali	17-09-13

**ANNEXURE-CSE-C**

**Awards received by the students for the participation in the events organized by Other Universities/ Colleges/ Institutes.**

**Academic Year 2016-17**

	<b>College</b>	<b>Nature of Contest (Paper contest/ Design contest/ Technical Quiz/ Paper Expo etc.)</b>	<b>Date(s)</b>	<b>Participants</b>	<b>Awards</b>
1	CVSR	Technical Symposium 2k16 (Paper Presentation)	16 <sup>th</sup> & 17 <sup>th</sup> OCT, 2016	T.Ravi Teja	I Prize
2	CVSR	Technical Symposium 2k16 (Paper Presentation)	16 <sup>th</sup> & 17 <sup>th</sup> OCT, 2016	K.Anusha	I Prize

**Academic Year 2015-16**

	<b>College</b>	<b>Nature of Contest (Paper contest/ Design contest/ Technical Quiz/ Paper Expo etc.)</b>	<b>Date(s)</b>	<b>Participants</b>	<b>Awards</b>
1	CVR	Technical Symposium 2k15 (Paper Presentation)	6 <sup>th</sup> & 7 <sup>th</sup> September, 2015	B M S V SURYAVATHI	I Prize
2	CVR	Technical Symposium 2k16 (Paper Presentation)	6 <sup>th</sup> & 7 <sup>th</sup> September, 2015	K AKHIL	I Prize
3	CVR	Technical Symposium 2k15	6 <sup>th</sup> & 7 <sup>th</sup>	VENKATESHAM VIGNESHWARAN	II Prize

		(Paper Presentation)	September, 2015		
4	CVR	Technical Symposium 2k15 (Paper Presentation)	6 <sup>th</sup> & 7 <sup>th</sup> September, 2015	KETKI SUNIL RAYTER	II Prize

#### Academic Year 2014-15

S	College	Nature of Contest (Paper contest/ Design contest/ Technical Quiz/ Paper Expo etc.)	Date(s)	Participants	Awards
1	GCET	Bhaswara-2k14 (Paper Presentation)	16 <sup>th</sup> & 17 <sup>th</sup> OCT, 2014	K.Ratan	2 <sup>nd</sup> Prize
2	GCET	Bhaswara-2k14 (Paper Presentation)	16 <sup>th</sup> & 17 <sup>th</sup> OCT, 2014	Bhavya	2 <sup>nd</sup> Prize
3	CSI	Devthan	January 3&4 2015	Shruthi sir	Selected in top 5 projects
4	CSI	Devthan	January 3&4 2015	Sai Anjana	
5	CSI	Devthan	January 3&4 2015	KVVSR Varma	

**ANNEXURE-CSE F NSS Activities Organized**

<b>S. No.</b>	<b>Date</b>	<b>Activity</b>
<b><u>Academic Year: 2016-2017</u></b>		
1	21/06/2016	International Day of Yoga Celebrations was conducted by NSS Unit of GCET.
2	18/7/2016 – 22/7/2016	Imparting basic computer education and awareness of environmental safety mechanisms to the Govt School Children of Yadgarpally Village
3	7/8/2016	Distribution of Stationary to Primary and high schools and motivating the school students for continuing the education.
4	11/8/2016	“Telangana Harithaharam” an initiative by Govt. of Telangana for promoting tree plantation was conducted at GCET Campus
5	9/9/2016	Dust free Hyderabad campaign was conducted at Secunderabad in association with Lokashemam Foundation and GHMC.
6	10/9/2016	Awareness Campaign on Cancer and its Impact was conducted at GCET campus and Stem cells has been collected to support cancer patients
7	24/12/2016	Sensitization Campaign on Digital India and Cashless Economy was held at Cheeryal Village.
<b><u>Academic Year: 2015-2016</u></b>		
1	27/07/2015	Distribution of Stationary to Primary and high schools and motivating the school students for continuing the education.
2	07/11/2015	Environmental Awareness programme was conducted by NSS Unit at GCET.

3	19/12/2015	Blood donation camp was conducted by NSS Unit at GCET.
4	23/01/2016	Dental camp was conducted for Cheeryal villagers and school children.
5	22/02/2016 to 28/02/2016	Special Camp at Kolanupaka Village, Alair Mandal.
6	26/03/2016	Health camp was conducted for cheeryal villagers at GCET.
<b><u>Academic Year: 2014-2015</u></b>		
1	31/07/2014	Bachpan Bahavo– our students participated in ‘save children’ program at Necklace Road.
2	16/07/2014	Distribution of Stationary to Primary and high schools and motivating the school students for continuing the education
3	16/08/2014	Distribution of sports materials to Primary and high school students and deputing our PD and gave training in various sports and games
4	06/09/2014	Conducted Computer training classes to High school students for 4 weeks duration by our CSE department faculty
5	05/09/2014	Dental camp was conducted for Cheeryal villagers and school children
6	30/10/2014	Swatchh Bharath – program as a part of clean and green environment was conducted.
7	14/11/2014	Children Park equipment was provided to the Cheeryal Gram Panchayat and entertainment program was given to the kids of the village.
8.	24/01/2015	Blood donation camp was conducted by NSS Unit at GCET
9.	27/03/2015	Health camp was conducted for cheryal villagers at GCET

**ANNEXURE-CSE: NEN Activities Organized**

S. NO.	Name of the Event	Description	Date of the Event	Chief Guest/ Speaker	Location
<b>ACADEMIC YEAR 2016-17</b>					
1	Team Leaders Recruitment (2016-17)	The previous team members were recruited as Team Leads by the E-Leaders	14 <sup>th</sup> July 2016	----- ---	GCET
2	Team Members Recruitments (2016-17)	The new members for the Idea Dimension NEN 2015-2016 batch were recruited. They were made to go through three rounds. A GD, JAM and Personal Interview rounds respectively	14 <sup>th</sup> July 2016	----- ---	GCET
3	Entrepreneurship awareness camp	Two students shortlisted by JNTUH to attend the workshop on Entrepreneurship awareness	30 <sup>th</sup> and 31 <sup>st</sup> August 2016	----- ---	JNTUH
4	Young India Challenge	The CL, Young India Challenge is a country wide, innovative challenge where the student of the college will be tested against other enterprising youngsters from the country	6 <sup>th</sup> September 2016	Shiva Krishna  (CL Educate)	GCET
5	Induction Program	The Induction Ceremony was conducted for the new recruits of NEN Idea Dimension 2015-16.	13 <sup>th</sup> September 2016	Rahul Jain  (Founder, Easy Commute)	GCET

ACADEMIC YEAR 2015-16					
1	Team Leaders Recruitment(2015-16)	The previous team members were recruited as Team Leads by the E-Leaders	16 <sup>th</sup> July 2015	----- ----	GCET
2	Team Members Recruitments (2015-16)	The new members for the Idea Dimension NEN 2015-2016 batch were recruited. They were made to go through three rounds. A GD, JAM and Personal Interview rounds respectively	24 <sup>th</sup> and 25 <sup>th</sup> July 2015	----- ----	GCET
3	Friendship Day Stall	All the Idea Dimension NEN members involved in making handmade greeting cards and friendship bands and arranged a sale for the same	31 <sup>st</sup> July 2015	----- ----	GCET
4	Webinar1	The first webinar which was conducted by NEN for academic year 2015-16	20 <sup>th</sup> August 2015	----- ----	Online
5	Induction Program	The Induction Ceremony was conducted for the new recruits of NEN Idea Dimension 2015-16.	13 <sup>th</sup> September 2015	Mandakini Rao (Freelancer)	GCET
6	Wall Street	The event “Wall Street” was conducted by Archana Dash (TL of Creative Dept. ). The Event was targeted to improve the entrepreneurship skill of NEN members	28 <sup>th</sup> September 2015	----- ----	GCET

7	Entrepreneurship awareness camp	Two students shortlisted by JNTUH to attend the workshop on Entrepreneurship awareness	29 <sup>th</sup> and 30 <sup>th</sup> September 2015	----- ----	JNTUH
8	My story Session	A guest talk on his life towards entrepreneurship	2 <sup>nd</sup> January 2016	Arvind (Movie maker)	GCET
9	Cheeryal Survey	A survey in the village to provide self employment to an unemployed.	3 <sup>rd</sup> February 2016	----- ----	Cheeryal Village
10	EWEEK 2016 Stock market	Investing virtual money and learning about the real stock market	15 <sup>th</sup> February 2016	----- ----	GCET
11	Pheonix	The participants were given issues related to business ventures and they had to analyze the issue and suggest idea for the company	15 <sup>th</sup> February 2016	----- ----	GCET
12	B-Mart	Stall for selling hand made jewellery	16 <sup>th</sup> February 2016	----- ----	GCET
13	B-Plan	Each group will have a pitch a new startup idea and elaborate on how much the budget would be	16 <sup>th</sup> February 2016	----- ----	GCET
14	Guest lecture	Guest lectures by entrepreneurs to boost up our e-cell members	16 <sup>th</sup> February 2016	L.Harsha Director of Agro pvt. Ltd.	GCET
15	O captain my captain		17 <sup>th</sup> February 2016		GCET
16	Guest lecture	Guest lectures by entrepreneurs to boost	17 <sup>th</sup> February 2016	Kaushik Director	GCET



		up our e-cell members		Spaceman and mamooth	
17	Finicky Creations	Making something best out of waste material	18 <sup>th</sup> February 2016	----- ----	GCET
18	Smash Jam	It was one of a kind of event. This was the same old one minute JAM plus a twist of the smash	18 <sup>th</sup> February 2016	----- ----	GCET
19	Picture Perspective	An event designed to combine both caption writing and picture description	18 <sup>th</sup> February 2016	----- ----	GCET
<b>ACADEMIC YEAR 2014-15</b>					
1	2 Weeks FDP on Entrepreneurs hip	Faculty was trained on how to encourage entrepreneurship	23 <sup>rd</sup> June 2014 to 5 <sup>th</sup> July 2014	----- -	JNTUH
2	Team Member Recruitments( 2014-15)	The new members for the Idea Dimension NEN 2014-2015 batch were recruited. They were made to go through three rounds. A GD, JAM and Personal Interview rounds respectively	26 <sup>th</sup> July 2014 to August 5 <sup>th</sup> 2014	----- ----	GCET
3	Induction Ceremony	The Induction Ceremony was conducted for the new recruits of NEN Idea Dimension 2014-15.	7 <sup>th</sup> August 2014	Rahul Krishnan (Guinness World Record Holder)	GCET
4	Webinar 1	The first webinar which was conducted by NEN	20 <sup>th</sup> August 2014	Dr. Rosa	ONLINE
5	NEN Faculty Leaders	1 <sup>st</sup> NEN Faculty Leaders Consulting	21 <sup>st</sup> August 2014	Vishnu Priya	kasturbha Gandhi

	Consulting Meet	Meet			College
6	Webinar 2	The second webinar conducted by NEN	16 <sup>th</sup> September 2014	Rhadika Meenakshi	ONLINE
7	Ad Making	It was a perfect blend of team work and creativity	18 <sup>th</sup> September 2014	----- --	GCET
8	Smash JAM	It was one of a kind of event. This was the same old one minute JAM plus a twist of the smash	20 <sup>th</sup> September 2014	----- ----	GCET
9	Stock Market Basics	It was a workshop on a competition called stock market to be played with a dummy stock market using a blog	24 <sup>th</sup> September 2014	----- ----	GCET
10	NEN Mart	This was a sale of handmade jewellery, cup cakes, homemade candles	16 <sup>th</sup> October 2014	----- ----	GCET
11	NEN Faculty Leaders Consulting Meet	3 <sup>rd</sup> NEN Faculty Leaders Consulting Meet	28 <sup>th</sup> October 2014	Vishnu Priya	Muffakham jha College
12	Swachh Bharath	Students took part in Clean India mission	28 <sup>th</sup> October 2014	----- ----	Neredmet
13	Tata First Dot Workshop	Workshop about Tata First Dot	29 <sup>th</sup> October 2014	Vishnu priya and Radhika Meenakshi	Vasavi college of Engineering
14	E-Week	Several competitions held in the week  -Ad making  -Idea of the day	23 <sup>rd</sup> February to  28 <sup>th</sup> February	----- ----	GCET

		- Business Idea			
15	<p>Start Up:</p> <ol style="list-style-type: none"> <li>1. <b>Go Crazy to Capture: Final Year and Third year</b> Students capture videos and pictures, which are displayed and marketed in different means .</li> <li>2. <b>Padmaja Bakery:</b> A Student of third year (IT) has her own bakery running with different types of eatables.</li> <li>3. <b>Team: Campus Company:</b> A group of students who are indulged in designing websites for different companies.</li> </ol>				

# Evaluative Report of Electronics and Communication Engineering (ECE) Department

1. **Name of the Department & its year of establishment:** ELECTRONICS AND COMMUNICATION ENGINEERING, 2005
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
 UG – B.Tech.: Electronics and Communication Engineering  
 PG –: i) M.Tech Embedded Systems  
       ii) M.Tech VLSI – System Design
3. **Interdisciplinary courses and departments involved:**

**(A). As per JNTUH R15 and R13 regulations.**

S.No.	Course Name	Year and Semester	Course Offered By Other Department
1	English	I-Year	Humanities and Sciences
2	Mathematics	I-Year	Humanities and Sciences
3	Mathematical Methods	I-Year	Humanities and Sciences
4	Engineering Physics	I-Year	Humanities and Sciences
5	Engineering Chemistry	I-Year	Humanities and Sciences
6	Computer Programming	I-Year	CSE
7	Engineering Drawing	I-Year	Mechanical
8	Computer Programming Laboratory	I-Year	CSE
9	Engineering Physics / Engineering Chemistry Lab	I-Year	Humanities and Sciences
10	Engineering Language Communications Skills Lab	I-Year	Humanities and Sciences
11	IT Workshop /Engineering Workshop	I-Year	CSE
12	Mathematics -III	II-Year, I- Sem	Humanities and Sciences
13	Principles of Electrical Engineering	II-Year, II- Sem	Electrical and Electronics
14	Environmental Studies	II-Year, II- Sem	Humanities and Sciences
15	Electrical Technology Lab	II-Year, II- Sem	Electrical and Electronics
16	Control Systems Engineering	III-Year, I- Sem	Electrical and Electronics
17	Managerial Economics and Financial Analysis	III-Year, II- Sem	MBA

18	Human Values and Professional Ethics	III-Year, II- Sem	Humanities and Sciences
19	Management Science	IV-Year, I- Sem	MBA
20	Object Oriented Programming Through Java	IV-Year, I- Sem	CSE

**(B). As per Autonomous AR16 regulations:**

<b>S.No.</b>	<b>Course Name</b>	<b>Year and Semester</b>	<b>Course Offered By Other Department</b>
1	English-I	I-Year, I-Sem	Humanities and Sciences
2	Mathematics-I	I-Year, I-Sem	Humanities and Sciences
4	Engineering Physics	I-Year, I-Sem	Humanities and Sciences
5	Engineering Chemistry	I-Year, I-Sem	Humanities and Sciences
6	Computer Programming-I	I-Year, I-Sem	CSE
7	Engineering Drawing	I-Year, I-Sem	Mechanical
8	Computer Programming Laboratory-I	I-Year, I-Sem	CSE
9	Engineering Chemistry Lab	I-Year, I-Sem	Humanities and Sciences
10	English Lab-I	I-Year, I-Sem	Humanities and Sciences
11	Computer Programming-II	I-Year, II-Sem	Computer science
12	English-II	I-Year, II-Sem	Humanities and Sciences
13	Applied Physics	I-Year, II-Sem	Humanities and Sciences
14	Mathematics -II	I-Year, II-Sem	Humanities and Sciences
15	Mathematics -III	I-Year, II-Sem	Humanities and Sciences
16	English Lab-II	I-Year, II-Sem	Humanities and Sciences
17	Applied Physics lab	I-Year, II-Sem	Humanities and Sciences
18	Computational mathematics Lab	I-Year, II-Sem	Humanities and Sciences
19	Computer Programming Lab-II	I-Year, II-Sem	CSE
20	IT Workshop /Engineering Workshop	I-Year, II-Sem	CSE
21	Electrical Circuits and Electrical Technology	II-Year, I- Sem	Electrical and Electronics
22	Electrical Engineering Lab	II-Year, I- Sem	Electrical and Electronics
23	Environmental Studies	II-Year, II- Sem	Humanities and Sciences
24	Management Science	III-Year, I- Sem	MBA
25	Intellectual Property Rights	III-Year, I- Sem	MBA
26	Industrial Safety and Hazards	III-Year, I- Sem	Electrical and Electronics
27	Logical Reasoning	III-Year, I- Sem	Humanities and Sciences
28	Human Values and Professional Ethics	III-Year, I- Sem	Humanities and Sciences
29	Control Systems Engineering	III-Year, I- Sem	Electrical and Electronics
30	Computer Networks	III-Year, II- Sem	CSE

31	OOP Through Java	IV-Year, I-Sem	CSE
32	Supply Chain Mangement	IV-Year, I-Sem	MBA
33	Knowledge Mangement	IV-Year, I-Sem	MBA
34	Energy Conservation and Mangement	IV-Year, I-Sem	MBA
35	Foreign Language-French	IV-Year, I-Sem	Humanities and Sciences
36	Foreign Language-German	IV-Year, I-Sem	Humanities and Sciences
37	Foreign Language-Spanish	IV-Year, I-Sem	Humanities and Sciences
38	Banking and Insurance	IV-Year, I-Sem	MBA
39	Object Oriented Programming Through Java	IV-Year, I- Sem	CSE
40	Project and Financial Management	IV-Year, II-Sem	MBA
41	Entrepreneurship	IV-Year, II- Sem	MBA
42	Actuarial Science	IV-Year, II- Sem	Humanities and Sciences
43	Anthropology	IV-Year, II- Sem	Humanities and Sciences

**4. Annual/ semester/choice based credit system:**

**UG Programs:**

Academic Year	Program	Is under affiliation/ Autonomous	Academic Regulation	Annual/ Semester/ CBCS	Remarks
2013-14 and 2014-15 admitted Batches	B.Tech (ECE)	Affiliated	R13 of JNTUH	I-yr. Annual, II, III, IV Yr-Semester System	-
2015-16 admitted Batch	B.Tech (ECE)	Affiliated	R15 of JNTUH	I-yr. Annual, II, III, IV Yr-Semester System	Only Regulations changed; but the Syllabi remains same as that of R13
2016-17 admitted Batch	B.Tech (ECE)	Autonomous	AR16	Semester and Choice Based Credit System	Became UGC Autonomous w.e.f. academic year 2016-17

**PG Programs:**

Academic Year	Program	Is under affiliation/ Autonomous	Academic Regulation	Annual/ Semester/ CBCS	Remarks
2013-14 and 2014-15 admitted Batches	M.Tech (VLSI-SD) and M.Tech (ES)	Affiliated	R13 of JNTUH	Semester	-
2015-16 admitted Batch	M.Tech (VLSI-SD) and M.Tech (ES)	Affiliated	R15 of JNTUH	Semester and Choice Based Credit System	-
2016-17 admitted batch	M.Tech (VLSI-SD) and M.Tech (ES)	Autonomous	AR16	Semester and Choice Based Credit System	Became UGC Autonomous w.e.f. academic year 2016-17

**5. Participation of the department in the courses offered by other departments:****(a) As per AR16 (Autonomous)**

S.No	Program UG /PG	Department	Courses offered by the Department
1	B.Tech	Electrical and Electronics Engineering	1. Switching Theory and Logic Design 2. Microprocessors and Microcontrollers 3. Digital Signal Processing 4. Embedded Systems 5. Microprocessors and Microcontrollers Lab 6. Embedded Systems Lab
2		Computer Science and Engineering	1. Switching Theory and Logic Design

(b) As per R15 and R13 (JNTUH)

S.No	Program UG /PG	Department	Courses offered by the Department
1	B.Tech	Electrical and Electronics Engineering	1. Electronic Devices and Circuits 2. Electronic Devices and Circuits Lab 3. Electronic Circuits 4. Switching Theory and Logic Design (During 13-14 and 14-15) 5. IC Applications 6. Microprocessors and Interfacing Devices 7. Microprocessors and Interfacing Devices Lab 8. Digital Signal Processing 9. VLSI System Design (Elective)
2		Computer Science and Engineering	1. Electronic Devices and Circuits 2. Laboratory component of Electronics, part of "Electrical and Electronics Lab" 3. Embedded Systems
3		Mechanical Engineering	<u>Electronics part of the following two courses:</u> 1. Electrical and Electronics Engineering 2. Electrical and Electronics Engineering Lab
4		Civil Engineering	<u>Electronics part of the following course:</u> 1. Electrical & Electronics Engineering

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors).

Faculty Designation	Sanctioned	Filled
Professors	7	7
Associate Professors	14	14
Assistant Professors	43	43



**7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr. R. Suryanarayana Raju	Ph.D	Professor & Dean - R & D	Microwave Engineering	36	0
2	Dr Gunturu Vijaya	Ph.D	Professor & HOD	Electronic Instrumentation , Medical Informatics	31	2
3	Dr. C. Venkata Narasimhulu	Ph.D	Professor	Digital Image Processing	21	6
4	Dr. S. Suryanarayana	Ph.D	Professor	Image Processing	24	0
5	Dr. G. Asa Jyothi	Ph.D	Professor	Microwave Antenna	25	1
6	K Somasekhara Rao	M.Tech.	Professor & Dean-Student Affairs	AE	40	NA
7	O. V. P.R. Siva Kumar	ME	Professor	ECE	23	NA
8	Dr. V. Satya Srinivas	Ph.D	Assoc. Prof	GPS and wireless Positioning technologies	9.9	0
9	P.Sudhakar	M.Tech.	Assoc. Prof	DE & CS	15	NA
10	S.Jyothirmayee	M.Tech.	Assoc. Prof.	ES	13	NA
11	A. Shanker	M.Tech.	Assoc. Prof.	SSP	13	NA
12	D. Venkata Rami Reddy	M.E	Assoc. Prof.	DS	17.6	NA
13	B. Sreelatha	M.Tech.	Assoc. Prof.	VLSI-SD	11	NA
14	J. Mrudula	M.E	Assoc. Prof.	Elect.	12	NA
15	U.Appalaraju	M.Tech.	Assoc. Prof.	DSCE	10.6	NA
16	R.Odaiah	M.E	Assoc.	SSP	12	NA

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
			Prof.			
17	G.Sreelakshmi	M.E	Assoc. Prof.	DS	15.1	NA
18	M.Laxmi	M.Tech.	Assoc. Prof.	ECE	9	NA
19	S.Krishna Priya	M.E	Assoc. Prof.	CS	10.5	NA
20	S. Vasu Krishna	M.Tech.	Assoc. Prof.	DS & CE	19	NA
21	M. Sowjanya	M.Tech.	Assoc. Prof.	DSCE	11	NA
22	M.Muthamma	M.Tech.	Asst. Prof.	ES & VLSI-SD	7.5	NA
23	M.Venkata Sireesha	M.Tech.	Asst. Prof.	ES	8	NA
24	M. Uma Rani	M.Tech.	Asst Prof.	DECS	13	NA
25	V.Venkata Lakshmi	M.Tech.	Asst. Prof.	DECS	5	NA
26	B.Mamatha	M.Tech.	Asst. Prof.	ES	7	NA
27	D. Sony	M.Tech.	Asst. Prof	VLSI-SD	8	NA
28	M.Chathar Singh	M.Tech.	Asst. Prof.	VLSI-SD	4	NA
29	S. Surya Prakash Reddy	M.Tech.	Asst. Prof.	ES	2	NA
30	M.Krishna Chaitanya	M.Tech.	Asst. Prof.	VLSI & ES	8.5	NA
31	R. Chiranjeevi	M.Tech.	Asst. Prof.	ES	2.2	NA
32	G. Poshamalla	M.Tech.	Asst. Prof.	ES & VLSI-SD	2	NA
33	B. Jugal Kishore	M.Tech.	Asst. Prof.	VLSI	5.2	NA
34	Y. Naga Lakshmi	M.Tech.	Asst. Prof.	ES	9	NA
35	Md. Touseef Sumer	M.Tech.	Asst. Prof.	SSP	4	NA
36	M.Krishna	M.Tech.	Asst. Prof.	VLSI-SD	5	NA
37	L. Kavya	M.Tech.	Asst. Prof.	DSCE	3	NA
38	Y. Siva Rama Krishna	M.Tech.	Asst. Prof.	WBC	5	NA
39	A. Subramanyam	M.Tech.	Asst. Prof.	VLSI & ES	7	NA
40	K. Victor	M.Tech.	Asst. Prof.	DC	6.5	NA
41	Ch. Anusha	M.Tech.	Asst. Prof.	VLSI & ES	1	NA
42	S. Vijaya Lakshmi	M.Tech.	Asst. Prof.	WMC	11	NA
43	J. Bharathi	M.Tech.	Asst. Prof.	S&SP	4	NA
44	B. Ramu	M.Tech.	Asst. Prof.	SSP	4	NA
45	Thalla Narasimha Swetha	M.Tech.	Asst. Prof.	ES	1	NA
46	S. Shravani	M.Tech.	Asst. Prof.	ES	1	NA
47	P. Chandra Prakash Reddy	M.Tech.	Asst. Prof.	ES	2.5	NA

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
48	Ch Sandeep	M.Tech.	Asst. Prof.	VLSI & ESE	2	NA
49	G. Venkat Rao	M.Tech.	Asst. Prof.	VLSI-SD	2	NA
50	B.Suneetha	M.Tech.	Asst. Prof.	DC	3	NA
51	S. Yagnasree	M.Tech.	Asst. Prof.	ES	9.5	NA
52	V. Sirisha	M.Tech.	Asst. Prof.	ES & VLSI	1.6	NA
53	A. Sowjanya	M.Tech.	Asst. Prof.	VLSI-SD	1	NA
54	K. Sravanthi	M.Tech.	Asst. Prof.	ECE	2	NA
55	K. Snigdha Kamala	M.Tech.	Asst. Prof.	ES	0	NA
56	Ch. Suresh Kumar	M.Tech.	Asst. Prof.	CS	7	NA
57	Pavani C	M.Tech.	Asst. Prof.	SSP	9	NA
58	R VNR Suneel Krishna	M.Tech.	Asst. Prof.	ES	2.5	NA
59	K. Rama Krishna	M.Tech.	Asst. Prof.	DC	1	NA
60	V. Indupriya	M.Tech.	asst. Prof.	SSP	7	NA
61	A R L padmaja	M.Tech.	Asst. Prof.	ES	31	NA
62	M. Anand	M.Tech.	Asst. Prof.	ES	2	NA
63	V. Savithri Padmapriya	M.Tech.	Asst. Prof.	ECE	0	NA
64	T. KoteswaraRao	M.Tech.	Asst. Prof.	C&C	0	NA

**8. Percentage of classes taken by temporary faculty – programme-wise information :**

-Nil-

**9. Programme-wise Student-Teacher Ratio**

Program/Course	Total faculty members	Students	Student: Faculty
B. Tech	55	720	13:1
M. Tech	9	96	10.6:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

S.No	Designation	Sanctioned	Filled
1	Academic Support Staff	5	5
2	Administrative Staff	3	3

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

S.No	Funding Agency	Title	Grants Sanctioned	No. of Faculty Involved	Duration
1	DST, Govt. of India (National)	Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath	Rs. 21.5 Lakh	1	3 years (Started in September 2015)

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc. total grants received.

S.No	Funding Agency	Title	Co-ordinator Name	Grants Received	Duration
1	DST, Govt of India	Design and Development of Multi-Wavelength LASER RADAR ( LIDAR) for Measurement of Aerosols and Clouds in the Troposphere and Lower Stratosphere	Dr. M Satyanarayana and Mr. P Sudhakar	Rs. 34.58 Lakh	4 Years (Nov 2010 to July 2014)
2	DST, Govt of India	“Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath”	V. Satya Srinivas	Rs.17 Lakh (Rs. 4.5 Lakh yet to be released)	3 years

13. Research facility / centre with

- state recognition: **NIL**
- national recognition :
  - **Recognized as R&D Center by DSIR (SIRO), Govt. of India (F.No. 11/532/2011-TU-V).**
- international recognition: **NIL**

**14. Publications:**

- \* **Number of papers published in peer reviewed journals (national / international)**
- \* **Monographs**
- \* **Chapter(s) in Books**
- \* **Editing Books**
- \* **Books with ISBN numbers with details of publishers**
- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**
- \* **Citation Index – range / average**
- \* **SNIP**
- \* **SJR**
- \* **Impact factor – range / average**
- \* **h-index**

S. No.	Publication Type: Peer reviewed Journals (national/ international)	Total Number			
		2016-17	2015-16	2014-15	2013-14
1	International Journals	12	9	35	16
2	International conferences	6	13	4	4
3	National Journals	1	-	-	-
4	National Conferences	1	1	36	9

For details on specific Research Publications published/ presented in Journals and/or Conferences please refer to ANNEXURE-ECE-A (Table -1: for International Journals, Table-2: for International Conferences, Table-3: for National Journals and Table-4: for National Conferences).

**15. Details of patents and income generated: 3 patents as below**

- i. AK Singh, RS Raju, and MS Bisht, “Active sintered tungsten wire cathode”, CSIR patent No. 90DEL2014, filed in January 2014.
- ii. RS Raju, Krishan Lal, Javed Bhatti, and Banshi Ram, “Fabrication of grids using EDM process”, CSIR patent No. 3989DEL2015, dated 08-12-2015.
- iii. SK Shukla, RK Barik, and RS Raju, “Synthesis of Re and Sc doped impregnant mixed tungsten nano-powder for application of cathode in THz-region”, Indian Patent 201611005494, Feb 17, 2016.

**Income generated: Nil**

16. **Areas of consultancy and income generated:** - NIL, as of now.

However, as on date, efforts are underway by Dean, Research and Development. The efforts are as follows:.

- i. From II sem. AY 16-17, Dr. Raju, Professor, ECE, as part of a Defense classified consultancy exercise is visiting 1-day per week to VEM Technologies, Pvt. Ltd., Bachupally, Hyderabad with respect to design and development of Microwave component for use in Defense Purposes. Income generated out of this exercise is being estimated.
- ii. To come up soon with a consultancy from Microwave Tube Research and Development Centre, a DRDO Lab, Bangalore
- iii. To come up soon with another consultancy from VEM Technologies in an inter-disciplinary area: Thermal and Structural Analysis of Electron Emitter for Defense Purposes.

17. **Faculty recharging strategies**

- GCET regularly invites faculty experts of repute from institutes of higher learning such as: NIT Warangal, IIITH, Osmania University, JNTUH, JNTUK and so on to deliver Expert lectures on a various topics to strengthen the faculty members' instructional skills.
- The faculty are encouraged to conduct and attend FDP's, Workshops, Refreshment courses to update new and/or emerging technologies in addition to those for strengthening teaching skills in the current subjects being taught. The institute offers necessary grants and infrastructure for the above. However, for the conduct of an FDP Institute received grants, as indicated below, from AICTE, New Delhi

<b>Funding Agency</b>	<b>Title</b>	<b>Grants Received</b>	<b>Duration</b>
AICTE	FDP on "Advanced VLSI System Design"	Rs. 5 Lakh	2 weeks

- The period of absence of the faculty member at GCET for attending such FDPs is being treated as "ON DUTY"

- Also GCET, on a case to case basis, bears the registration fee for attending the FDPs/workshops/training sessions and so on.

Please refer the table in **ANNEXURE-ECE-B** which provides a listing of the faculty who attended such FDP's, Workshops, training sessions or refresher courses for the last three academic years i.e., AY 2016-17, AY2015-16 and AY 2014-15.

- To promote and inculcate a research environment in the department, Eminent professionals are recruited in various areas: Microwave Engineering, Electronic instrumentation and medical informatics, Digital Image Processing, Microwave Antennas, GPS and wireless Positioning technologies etc.,...
- The Department and the GCET, administration encourages
  - e. Its faculty to register and pursue Ph.D. Degree. A list of faculty pursuing Ph.D. is as in the table given below:

S. No	Faculty Name	Designation	Area of Specialization	University and Year of Registration	Expected year of completion
1	D Venkata Rami Reddy	Associate Professor	Wireless Communications	ANU 2012	2019
2	P Sudhakar	Associate Professor	Radar & LIDAR Signal Processing	JNTUH 2012	2017
3	J Mrudula	Associate Professor	Digital Communication	JNTUH 2011	2018
4	B SreeLatha	Associate Professor	Fault Diagnosis	JNTUH 2012	2019
5	S.Vasu krishna	Associate Professor	Low Power VLSI Design	JNTUH 2008	2018
6	G SreeLakshmi	Associate Professor	Digital VLSI	JNTUH 2011	2018
7	U Appala Raju	Associate Professor	Signal Processing and Communications	JNTUK 2014	2019
8	M Venkata Sirisha	Assistant Professor	Image Processing & VLSI Design	JNTUK 2015	2020

- f. In-house research is highly encouraged, a full-fledged establishment of R&D Laboratory – which is underway and will be a reality by end of May, 2017.

- g. Its faculty to work on topics related/in extension to the already completed Research Projects.
- h. a formal Faculty mentee – Faculty mentor system to strengthen and improve the teaching-learning pedagogy for both the UG and PG students

18. **Student projects:** During the AY 13-14 to AY16-17,

- The percentage of students who have done in-house projects including inter-departmental: **30%**
- The percentage of students doing projects in collaboration with industries / institutes: **70%**

19. **Awards / recognitions received at the national and international level by**

○ **Faculty**

- i. Sudhakar, P. Kalavathi, D. Ramakrishna Rao and M Satyanarayana , “Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad, India” ISPRS TC VIII International Symposium on Operational Remote Sensing Applications: Opportunities, Progress and Challenges, Hyderabad, December 9-12, 2014. [This presentation has been selected as the **3rd best** in the Symposium]
- ii. Mr. G Vijaya, Mr. G Vinod Kumar and Mr. H K Varma, “Artificial Neural Network Based Wave Complex Detection in Electrocardiograms”, received **KHOSLA Research Commendation Certificate** from **University of Roorkee** in 1998.
- iii. Mr. G Vijaya, Mr. G Vinod Kumar and Mr. H K Varma, “Training Neural Network for Wave Complex Detection in Electrocardiograms”, at National Systems Conference (NSC-97), Research Center Imarat (RCI), DRDO. Has been adjudged **the best paper of NSC-97**, Session IIB on Communication and Signal Processing.
- iv. Dr. R S Raju received award from CEERI Foundation day award for successful development of S-band TWT project in September 1993
- v. Dr. R S Raju received **Emeritus Scientist** position award after retirement at the age of 62 years



vi. Dr. R S Raju received **JC Bose Memorial Award for Best Engineering paper in 1992.**

vii. Dr. R S Raju received Commonwealth Scholarship award in '82 for pursuing Ph.D. at University of Cambridge, U.K.

o **Doctoral / post doctoral fellows: NIL**

o **Students:**

(C) Merit Scholarship:

❖ The scholarship is provided to the topper in branch for all years of students.

❖ The following are details of ECE students who received Shri Raja Reddy Memorial Scholarship (from M/s. Teja Educational Society):

❖ **2014-15**

S. No.	Year	Roll No	Name Of The Student	%	Rank	Prize Money (Rs)
1	I YEAR	14R11A04M1	N.Surya Priyanka	79.8	First	5000
		14R11A0470	Ch Sai Bhargavi	79.7	Second	4000
		14R11A0404	Ankati Navya	78	Third	3000
		14R11A04B9	Anamali Reethika	77.4	Fourth	2000
2	II YEAR	13R11A0413	Dakuri Sushma	82.53	First	5000
		13R11A0424	Kornepati Aishwarya	82.4	Second	4000
		13R11A0491	S Ashwith Reddy		Third	3000
		14R11A0407	Bheem Reddy Vineeth Reddy	77.4	Fourth	2000
3	III YEAR	12R11A04D9	I Uma Maheshwari	82.72	First	5000
		12R11A04H0	Surapaneni Sai Teja	78.02	Second	4000
		12R11A0413	Chityala Sai Roopa	75.72	Third	3000
4	IV YEAR	11R11A0426	K Ramani	81.31	First	5000
		11R11A04A5	P Anantha Laxmi Dharani	80.82	Second	4000
		11R11A0486	K Shravani	80.62	Third	3000

❖ **2013-14**

S. No.	Year	Roll No	Name Of The Student	%	Rank	Prize Money (Rs.)
1	I YEAR	13R11A04D9	Priyanka Solanki	85.3	First	3000
		13R11A04E0	P Niharika	82.6	Second	3000
		13R11A0407	B Vineeth Reddy	80.1	Third	3000
		13R11A0413	D Shushma	80	Fourth	3000
2	II YEAR	12R11A04H0	Surapaneni Sai Teja	86.83	First	3000
		12R11A04D9	I Uma Maheshwari	86.5	Second	3000
		12R11A04C6	Arugonda Sahithya	81.28	Third	3000
3	III	11R11A0426	K Ramini	84.84	First	3000

	YEAR	11R11A04B8	V Soumya	82.64	Second	3000
4	IV YEAR	10R11A0413	Dasari Dinesh Reddy	88.22	First	7000
		10R11A1282	Gopu Supriya	81.6	Second	3000

❖ 2012-13

S.No.	Year	Roll No	Name Of The Student	%	Rank	Prize Money(Rs.)
1	I YEAR	12R11A04H0	Surapaneni Sai Teja	88.6	First	7000
		12R11A04D9	I Uma Maheshwari	87	Second	3000
2	II YEAR	11R11A0413	Chintham Muni Shree Anjusha	86	First	7000
		11R11A0426	K Ramani	84	Second	3000
3	III YEAR	10R11A0413	Dasari Dinesh Reddy	78.96	First	7000
		10R11A04B5	Sowmya Dixit	76.05	Second	3000
4	IV YEAR	09R11A04B7	Vinnakota Sarath Sankar	83.86	First	7000
		09R11A0484	Gottiparthi Asritha	83.16	Second	3000

**(D) Awards received by the students for the participation in the events organized by Other Universities/ Colleges/ Institutes:**

S.No.	Event	No. of Students Achieved Prizes		
		Academic Year: 2016-17	Academic Year: 2015-16	Academic Year: 2014-15
1	Robotics/ Coding	-	6	2
2	ISB/ Literary fest/ Quiz/ E-Jam	-	27	16
3	Paper presentation	2	5	7
4	Projects presentation	-	2	5
5	Poster presentation	2	1	3
6	Circuit making/ Apps/ MUN	-	13	5
7	Cultural Events	-	-	4
<b>Total</b>		<b>4</b>	<b>54</b>	<b>42</b>

Please go through ANNEXURE-ECE-C (Table-1: For Academic Year 2016-17, Table-2: For Academic Year 2015-16, Table-3: For Academic Year 2014-15) for more details.

**20. Seminars/ Conferences/Workshops organized and the source of funding (national i. international) with details of outstanding participants, if any.**

**Kindly find below the details of Seminars/ Conferences/Workshops organized and the source of funding as under:**

S.No.	Seminars/ Conferences/Workshops organized	Dates conducted on	Funding Agency
<b>Conferences</b>			
1.	National Conference on Latest Trends in Signal Processing, VLSI and Embedded Systems	June 20 – 21, 2014	GCET
<b>Workshops</b>			
8.	CERTIFICATION COURSE ON Embedded System Design with Hands-on Experience	June 12 - 30, 2015	GCET
9.	Tech Expo 16 for Final Year Students	April 04, 2016	GCET
10.	LabVIEW Workshop	February 25 – 26, 2016	GCET
11.	Data Networking-Routing and Switching	February 22 – 24, 2016	GCET
12.	TECHEXPO-15	March 31, 2015	GCET
13.	Applications of DSP/DIP using lab view.	September 24- 25, 2014	GCET
14.	One day project exhibition ‘TECHEXPO14’	March 1, 2014	GCET
15.	Five Day Workshop on “VLSI system design & programming”	February 18 – 22, 2014	GCET
16.	Two Day Workshop on “PCB Design and Fabrication”	December 27 – 28, 2013	GCET
<b>Seminars ( Guest Lectures)</b>			
23.	Network Transformation & Road to 5 G	June 23, 2016	GCET
24.	Electro Magnetic Interference and Compatibility	July 16, 2016	GCET
25.	Virtual Reality	September 02, 2016	GCET
26.	Being a Smart Engineer	September 02, 2016	GCET
27.	IEEE and Professionalism	February 17, 2016	GCET
28.	Data Base Management Systems & Programming Concepts	December 18, 2015	GCET

29.	Awareness Program on Remote Sensing	March 15, 2016	GCET
30.	Distinguished Lecture on Application of Microwave	October 27, 2014	GCET
31.	Applications of Signal Processing and Speech Processing.	September 11, 2014	GCET
32.	Antennas and Wave Propagation	July 15, 2014	GCET
33.	<i>Pattern recognition application in digital image processing</i>	February 26, 2014	GCET
34.	<i>Recent Trends in Operating System</i>	February 04, 2014	GCET
35.	ARDUINO Environment for Embedded System	January 24, 2014	GCET
36.	Introduction to Digital Signal Processing14	January 06, 2014	GCET
37.	Focus on Initiating and enhancing Eco friendly Technology in Electronics Engineering	December 21, 2013	GCET
38.	Nano electronics & low power electronics	December 19, 2013	GCET
39.	Motivating Students in reaching Their Goals	September 17, 2013	GCET
40.	<i>Image Processing and Its Applications</i>	July 25, 2013	GCET

21. **Student profile program (course)-wise:**

Profile of the students in various programs as in Q. No.2 is as given below. It may kindly be noted that the admissions are made based on the EAMCET ranks and the allotments are made by the Convener, EAMCET until the quota of seats are filled. Hence, in the table below, instead of **the number of received applications**, stated is **the Sanctioned Intake** each UG or PG batch Year-wise

**C) B.Tech ECE (UG)**

Batch Admitted	Sanctioned Intake	Students Joined/ Admitted		Pass Percentage	
		Male	Female	Male	Female
2012-16	180	105	75	88 %	96 %
2011-15	120	70	50	55.71 %	100 %
2010-14	120	79	50	82.27 %	90 %
2009-13	120	74	45	92 %	93 %

**D) M.Tech – VLSI System Design (PG)**

Batch Admitted	Sanctioned Intake	Students Joined/ Admitted		Pass Percentage	
		Male	Female	Male	Female

2014-16	18	6	9	0 %	22.22 %
2013-15	18	12	6	25 %	66.67 %
2012-14	18	5	9	25 %	100 %

**E) M.Tech – Embedded Systems (PG)**

Batch Admitted	Sanctioned Intake	Students Joined/ Admitted		Pass Percentage	
		Male	Female	Male	Female
2014-16	30	10	7	0 %	57.14 %
2013-15	30	17	10	35.29 %	60 %
2012-14	18	10	7	100 %	85.71 %
2011-12	18	11	5	81.81 % (9)	60 % (3)

**22. Diversity of Students**

**A). B.Tech ECE (UG)**

Batch Admitted	Name of the Program	% students from the college	% students from the same state (Telangana)	% students from the other state (including AP)	% of students from other Countries
2016-20	UG	NA	100	0	0
2015-19		NA	100	0	0
2014-18		NA	100	0	0
2013-17		NA	92.7 %	7.3 %	0

**B). M.Tech – VLSI System Design (PG)**

Batch Admitted	Name of the Program	% students from the college	% students from the same state (Telangana)	% students from the other state (including AP)	% of students from other Countries
2016-18	PG	0 %	100 %	0 %	0 %
2015-17		0 %	100 %	0 %	0 %
2014-16		0 %	100 %	0 %	0 %
2013-15		0 %	100 %	0 %	0 %

**C). M.Tech – Embedded Systems (PG)**

<b>Batch Admitted</b>	<b>Name of the Program</b>	<b>% students from the college</b>	<b>% students from the same state (Telangana)</b>	<b>% students from the other state (including AP)</b>	<b>% of students from other Countries</b>
2016-18	PG	0 %	100 %	0 %	0 %
2015-17		0 %	100 %	0 %	0 %
2014-16		0 %	100 %	0 %	0 %
2013-15		0 %	100 %	0 %	0 %

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

<b>Name of the Competitive Exam</b>	<b>No. of Students Qualified</b>			
	<b>2015-16</b>	<b>2014-15</b>	<b>2013-14</b>	<b>2012-13</b>
<b>GATE/ PGCET</b>	13	10	3	7
<b>GRE / CAT/ TOEFL / GMAT</b>	22	14	7	17
<b>Total</b>	35	24	10	24

**24. Student progression**

<b>Student Progression</b>	<b>Percentage against enrolled</b>				
	<b>2016-17</b>	<b>2015-16</b>	<b>2014-15</b>	<b>2013-14</b>	<b>2012-13</b>
UG to PG	-	19.4 %	13.3 %	8.3 %	20 %
PG to M.Phil	NA	NA	NA	NA	NA
Employed					
• Campus Selection	53.75 %	57.77 %	41.67 %	34.16 %	78.33 %
• Other than Campus Recruitment	-	-	-	1.6 %	-
Entrepreneurship/ Self-employment	-	-	-	-	-

**25. Diversity of staff**

<b>Percentage of faculty who are graduates (PG)</b>	
of the same parent university	71.85% (46 out of 64)
from other universities within the State	9.37% (6 out of 64)
from other universities from other States	18.75 (12 out of 64)

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:**

Three faculty received Ph.D. and details are as shown below (chronologically reverse order):

A) Mr. M C Raju Received Ph.D. in November 2016.

B) Mr. S. Suryanarayana Ph.D. in October 2015.

C) Mr. C.V. Narasimhulu Ph.D. in May, 2013

**27. Present details about infrastructural facilities****a. Library**

<b>No. of Titles</b>	<b>No. of Volumes</b>	<b>No. of Computers with printer &amp; internet facility</b>	<b>Library Plinth Area</b>
359	407	1	15.6sqm

**b. Internet facilities for staff and students**

Each faculty room is equipped with computers and internet connections. All systems in Labs, Department and Department Library are provided with internet facility.

Internet Service Providers:

(i). Vainavi Communication (P) Ltd - (48 Mbps)

(ii). Excel Media (P) Ltd - (16 Mbps)

**c. Total number of class rooms : 16 (UG) +2 (PG)****d. Class rooms with ICT facility**

An exclusive fully equipped E-class room is available to conduct ICT lectures. Apart from that, any class room can be provided with ICT facility with the exclusive LCD

projectors and Laptops available in the department. Besides, all the Seminar Halls are equipped with LCD projectors.

**e. Students laboratories:**

It may kindly be noted that in view of Autonomous status achieved there are plans to make changes as per (i) the new curriculum and (ii) directions of the JNTUH & AICTE. However, for the assessment years AY 2013 -14 to AY 16-17, following are the details of various laboratories.

S.No.	Program	Name of the Lab	Block	Room No	Area
1	UG	EDC / PDC Lab	I	105	108 Sq.Mtrs
2	UG	MP & MC Lab	I	102	66 Sq.Mtrs
3	UG	Simulation Lab-1	I	104	66 Sq.Mtrs
4	UG	IC Applications Lab	I	114	105 Sq.Mtrs
5	UG	AC Lab	I	117	80 Sq.Mtrs
6	UG	EDC Lab	I	214	104 Sq.Mtrs
7	UG	MW & DC Lab	I	315	105 Sq.Mtrs
8	UG	DSP Lab	II	R207	66 Sq.Mtrs
9	UG	DSP Lab	II	R208	66 Sq.Mtrs
10	UG	ECAD & VLSI	II	R209	66 Sq.Mtrs
11	UG	ECAD & VLSI	II	R210	66 Sq.Mtrs
12	PG	Signal Processing & Advanced Communications Lab	I	317	66 Sq.Mtrs
13	PG	VLSI-I, VLSI-II	I	318	66 Sq.Mtrs
14	PG	EMBEDDED SYSTEMS	I	101	66 Sq Mtrs
15	PG	R&D	I	316	66 Sq.Mtrs

**f. Research laboratories**

Previous R&D lab of 66 Sq. meters is now upgraded to 120 Sq. meters.

**28. Number of students of the department getting financial assistance from College.**

- Geethanjali College of Engineering and Technology is providing Scholarships to Students for their proven academic excellence.
- Raja Reddy Memorial Award for academic excellence is given to the topper in each branch for all years of students.





Name of Agency	No. of Students Received Financial Assistance			
	2016-17	2015-16	2014-15	2013-14
Management of GCET (Sponsored by Teja Educational Society)	-	14	11	8

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

No new programs have been initiated in the last four academic years.

**30. Does the department obtain feedback from**

- a. **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**
- b. **Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**
- c. **Alumni and employers on the programmes and what is the response of the department to the same?**

-Yes. Following may be noted with respect to the above three aspects a, b and c:

- Department shares the feedback received from students, peers and seniors regularly with the concerned faculty on various aspects such as: Punctuality, Regularity, Class Control, Students' ability to understand topics covered, weekly coverage of the syllabus by the faculty, Marks secured by students in each subject, Course End Survey as how the faculty handled the course and how far the subjects taught met the course outcomes and so on.
- In addition to the above every faculty is attached to a senior faculty to enable him/ her learn to enhance teaching-learning techniques of a subject.
- If the measured course outcomes average is found unsatisfactory, suitable steps are taken to enhance the course outcome average measurements of the subsequent semester by focusing more on such subjects who contribute to poor / unsatisfactory performance via monitoring by HoD.
- Upon providing enough opportunity for the faculty to improve via faculty mentoring process, it is ensured that the faculty performance is improved year after year. In spite

of all the above efforts and in the worst case event if non improvement of the faculty's performance, the faculty concerned will be asked to sever his services with the institute.

- Based on the feedback received from the Alumni on the course curriculum, as and when needed JNTUH is informed of the same to make relevant changes, if it deems fit. From 2016-17 onwards, in view of UGC Autonomy, the department proposes changes to the curriculum appropriately based on Alumni feedback.

**31. List the distinguished alumni of the department (maximum 10)**

S. No.	Roll No.	Name	Industry of repute
1	12R11A0454	R.RANI	GOOGLE
2	10R11AO443	R.MOUNIKA	TECHMAHINDRA
3	12R11A0424	G.S.N.KARTHIK	HCL TECHNOLOGIES
4	12R11A0449	M.SOWMYA	ACCENTURE
6	12R11A0474	MAHITHA.S	COGNIZANT
7	12R11A0442	K.RAMA KRISHNA REDDY	Mphasis
8	12R11A0446	K.SAMATHA	ACCENTURE
9	12R11A0453	M SIRISHA	COGNIZANT
10	12R11A0457	SHIVAM	OSMOSYS

**32. Give details of student enrichment programmes.**

Department conducted student enrichment programmes (special lectures / workshops / seminars) with external experts as summarized below:

S.No.	Event Name	Number in an Academic Year			
		2016-17	2015-16	2014-15	2013-14
1	Seminars / Guest Lectures	4	3	3	8
2	Workshops	-	5	1	3

Please refer ANNEXURE-ECE-D for more details.

**33. List the teaching methods adopted by the faculty for different programmes.**

- Visual teaching methods namely, chalk and board, video lectures of reputed institutes, NPTEL lectures, YouTube videos, etc.
- Students are given Assignments, encouraged to participate in Group Discussions for better understanding of the course topics.
- Tutorial classes are conducted in all subjects with a view to have a clear understanding of the complex concepts.
- Industrial and site visits are arranged regularly for students to expose them to latest technology.
- Department conducts course specific guest lectures by experts.
- Students are provided with exclusive internet facility in digital Library to upgrade their knowledge.
- The Institution offers digital Library and departmental libraries which can be made use of by students to enhance their knowledge.
- Students are encouraged to conduct and participate in technical events involving design, analysis & modeling of Electronic Systems.
- Employability skills, soft skills, etc. are provided.
- Institute periodically conducts technical events like BHASWARA, project exhibition, etc. for the students to familiarize with the contents beyond curriculum.
- The students are encouraged to become members of student chapters of IEEE, IETE, ISTE and students get exposed to advanced technologies through seminars workshops etc., conducted by them.
- Students are motivated to give seminars on contemporary technical topics.
- Students do mini projects and major projects making use of the college infrastructure and also are encouraged to take-up internship in reputed organizations.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Program Objectives, often referred to as Program Educational Objectives (PEOs) are communicated to the students along with the learning outcomes. To ensure the attainment of PEOs and learning outcomes, the following measures are taken:

From the objectives articulated, using Bloom's Taxonomy,

3. Faculty specify a clear set of outcomes that all students shall achieve.
4. Faculty select, from the set of outcomes, those that should be given top priority. These are the learning outcomes that will be of most value to the students and are taught in a way that the students can comprehend with ease.
8. Faculty provide examples to students of what they will be able to do when they have achieved those outcomes.
9. Few additional extension outcomes provide some students with a much deeper understanding of the issues being studied.
10. Faculty teach detailed prerequisites that students must master before attempting to achieve each new outcome and ensure the same through several assessment methods.
11. Faculty plan and use several different teaching strategies that help students achieve the desired learning outcomes.
12. A variety of direct assessment methods comprising tests, assignments, homework problems, tutorial sessions, guided practice/laboratory sessions, etc provide both the teacher and the students with feedback on their progress towards the achievement of learning outcomes.

### **Direct Assessment Methods**

- Course-related assessment
  - ✓ Assignments / Projects
  - ✓ Case Studies
  - ✓ Classroom Assessment including Tutorials
  - ✓ Quizzes
  - ✓ Probing during and after lecture
  - ✓ Course-embedded Questions and Assignments
  - ✓ Essays
  - ✓ Theses, research and publications
- Presentations/Seminars, if any
- Standardized assessments (Internal Tests, End Exams)
- Other
  - ✓ Transcript analysis
  - ✓ Placement record of graduates

In addition, indirect assessment methods are also used, which are listed below.

### **Indirect Assessment Methods**

- Institutional and Program Surveys
  - Alumni Surveys
  - Employer Surveys
  - Graduating Seniors and Graduate Surveys
  - Student Satisfaction Surveys
- Other
  - Focus groups
  - Interviews (faculty members, graduating students, alumni)

These outcome based course assessment and evaluation tools are a combination of the following:

13. Tutorials
14. Homework assignments
15. Quizzes
16. Exams (Internal Assessment tests, University End semester exams)
17. Class attendance and participation in class
18. Laboratory experimentation and laboratory written reports
19. Design Project, its written report and oral presentation
20. Computer simulation using C, MATLAB, ANSYS, etc
21. Prototype development, if any
22. Major project and teamwork
23. Course assessment/end survey (by students)
24. Instructor's teaching performance evaluation (by students).

### **Parameters for assessment of Project Work**

Students' design project performance should be evaluated based on written reports and oral presentations. The key elements that the student had to demonstrate in their design project include, but not limited to the following:

- i. Were the objectives and purpose clearly stated?
- j. Was the problem well defined?
- k. Was the project properly justified (Why?) (Scientific, economic, value addition?)

- l. Was the design, analysis and modelling understood?
- m. Was the approach taken reached as part of a selection process?
- n. Are the results technically and economically feasible?
- o. Effective conclusions / recommendations?
- p. Quality of the work or design.
  - v. Was the content well organized?
  - vi. Were there appropriate use of graphs, charts, board, audio-video, etc.
  - vii. Was the message clearly delivered?
  - viii. Was Teamwork evident in the design, implementation and presentation?

After having completed the exercise of assessment and evaluation of various outcomes, we need to map the following to check whether we have achieved our objective of providing outcome based education and to what extent.

- COs to POs and PSOs
- POs and PSOs to PEOs

Over and above the mapping of the above, we also obtain feedback from all stake holders on a periodical basis and we verify the attainment of the various outcomes.

- The level of understanding of the students is assessed by evaluating the assignments, internal examinations.
- Faculty use various other resources and teaching techniques which are heavily based on multimedia and assist students who do not master the required outcomes as quickly as other students.
- Mapping between the questions given in various assessment methods and course outcomes, course outcomes to program outcomes, program outcomes to PEOs ensures the desired attainment level of the students.
- Continuous progress of students is closely observed by mentor, and proper suggestions are given to the students based on their performance in class work and exams, for meeting the learning outcomes.
- Course coordinator ensures course requirements are met, program coordinator ensures the program requirements are met, which finally ensure that the learning outcomes are continuously monitored and finally the programme objectives are met.
- At the end of every semester, for each course, Course End Survey is carried out regularly

with special emphasis on course outcomes. The same is being analyzed from time to time and necessary steps are being taken to meet the learning outcomes, program outcomes, and program objectives in the subsequent semesters.

- Every year various instruments are used to monitor to ensure whether the objectives of the program are met. Few of the instruments are as listed below:
  - f. student surveys
  - g. informal interactions with students
  - h. assessment of coursework relevancy,
  - i. interaction with alumni and industry,
  - j. collaboration with various professional / engineering organizations.

Based on this evaluation, strengths, weaknesses and opportunities in the program are identified. The implementation of the correction process is closely monitored by the Program Assessment Committee, then by the departmental assessment committee, which finally offers its recommendations to the decision making bodies such as the Board of Studies of the department and the College Academic Council.

### **35. Highlight the participation of students and faculty in extension activities.**

The extension activities are majorly been conducted by the NSS Unit and NEN Unit of the institution. Faculty and students of the institute actively take part in the events organized by the units.

#### **(c) NSS Unit:**

During the assessment period i.e., from 2013-14 to 2016-17, from the ECE Departments on an average there are 20% of ECE Students per year participate in the following NSS Unit Activities of the GCET Hyd.:

- Swachh Bharat,
- Blood Donation camp
- Health Camp including Eye-Check up camp and so on.

For details of participation of ECE Department in NSS activities held by NSS Unit kindly refer **ANNEXURE-ECE-E**

➤ Following faculty from ECE Department are NSS Faculty coordinators



S.NO	Name of the Faculty	Role of Faculty	Academic Year
1	Prof. K. Somasekhara Rao	NSS Head	2015-16, 2016-17
2	Mrs. J. Bharathi	Member	2016-17
3	Mr. M. Krishna	Member	2016-17
4	Mr. U. Appala Raju	Member	2015-16

(d) **NEN Unit:**

During the assessment period i.e., from 2013-14 to 2016-17, from the ECE Departments on an average there are 30% of ECE Students per year participate in the following NEN Unit Activities of the GCET.

- Induction Program
- Team Leaders Recruitment
- Team Members Recruitments and so on.

For details on NEN activities, refer **ANNEXURE-ECE-F**.

Students participated in NEN are as below:

S No.	ROLL NO.	NAME	CLASS
<b>ENTREPRENEUR LEADERS</b>			
1	13R11A0462	Revanth	ECE 4B
2	13R11A0478	Monika	ECE 4B
3	13R11A04F4	Suraj	ECE 4C
4	13R11A04L1	Viswajith	ECE 4D
5	13R11A04F8	Archana	ECE 4D
6	13R11A04K3	Rithwik	ECE 4D
7	13R11A04J4	Mansha	ECE 4D
8	13R11A04G1	Ramya	ECE 4D
9	13R11A04G4	Anirudh	ECE 4D
10	13R11A04K0	Yamini	ECE 4D



<b>TEAM LEADERS</b>			
1	14R11A0451	Soumya Mishra	ECE 3A
2	14R11A0433	Runi Tanishka Sharma	ECE 3A
3	14R11A0425	Shreya Jeksani	ECE 3A
4	14R11A04B6	Y Sai Vishwanath	ECE 3B
5	14R11A04E9	Mridula	ECE 3C
6	14R11A04E8	Ajay N	ECE 3C
7	14R11A04M6	Pranav Raju	ECE 3D
8	13R11A04K4	Ramya Shiva	ECE 4A
9	13R11A0470	Pranaya	ECE 4B
<b>TEAM MEMBERS</b>			
1	15R11A04G0	P. Srivaths	ECE
2	15R11A0472	Jaya Madhavi	ECE
3	15R11A04A9	SVSN Sruti	ECE
4	15R11A04A5	S. Indira	ECE
5	15R11A0445	P. Sri Laasya Latha	ECE 2A
6	15R11A0401	A. Nimisha	ECE 2A
7	14R11A04J6	Kireeti	ECE 3D

- NEN Faculty coordinators from the department: M.Umarani, Assistant Professor of the department is the faculty coordinator.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

With an aim to promote scholarly activities beyond the regular curriculum the Department of ECE involves its students to participate in:

- Project Exhibition: conducted once a year - Students will make technical presentations via working and non-working models on topics of current significance and future trends
- BHASWARA-Technical Symposium: an Institute level event in which students participate in paper presentations, project demonstrations, poster presentations, ROBO

Quest etc. The institution has a Career guidance committee which conducts awareness programs by inviting eminent personalities from various industries which provides a career guidance for the students.

- CRT (Campus Recruitment Training): The institute conducts CRT classes from second year onwards which trains the students in aptitude, verbal & logical reasoning, group discussions. It also helps to improve their personality development skills.
- BEC (Business English Certificate) and FL (Foreign Language): The institute provides an opportunity to the students to learn foreign languages and English certification course through BEC and FL classes. These classes are organized for 2<sup>nd</sup> and 3<sup>rd</sup> Years students.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

- B.Tech (ECE) program of the Department is accredited by NBA team twice (First time in 2012 for a period of two years and then reaccredited in 2015 for a period of three years).

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

After several brain storming sessions, we have identified the following strengths, weaknesses, opportunities and challenges of ECE department

**Strengths**

- One completed project funded by DST
- A good number of projects have been proposed and reviews are in process
- Well equipped and well maintained laboratories
- Good Library Facility
- Steadily increasing research culture by way of faculty publications
- Adequate number of qualified and experienced faculty
- High potential researchers
- Practical and application oriented teaching and internships in various industries

- Good teamwork and co-operation among faculty members and non-teaching staff.

### **Weaknesses**

- Lesser number of faculty with PhD at middle cadre
- Long term planning to achieve the goals with existing infrastructure and equipment
- Lack of interdisciplinary interface with other departments or institutions
- Insignificant collaboration with institutions of Academic excellence/ universities
- Negligible collaboration with industry
- Meager core company placements

### **Opportunities**

- Encourage and conduct research in multidisciplinary areas in close connection with industry
- Motivate and guide younger faculty to pursue research
- Enhance employability of students through a stronger industry institute interaction

### **Challenges**

- Mushrooming growth of engineering colleges
- Uplifting the academic standards of the students to meet industrial requirements, since, increased number of seats in colleges of long standing resulting in students with less motivation and with relatively low/poor ranks in the qualifying examination taking admission in the college.
- Achieving the placements in more number of core companies.

### **39. Future plans of the department.**

- To undertake Research and Development on large scale involving faculty from all specialization groups of the department.
- To achieve 100% placements.
- To prepare the students to go for higher studies in well reputed institutes like IITs.
- To establish a centre of excellence in field of Communication Engineering and Allied Areas.

# ECE Department Evaluative Report Annexures

**ANNEXURE-ECE-A**

**Research Publications Presented In Journals and Conferences in the last four academic years**

**Table-1: International Journals**

S.No.	Name of the Faculty with Designation	Title of the Research Publication / Work	International/ National - Journal/ Conference	Name of the Journal / Conference	Month and Year of Publication	Remarks
<b>Academic Year 2016-17</b>						
1	A.Shankar Associate Professor	Performance analysis of an OFDM system for Different channel models	International Journal	IJRASET	Nov, 2016	5.969 (IF)
2	Dr. C. Venkata Narasimhulu Professor	“Efficient VLSI Architectures for FIR Filters”	International Journal	IOSR JVSP	Jan, 2017	
3	P Sudhakar Associate Professor	“Lidar studies on atmospheric aerosols at a semi-urban station Cheeryal (17.51° N, 78.62° E) near Hyderabad, India”	International Journal	Proc. of SPIE Vol. 9879, 987919	2016	doi: 10.1117/12.2223391
4	P Sudhakar Associate Professor	“Multi-wavelength dual polarisation lidar for monitoring precipitation process in the cloud seeding technique”	International Journal	Proc. of SPIE Vol. 9879, 987919	2016	doi: 10.1117/12.2223043

5	P Sudhakar Associate Professor	“Experimental investigations on range-resolved refractive index structure parameter $C_n^2$ , by optical measurements over a 2.0 km free space laser path”	International Journal	Proc. of SPIE Vol. 9879, 987919	2016	doi: 10.1117/12.2223418
6	S Krishna Priya Associate Professor	Design of low power high speed binary adder using reversible logic	International Journal	IJTRE, Vol. 4, Issue 2	Oct, 2016	
7	Appala Raju. Uppala. Associate professor	“Design and Implementation of Cognitive Radio Communication System for Short Range Applications Using Raspberry Pi”	International Journal	International Journal of Electrical Electronics and Communication (IJEEC),	Oct, 2016	ISSN 2048-1069, Volume 21, Issue 07, page 4471.
8	G.Venakata rao, Assistant Professor	Design of Low Power and High CMRR Two Stage CMOS Operational amplifier in 180nm Technology	International journal	IJRSET	May, 2016	6.209
9	B.Mamatha, Assistant Professor	Design of Low Power and High CMRR Two Stage CMOS	International journal	IJRSET	May, 2016	6.209

		Operational amplifier in 180nm Technology				
10	B.Jugal Kishore, Assistant Professor	Design of Low Power and High CMRR Two Stage CMOS Operational amplifier in 180nm Technology	International journal	IJRSET	May, 2016	6.209
11	V Venkata Lakshmi, Assistant Professor	Implementation of touch detection with virtual key board using raspberry pi	International	IJEET, VOLUME-21, ISSUE 12	Sep, 2016	3.8
<b>Academic Year 2015-16</b>						
1	Dr M Satyanarayana, Professor	Diurnal variations of structural and radiative characteristics of tropical cirrus clouds”	International Journal	Journal of Applied Meteorology and Climatology		
2	Dr M Satyanarayana, Professor	Lidar studies on microphysical influences on the structure and lifetime of tropical cirrus clouds	International Journal	Journal of the Atmospheric Sciences		
3	Dr M Satyanarayana, Professor	Sensitivity of Tropical Cirrus Radiative Properties to Cloud Microphysics Based On Lidar Observations	International Journal	Journal of Applied Remote Sensing		

4	Dr M Satyanarayana, Professor	Microphysical influences on the structure and lifetime of tropical cirrus clouds	International Journal	Journal of Applied Remote Sensing		
5	Dr M Satyanarayana, Professor	Correlation analysis of lidar derived optical parameters for investigations on thin cirrus features at a tropical station Gadanki (13.50N & 79.20E).”	International Journal	Journal of the Atmospheric Sciences		
6	Dr. C. Venkata Narasimhulu Professor	Review on Digital Image Restoration Methods and Future Directions	International Journal	IJSER , Volume 6, Issue 8,	Aug, 2015	
7	Dr. C. Venkata Narasimhulu Professor	Remote Sensing Image Enhancement Techniques: A Survey	International Journal	IJEAM, International Journal of Engineering, Applied and Management Sciences Paradigms, Volume 34, Issue 01,	Mar, 2016	
8	M.Krishna Chaitanya	Remote Sensing Image Enhancement Techniques: A Survey	International Journal	IJEAM, International Journal of Engineering, Applied and Management Sciences Paradigms, Volume 34, Issue 01,	Mar, 2016	



9	Dr. C. Venkata Narasimhulu Professor	Design of DFC Waveforms for MIMO Radar using Accelerated Particle Swarm Optimization Algorithm	International Journal	IJETT: International Journal of Engineering Trends and Technology – Volume 33, Number 2	Mar, 2016	
<b>Academic Year 2014-15</b>						
1	P Sudhakar Associate Professor	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad, India	International Journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences	December, 2014	doi:10.5194/isprsarchives-XL-8-1467-2014.
2	P Sudhakar Associate Professor	Lidar Studies on The Optical Characteristics of High Altitude Cirrus Clouds at A Low Latitude Station, Gadanki (13.5 N , 79.2 E ) India2014.	International Journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences	December, 2014	doi:10.5194/isprsarchives-XL-8-253-2014.
3	B. Sreelatha, Associate Professor	Design and Implementation of MCU and the Internet Communication System	International Journal	IJMETMR	Oct, 2014	

		Based on GPRS				
4	B. Sreelatha, Associate Professor	High Speed Low Power Operation for FFT using Reversible Vedic Multiplier	International Journal	IJARECE	Sep, 2014	
5	B. Sreelatha, Associate Professor	Multiple SIC-TPG Schemes: By Implementing Reconfigurable Johnson Counter and Scalable SIC Counter	International Journal	IJARECE	Sep, 2014	
6	M.Laxmi, Associate Professor	Embedded Linux based optical wireless intra vehicular communications	International journal	IJCSIET-- International Journal of Computer Science information and Engg., Technologies	Apr, 2014	
7	E.V.L.N.Rangacharyulu, Professor	Sensitivity, Pole-Zero and Distortion Analysis of State Variable Filter with Multiple Faults	International journal	Procedia Material Sciences, Elsevier	2015	Doi.10.1016/j.mspro
8	E.V.L.N.Rangacharyulu, Professor	"Stacked Dual Oxide Nano MOS Parameter Optimization For 3-D IC Realization "	International journal	Procedia Material Sciences, Elsevier, Volume 10C, , Pages 441-445	2015	
9	Dr. V.Satya srinivas, Professor	Modelling of Ionospheric Time Delay Using Anisotropic	International journal	IEEE Transactions on Geosciences and Remote sensing	Jan, 2015	

		IDW with Jackknife Technique				
10	Dr M Satyanarayana, Professor	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad	International journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, <i>doi:10.5194/isprsarchives-XL-8-1467-2014.</i>	Dec, 2014	
11	Prof D Ramakrishna Rao	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad	International journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12	Dec, 2014	

				December 2014, Hyderabad, India, <i>doi:10.5194/isprsarchive-s-XL-8-1467-2014.</i>		
12	P Kalavathi	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad	International journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, <i>doi:10.5194/isprsarchive-s-XL-8-1467-2014.</i>	Dec, 2014	
13	Dr M Satyanarayana, Professor	Climatology Of Thin Cirrus Clouds at Gadanki (13.50N,79.20E) Using Ground Based Lidar And Satellite Based Measurements	International journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS	Dec, 2014	

				Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, <i>doi:10.5194/isprsarchives-XL-8-283-2014.</i>		
14	Dr M Satyanarayana, Professor	Lidar Studies on The Optical Characteristics of High Altitude Cirrus Clouds at A Low Latitude Station, Gadanki (13.5 N , 79.2 E ) India	International journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, <i>doi:10.5194/isprsarchives-XL-8-253-2014.</i>	Dec, 2014	
15	P Kalavathi	Lidar Studies on The Optical Characteristics of High Altitude Cirrus Clouds at A Low	International journal	The International Archives of the Photogrammetry, Remote Sensing and Spatial	Dec, 2014	

		Latitide Station, Gadanki (13.5 N , 79.2 E ) India		Information Sciences, Volume XL-8, 2014 ISPRS Technical Commission VIII Symposium, 09 – 12 December 2014, Hyderabad, India, <i>doi:10.5194/isprsarchive-s-XL-8-253-2014.</i>		
16	M. Hema Latha	Advanced Aid for Deaf, Blind using GPS,GSM and ultrasonic sensor	International journal	IJSETR Vol.3 issue 25	Sep, 2014	ISSN:23 19-885
17	J.Mrudula	Performance Analysis of Propagation Models of Wi-MAX in Urban, suburban Area	International journal	IJAEEE, vol.3, issue 3	Sep, 2014	ISSN:22 78 -8948
18	T.Rama Krishna	Dynamic Book search using RFID technology	International journal	IJERGS vol.2,issue:6	Oct –Nov, 2014	ISSN:20 91-2730 ,
19	D.Rama Krishna Rao	Privacy-Aware monitoring Framework based time monitoring system for moving object	International journal	IJARECE, vol.3,issue:9	Sep, 2014	ISSN:22 78-909X
20	J.Mrudula	Viterbi Decoder	International journal	IJSETR vol.3,issue:2	Sep, 2014	ISSN:23 19-8885

		Based on Speed optimization of a FPGA		7		
21	E.V.L.N.Ra ngacharyulu	Verilog implementati on of parallel AES Encryption Engines for multi core processor arrays	International journal	IJMETMR, vol.1,issue:9	Sep, 2014	ISSN:23 48-4845
22	D. Venkata Rami Reddy	Designing an Efficient and high throughput MIMO-OFDM system	International journal	IJVDCS, , vol.2,issue:9	Nov, 2014	ISSN:23 22-0929
23	M. Venkata Sireesha	Passenger Bus Alert system for easy navigation of Blind	International journal	IJESR, vol.4,issue:9	Sep, 2014	ISSN:22 77-2685
24	D.Rama Krishna Rao	Performance of WIMAX over MIMO Nakagami Fading channels in cross layer	International journal	IJARECE, vol.3,issue:9	Sep, 2014	ISSN:22 78-909x
25	J.Mrudula	Parallel prefix tree 32 bit comparator and adder by using scalabale Digital CMOS	International journal	IJARECE, ,vol.3, issue:10	Oct, 2014	ISSN:22 78-909x
26	T Rama Krishna	Safeguarding of Automobiles using Enhanced GSM-GPS	International journal	IJARECE, vol.3, issue:10	Oct, 2014	ISSN:22 78-909x

		based system				
27	K.Somasekhara Rao	Automatic Energy Meter Reading system with instant billing and load control based on GSM technology	International journal	IJSETR, vol.3, issue:30	Oct, 2014	ISSN:2319-8885
28	E.V.L.N.Ra ngacharyulu	Efficient Built in self repair analyser for embedded word oriented SRAM and DRAM memories with selectable redundancy	International journal	IJARECE vol.3, issue:9	Sep, 2014	ISSN:2278-909x
29	E.V.L.N.Ra ngacharyulu	Study of Various low power and low latency carry select adders	International journal	IJMETMR, vol.1, issue:9	Sep, 2014	ISSN:2348-4845
30	Ch.Madhuri Devi	Implementati on of High Efficient LED Lighting system with security	International journal	IJSR, vol.3, issue:10	Oct, 2014	ISSN:2319-7064
31	G. Pavani	Smart phone controlled two axes robot for video surveillance using wireless internet and raspberry pi processor	International journal	IJRAT, vol.2, issue:10	Oct, 2014	ISSN:2321-9637
32	R.Odaiah	Efficient Robot control	International journal	IJR, vol.1, issue:9	Oct, 2014	ISSN:2348-6848



		system with high security using DTMF				
33	K. Soma shekara Rao	Design and Implementati on of video surveillance and motion detection system using GSM technology based on ARM 9	International journal	IJESTR, vol34,issue:2 1	Sep, 2014	ISSN:23 19-8885
34	M.Venkata Sireesha	Automated control system for air pollution detection in vehicles	International journal	IJSETR, vol.3,issue:3 2	Oct, 2014	ISSN:23 19-8885
35	K.Somasek hara Rao	Zigbee based speed monitoring and controlling for transport Navigation system	International journal	IJSETR, vol.3,issue:2 1	Oct, 2014	ISSN:23 19-8885
<b>Academic Year 2013-14</b>						
1	Dr C.Venkata Narasimhul u	The Flexible BUS Systems Using Zigbee as a Communicati on Media	International Journal	International Journal of Advanced Research In Computer Science and Software Engineering	Volume-3, Issue-9, September, 2013	
2	Dr C.Venkata Narasimhul u	An Efficient Mining Strategy for The Wireless Surveillance	International Journal	International Journal of Review on Recent Electronics and Computer Science,	Sept, 2013	Volume-1, Issue-5,
3	A.Shankar, Associate	Design of low power SAR-	International journal	IJRCCT, VO L-2, Issue	Aug, 2013	

	Professor	ADC in 0.18 $\mu$ m Mixed –Mode CMOS Process		No.8,Page No.654-658		
4	A.Shankar, Associate Professor	Design of Built- in – Self-Repair Strategy with selectable Redundancy for Embedded SRAM	International journal	IJRCCT, VO L-2, IssueNo.9,PageNo.708-712	Sep, 2013	
5	P Sudhakar Associate Professor	Lidar system for Application to Boundary Layer	International Journal	International Journal of Systems & Technologies	January, 2014	ISSN 0974 - 2107
6	P Sudhakar Associate Professor	Lidar Investigations on the Optical and Dynamical Properties of the Cirrus Clouds in the UTLS Region at a Tropical Station Gadanki, India (13.5 <sup>o</sup> N, 79.2 <sup>o</sup> E)	International Journal	Journal of Applied Remote Sensing	March, 2014	doi: 10.1117/1.JRS.8.083659, 2014.
7	S Jyothirmaye e, Associate Professor	Low power SAR-ADC in 0.8 $\mu$ m Mixed Mode CMOS process for Biomedical Applications	IOSR Journal	IOSR Journal of VLSI and Signal Processing	Sep, 2013	
8	S Jyothirmaye e, Associate Professor	Development and design of the ATM banking security system through	International Journal	IJCER	Sep, 2013	

		Image Processing and GSM Communication				
9	S Jyothirmaye, Associate Professor	VLSI Architecture development for Advanced Encryption Standards	International Journal	IJRRECS	Oct, 2013	
10	D.Rama Krishna Rao	Lidar Investigations on the Optical and Dynamical Properties of the Cirrus Clouds in the UTLS Region	International journal	Journal of Applied Remote sensing	Feb, 2014	
11	Dr.M.Satya narayana	Lidar Investigations on the Optical and Dynamical Properties of the Cirrus Clouds in the UTLS Region	International journal	Journal of Applied Remote sensing	Feb, 2014	
12	M.Muthamma	A survey on transmission of data through illumination Li-Fi	International Journal	IJRCCT	Dec, 2013	
13	K.Somasekhar Rao	Design of Embedded Media Player Based On ARM9	International Journal	International Journal of Computational Engineering Research (IJCER)	Sep, 2013	
14	M.Hemalatha	An efficient mining strategy for the wireless surveillance	International journal	International Journal of Reviews on Recent Electronis &		

				Computer Science.		
15	J.Mrudula	Eye Diagram As An Diagnostic ToolFor BER Analysis In High Speed Serial Links	International journal	IJAET	May, 2014	
16	B.Suneetha	Eye Diagram As An Diagnostic ToolFor BER Analysis In High Speed Serial Links	International journal	IJAET	May, 2014	

**Table-2: International Conferences**

S. No.	Name of the Faculty with Designation	Title of the Research Publication / Work	International / National Journal/Conference	Name of the Journal / Conference	Month and Year of Publication	Remarks
<b>Academic Year 2016-17</b>						
1	P Sudhakar Associate Professor	Optimization of Dual Wavelength Optical Radar for Measurement of Aerosols	International Conference	First International Conference on Recent Innovations in Engineering and Technology (ICRIEAT -2016)	December 22-23, 2016	-
2	P Sudhakar Associate Professor	A High-Capacity Image Data Hiding Scheme	International Conference	First International Conference on	December 22-23, 2016	-

		using Adaptive LSB Substitution		Recent Innovations in Engineering and Technology (ICRIEAT -2016)		
3	P Sudhakar Associate Professor	Laser Radar Signal Processing for Measurement of Chemical and Biological Agents	International Conference	IEEE International Conference on Advanced Computing and Communication Systems (ICACCS -2017)	January 06-07, 2017	-
4	P Sudhakar Associate Professor	Imaging Lidar System for Night Vision and Surveillance Applications	International Conference	IEEE International Conference on Advanced Computing and Communication Systems (ICACCS -2017)	January 6-7, 2017	-
5	Ganti.Sreelakshmi, Associate Professor	Implementation of High Speed Vedic BCD Multiplier using Vinculum Method	International Conference	IEEE TENCN 2016 Technologies for Smart Nation,	Nov 22 – 25, 2016,	IEEE Digital Explorer, Marina Bay Sands, Singapore
6	S Vasu Krishna, Associate Professor	Efficient Implementation of 18T Compresso	International Conference	ICRACSC - 2016	December 29, 2016.	

		r for Multiplier Applications				
<b>Academic Year 2015-16</b>						
1	Dr M Satyanarayana, Professor	Experimental Investigations on Range Resolved Refractive Index Structure Parameterc_N^2, By Optical Measurements Over A 2.0 Km Free Space Laser Path	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.	Apr, 2016	
2	Dr M Satyanarayana, Professor	Multiwavelength Dual Polarisation Lidar For Monitoring Precipitation Process In The Cloud Seeding Technique	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.	Apr, 2016	
3	Dr M Satyanarayana, Professor	Lidar Studies On Atmospheric Aerosols at A Semi-Urban Station Cheeryal (17.51° N, 78.62° E), Near Hyderabad, India	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.	Apr, 2016	
4	Dr M Satyanarayana, Professor	Lidar studies on climate sensitivity characteristics of tropical cirrus clouds	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.		
5	Dr M Satyanarayana, Professor	Investigation On The Lidar Ratio Variations To	International Conference	SPIE Asia-Pacific Remote Sensing		

		Study The Effects Of Aerosols On Cirrus Clouds		New Delhi.		
6	Dr M Satyanarayana, Professor	Investigation of tropical cirrus cloud properties using ground based lidar measurements	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.		
7	Dr M Satyanarayana, Professor	Investigation on the monthly variation of cirrus optical properties over the Indian subcontinent using cloud-aerosol lidar and infrared pathfinder satellite observation (Calipso)	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.		
8	D Ramakrishna Rao, Professor	Experimental Investigations on Range Resolved Refractive Index Structure Parameterc_N^2, By Optical Measurements Over A 2.0 Km Free Space Laser Path	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.		
9	D Ramakrishna Rao, Professor	Multiwavelength Dual Polarisation Lidar For Monitoring Precipitation Process In The Cloud Seeding Technique	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.		

10	D Ramakrishna Rao, Professor	Lidar Studies On Atmospheric Aerosols at A Semi-Urban Station Cheeryal (17.51° N, 78.62° E), Near Hyderabad, India	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.		
11	P Sudhakar, Associate Professor	Experimental Investigations on Range Resolved Refractive Index Structure Parameterc_N^2, By Optical Measurements Over A 2.0 Km Free Space Laser Path	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.		
12	P Sudhakar, Associate Professor	Multiwavelength Dual Polarisation Lidar For Monitoring Precipitation Process In The Cloud Seeding Technique	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.		
13	P Sudhakar, Associate Professor	Lidar Studies On Atmospheric Aerosols at A Semi-Urban Station Cheeryal (17.51° N, 78.62° E), Near Hyderabad, India	International Conference	SPIE Asia-Pacific Remote Sensing New Delhi.		
<b>Academic Year 2014-15</b>						
1	B. Sreelatha, Associate Professor	Sensitivity, Pole-Zero and Distortion	International Conference	ICNT	Oct, 2014	



		Analysis of State Variable Filter with Multiple Faults				
2	P Sudhakar Associate Professor	Design of Laser Based Monitoring Systems for Compliance Management of Odorous and Hazardous Air Pollutants in Selected Chemical Industrial Estates at Hyderabad, India	International Conference	The ISPRS Technical Commission VIII Symposium, Hyderabad, India.	December 9-12, 2014	-
3	P Sudhakar Associate Professor	Lidar Studies on The Optical Characteristics of High Altitude Cirrus Clouds at A Low Latitude Station, Gadanki (13.5 N , 79.2 E ) India	International Conference	The ISPRS Technical Commission VIII Symposium, Hyderabad	December 9-12, 2014	-
4	E.V.L.N.Rangacharyulu	Sensitivity, Pole-Zero and Distortion Analysis of State Variable Filter with Multiple Faults”,	International Conference	ICNT	2014	
<b>Academic Year 2013-14</b>						
1	Dr C.Venkata Narasimhulu, Professor	A Non-Blind Hybrid Video watermarking Scheme	International Conference	International Conference on Advances in Computer	2013	DOI : 10.3850/978-981-07-5461-7_07

		based on Singular Value decomposition and Contourlet Transform		Science and Electronics Engineering		
2	EVLN Ranga Charyulu, Professor	Heat transfer process parameter optimization in Si/Ge using Taguchi method.	International conference	Fifth ECI international conference on porous media and their applications in science	January 25, 2014	
3	EVLN Ranga Charyulu	Heat transfer process parameter optimization in Si/Ge using Taguchi method.	International conference	IWAMAN	Apr, 2014	
4	EVLN Ranga Charyulu	Heat transfer process parameter optimization in Si/Ge using Taguchi method	International conference	Emac2013	December 1-4, 2014	

**Table-3: National Journals**

S. No.	Name of the Faculty with Designation	Title of the Research Publication / Work	International / National Journal/Conference	Name of the Journal / Conference	Month and Year of Publication	Remarks
<b>Academic Year 2016-17</b>						
1	M. Krishna, Assistant	Design of High-Speed	STM Journal	Journal of VLSI	Dec, 2016	

	Professor	and Low-Power Carry Skip Adder”		Design Tools and Techonology		
<b>Academic Year 2015-16</b>						
NIL						
<b>Academic Year 2014-15</b>						
NIL						
<b>Academic Year 2013-14</b>						

**Table-4: National Conferences**

S. No	Name of the Faculty with Designation	Title of the Research Publication / Work	International / National Journal/Conference	Name of the Journal / Conference	Month and Year of Publication	Citation Index – range/ average/ SNIP / SJR / Impact factor – range/ average/ h-index (If applicable)
<b>Academic Year 2016-17</b>						
1	B SreeLatha, Associate Professor	Methods of Faults Diagnosis in Analog Circuits using Sensitivity Analysis	National Conference	Modern Electronics and High Speed Communication Systems (NMEHSCS)	July 29-30, 2016	
<b>Academic Year 2015-16</b>						
1	Dr M Satyanarayana, Professor	Optical Properties of Cirrus Clouds in the Tropical Tropopause Region during two Contrasting Seasons	National Conference	Indian Journal of Radio & Space Physics	Dec, 2015	
<b>Academic Year 2014-15</b>						

1	Dr.C.Venkata Narasimhulu, Professor	Investigating Suitable Signal processing Techniques for spectrum sensing	National Conference	3 <sup>rd</sup> National conference on Latest trends in Signal Processing, VLSI and Embedded Systems held at GCET, Hyd.	June 20-21, 2014.	ISBN: 978-93-83459-63-6
2	Dr.C.Venkata Narasimhulu, Professor	A Survey on Face Recognition	National Conference	3 <sup>rd</sup> National conference on Latest trends in Signal Processing	June 20-21, 2014.	ISBN: 978-93-83459-63-6
3	Dr.C.Venkata Narasimhulu, Professor	NSCT and SVD based color Image Watermarking for Noise Attacks.	National Conference	3 <sup>rd</sup> National conference on Latest trends in Signal Processing	June 20-21, 2014.	ISBN: 978-93-83459-63-6
4	Dr.C.Venkata Narasimhulu, Professor	A review on Different Techniques of Digital Image Denoising	National Conference	3 <sup>rd</sup> National conference on Latest trends in Signal Processing	June 20-21, 2014.	ISBN: 978-93-83459-63-6
5	A.Shankar, Associate Professor	A Survey on Face Recognition Techniques	National Conference	3 <sup>rd</sup> National conference on Latest trends in Signal Processing	June 20-21, 2014.	ISBN: 978-93-83459-63-6
6	B SreeLatha, Associate Professor	Analysis of Multiple Faults in Analog Circuits using Monte Carlo Technique	National Conference	Latest Trends in Signal Processing, VLSI and Embedded Systems	Jun, 2014	
7	G.Sree lakshmi, Associate Professor	Design and Implementation of Wallace tree multiplier using compressors	National Conference			
				NCSSS2015	Jan, 2015	

		for high speed applications				
8	G.Sree lakshmi, Associate Professor	Design of Modulo 2n+1 Adders	National Conference		NCSSS2015	Jan, 2015
9	S Jyothirmaye, Associate Professor	Survey on Challenges and Improving the Quality of Service in Mobile Ad Hoc Networks	National Conference	Latest Trends in Signal Processing, VLSI and Embedded Systems		Jul, 2014
10	Appala Raju. Uppala., Associate Professor	,"Investigating Suitable Signal processing Techniques for spectrum sensing “	National Conference	3rd National conference on Latest trends in Signal Processing, VLSI and Embedded Systems		June 20-21, 2014. ISBN: 978-93-83459-63-6, Bonfring
11	D Sony, Assistant Professor	Analysis of Multiple Faults in Analog Circuits using Monte Carlo Technique	National Conference	Latest Trends in Signal Processing, VLSI and Embedded Systems		Jun, 2014
12	M Umarani, Assistant Professor	Analysis of Multiple Faults in Analog Circuits using Monte Carlo Technique	National Conference	Latest Trends in Signal Processing, VLSI and Embedded Systems		Jun, 2014
13	J.Mrudula Associate Professor	Frequency synthesizer for satellite data with reduced clock jitter	National Conference	Proceedings of NCSSS2015		Jan, 2015

14	B.Suneetha Assistant Professor	Frequency synthesizer for satellite data with reduced clock jitter	National Conference	Proceedings of NCSS2015	Jan, 2015	
15	M.Hemalatha Assistant Professor	BeAms- A beacon based Angle measurement sensor for Mobile Robot Positioning	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
16	B.Mamatha	An adaptive bandwidth allocation scheme for mobile networks	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
17	B.Suneetha	BER Analysis of an Optical Cross Connect Due to Cross talk in DWDM system	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
18	J.Mrudula	e BER Analysis of an Optical Cross Connect Due to Cross talk in DWDM system an	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
19	P. Kalavathi,	Laser Remote Sensing and Applications	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
20	M Satyanarayana	Laser Remote Sensing and Applications	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014

21	P. Kalavathi,	Lidar Signal Processing-Inversion technique for Aerosol Profiles	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
22	D. Ramakrishna Rao	Lidar Signal Processing-Inversion technique for Aerosol Profiles	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
23	M Satyanarayana	Lidar Signal Processing-Inversion technique for Aerosol Profiles	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
24	T.Rama Krishna	NSCT & SVD based color Image Watermarking for Noise Attacks	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
25	M. Kalyan Chakravarthi	Jamming of Communication Military Satellite	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
26	M. Kalyan Chakravarthi	Jamming of Satellite Communication Systems	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
27	M.Christhu Raju	Efficient Encoding and Decoding Algorithm for Convolutional Codes	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
28	R.Odaiah	Efficient Encoding and Decoding Algorithm	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014

		for Convolutional Codes				
29	R.Odaiah	FPGA Implementation of Single Precision Floating-Point Addition and Multiplication using Verilog	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
30	G.Pavani	Fault Tolerance and Avoidance in Embedded Wearable System for Hydration Measurement	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
31	Md.Rafi	Fault Tolerance and Avoidance in Embedded Wearable System for Hydration Measurement	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
32	G.Pavani	Optimal FIFO Design Methodology Based on Input and Output Data Transfer Rate	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014
33	Md.Rafi	Optimal FIFO Design Methodology Based on Input and Output Data	National Conference	3 <sup>rd</sup> NC on ETSPES	Jun, 2014	ISBN 978-83459-63-6 2014



		Transfer Rate				
34	Ch.Madhuri Devi	Brightness and Resolution of Satellite Images using SVD and DWT	National Conference	3 <sup>rd</sup> NC on ETSPEs	Jun, 2014	ISBN 978-83459-63-6 2014
35	P.Prasana Rani	A survey on Cognitive Radio	National Conference	3 <sup>rd</sup> NC on ETSPEs	Jun, 2014	ISBN 978-83459-63-6 2014
36	M.Mutthama	Sugar Fueled Batteries	National Conference	3 <sup>rd</sup> NC on ETSPEs	Jun, 2014	ISBN 978-83459-63-6 2014
<b>Academic Year 2013-14</b>						
1	B SreeLatha, Associate Professor	Noise Analysis in Analog VLSI Circuits with Saturation Faults	National Seminar	Institution of Engineers India	Mar, 2014	
2	P Sudhakar Associate Professor	Lidar system for Application to Boundary Layer	National Conference	National Conference on Advanced Signal Processing Applications	December 20 – 21, 2013	-
3	P Sudhakar Associate Professor	Lidar Signal Processing – Inversion Technique for Aerosol Profiles	National Conference	Third National Conference on Latest Trends in Signal Processing, VLSI and Embedded Systems	June 20-21, 2014	ISBN 978-93-83459-63-6
4	P Sudhakar Associate Professor	Laser Remote Sensing and Applications	National Conference	Third National Conference on Latest Trends in	June 20-21, 2014	ISBN 978-93-83459-63-6

				Signal Processing, VLSI and Embedded Systems		
5	P.Prasana Rani	A study on MAC protocol for energy efficient wireless sensor networks	National conference	National conference on advanced computing and pattern recognition	January 7-9, 2014	
6	P.Prasana Rani	A self organized technique for feature Re weighting in content based Image Retrieval using relevance feedback.	National conference	National Conference on Advanced Signal Processing Applications	December 20-21, 2013	
7	P. Kalavathi,	Lidar system for Application to Boundary Layer	National conference	National Conference on Advanced Signal Processing Applications	Dec 20-21, 2013	
8	D. Ramakrishna Rao	Lidar system for Application to Boundary Layer	National conference	National Conference on Advanced Signal Processing Applications	Dec 20-21, 2013	
9	M Satyanarayana	Lidar system for Application to Boundary Layer	National conference	National Conference on Advanced Signal Processing Applications	Dec 20-21, 2013	

**ANNEXURE-ECE-B**

**Faculty Recharging Strategies**

<b>S. No</b>	<b>Name of the Faculty, Qualification &amp; Designation</b>	<b>Details of FDP/Workshop</b>	<b>Duration</b>	<b>Organization Conducted</b>	<b>Year of participation /Attended</b>
<b>Academic Year 2016-17</b>					
1.	P Sudhakar Associate Professor	IEEE Hyderabad Section – Student Congress	2 Days	IEEE Hyderabad Section	Oct 22-23, 2016
2.	D Venkata Rami Reddy Associate Professor	IEEE Hyderabad Section – Student Congress	2 Days	IEEE Hyderabad Section	Oct 22-23, 2016
3.	S Jyothirmayee Associate Professor	IEEE Hyderabad Section – Student Congress	2 Days	IEEE Hyderabad Section	Oct 22-23, 2016
4.	S Vasu Krishna Associate Professor	IEEE Hyderabad Section – Student Congress	2 Days	IEEE Hyderabad Section	Oct 22-23, 2016
5.	S Vasu Krishna Associate Professor	Circuits and Systems ( CAS )	1 Day	CASEST, School of Physics, UoH.	Oct 17, 2016
6.	M.Krishna Assistant Professor	Emerging Opportunities for Research and Development in VLSI	2 Days	BVRIT Hyderabad College of Engineering for Women	Oct 19-21, 2016
7.	G Venkat Rao Assistant	Emerging Opportunities for Research	3 Days	BVRIT Hyderabad College of	Oct 19-21, 2016

	Professor	and Development in VLSI		Engineering for Women	
<b>Academic Year 2015-16</b>					
1.	S Vasu Krishna Associate Professor	Digital VLSI System design using verilog HDL	5 Day	TASK	Jan 4-6, 2016
2.	U.Appala Raju Associate Professor	Recent Trends in Communication System Design	1 Day	Akademika Lab Solutions,M umbai	July 13, 2015
3.	M.Krishna Chaitanya Assistant Professor	Recent Trends in Communication System Design	1 Day	Akademika Lab Solutions,M umbai	July 7, 2015
4.	B.Sree Latha Associate Professor	Image processing	1 Day	MATLAB software solutions	June 9, 2015
5.	G.Pavani Assistant Professor	Image processing	1 Day	MATLAB software solutions	June 9, 2015
<b>Academic Year 2014-15</b>					
1.	S.Jyothirmaye Associate Professor	Wireless Sensor Networks and its Applications	1 Week	JNTUH	May 4-5, 2016
2.	M.V.Sireesha Assistant Professor	Wireless Sensor Networks and its Applications	1 Week	JNTUH	May 4-9, 2016
3.	G.Pavani Assistant Professor	Wireless Sensor Networks and its Applications	1 Week	JNTUH	May 4-9, 2016
4.	Ch.Madhuri Devi Associate	Wireless Sensor Networks and its	1 Week	JNTUH	May 4-9, 2016

	Professor	Applications			
5.	G.Sree Lakshmi Associate Professor	Engineering Education and Research Seminar	1 Day	National Instrument s	April 4, 2016
6.	S.Jyothirmaye Associate Professor	Intensive Course on Embedded Processors and Applications	3 Days	CBIT	Apr 28-30, 2015
7.	S.Krishna Priya Associate Professor	Intensive Course on Embedded Processors and Applications	3 Days	CBIT	Apr 28-30, 2015
8.	Ch.Madhuri Devi Associate Professor	Intensive Course on Embedded Processors and Applications	3 Days	CBIT	Apr 28-30, 2015
9.	EVLN Rangacharyulu Professor	CST Studio SUITE	1 Day	CST,HYd	July 22, 2015
10.	M.Venkata Sireesha Assistant Professor	ISTE Workshop on Control Systems	2 Weeks	CVSR	Dec 02 -12, 2014
11.	G.Pavani Assistant Professor	ISTE Workshop on Control Systems	2 Weeks	CVSR	Dec 02 -12, 2014
12.	P Sudhakar Associate Professor	ISPRS TC VIII Mid-Term Symposium 2014	4 Days	NRSC	Dec 09 -12, 2014
13.	B Suneetha Assistant Professor	Digital Design using Verilog and VHDL	5 Days	MGIT	Dec 05 -19, 2014
14.	J Mrudula Associate	Digital Design using Verilog and VHDL	5 Days	MGIT	Dec 05 -19, 2014

	Professor				
15.	Ch Madhuri Devi Associate Professor	Digital Image Processing and its Applications	5 Days	MGIT	Dec 05 -19, 2014
16.	S Jyothirmayee Associate Professor	Digital Image Processing and its Applications	5 Days	MGIT	Dec 05 -19, 2014
17.	Dr.C.Venkata Narasimhulu Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22 -27, 2014
18.	Dr M Satyanarayana Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22 -27, 2014
19.	D.Ramakrishna Rao Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22 -27, 2014
20.	K.Somashekara Rao Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22 -27, 2014
21.	EVLN Ranga Charyulu Associte Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22 -27, 2014
22.	EVLN Ranga Charyulu Professor	AWR Design Forum- RF/Microwave Workshop	1 Day	NI, Hyd	Sep 4, 2014
23.	Dr V Satya Srinivas	Electromagnetic Theory and Transmission Lines	5 Days	GCET	Dec 22 -27, 2014

	Associate Professor	with emphasis on Matlab & Ansys			
24.	Dr V Satya Srinivas Associate Professor	Intensive course on Electronic Intelligence Systems(ELINT)	2 Days	CBIT	Dec 12 -13, 2014
25.	P.Sudhakar Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22 -27, 2014
26.	P.Sudhakar Associate Professor	Control systems	2 Days	IETE Hyd	Oct 25 -26, 2014
27.	A. Shanker Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
28.	D. Venkata Rami Reddy Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
29.	S.Jyothirmayee Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
30.	S.Jyothirmayee Associate Professor	Image Processing and its Applications	5 Days	MGIT	Dec 15 – 19, 2014
31.	Ch.Madhuri Devi Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014

32.	Ch.Madhuri Devi Associate Professor	Image Processing and its Applications	5 Days	MGIT	Dec 15 – 19, 2014
33.	B. Sreelatha Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
34.	J. Mrudula Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
35.	J. Mrudula Associate Professor	Digital Design using Verilog and VHDL	5 Days	MGIT	Dec 15 – 19, 2014
36.	M Christu Raju Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
37.	G.Sreelakshmi Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
38.	G.Sreelakshmi Associate Professor	ALTIUM Designer FPGA Tools	2 Days	Kakatiya University	Nov 21-22, 2014
39.	U.Appalaraju Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
40.	R.Odaiah Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on	5 Days	GCET	Dec 22-27, 2014



		Matlab & Ansys			
41.	M.Laxmi Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
42.	S.Krishna Priya Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
43.	T. Rama Krishna Associate Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
44.	M.Hemalatha Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
45.	M.Kalyan Chakravarthi Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
46.	M.Venkata Sireesha Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
47.	M.Venkata Sireesha Assistant Professor	Workshop on Control systems	11 Days	IIT Kharagpur CVSR	Dec 22- 27, 2014
48.	K V S Nagaraju Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014

49.	K V S Nagaraju Assistant Professor	Embedded and VLSI Design	5 Days	BIET,Hyd	Jun 23-27, 2014
50.	P. Kalavathi Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
51.	M R Vishnu Kishore Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
52.	B Suneetha Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
53.	B Suneetha Assistant Professor	Digital Design using Verilog and VHDL	5 Days	MGIT	Dec 15-19, 2014
54.	G. Pavani Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
55.	G. Pavani Assistant Professor	Workshop on Control systems	11 Days	IIT Kharagpur CVSR	Dec 2-12, 2014
56.	G. Pavani Assistant Professor	Trends in process control	2 Days	NIT, Warangal	July 3-4, 2014
57.	B. Uma Rani Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014

58.	SK. Asma Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
59.	B.Mamatha Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
60.	M.Krishna Chaitanya Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
61.	D. Sony Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
62.	P. Sneha Naga Shilpa Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
63.	S. Amaranath Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
64.	A.R.L. Padmaja Lab Assistant	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014
65.	D.Ratna Kumar Lab Assistant	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22- 27, 2014

66.	M.Chathar Singh Lab Assistant	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
67.	D. Vivekanand Lab Assistant	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
68.	S. Surya Prakash Reddy Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
69.	T. Abhilash Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
70.	R.Chiranjeevi Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014
71.	G.Poshamallu Assistant Professor	Electromagnetic Theory and Transmission Lines with emphasis on Matlab & Ansys	5 Days	GCET	Dec 22-27, 2014

**ANNEXURE-ECE-C**

**Awards received by the students for the participation in the events organized by Other Universities/ Colleges/ Institutes.**

**Table-1: Academic Year 2016-17**

S.No	Event Name	Student Name	Year	Venue	Date	Awards
1	Paper Presentation	Archana Dash	IV	BHASWARA, GCET	Aug 27, 2016	I Prize
2	Paper Presentation	P.Niharika	IV	BHASWARA, GCET	Aug 27, 2016	II Prize
3	Poster Presentation	J.Shiva Charan	III	BHASWARA, GCET	Aug 27, 2016	I Prize
4	Poster Presentation	Sameena	III	BHASWARA, GCET	Aug 27, 2016	II Prize

**Table-2: Academic Year 2015-16**

S. No	Event Name	Student Name	Year	Venue	Date	Awards
1	Techquiz	N.Sameera	ECE III	JNTUH SPOORTHI 2K16	March 18- 19, 2016	I Prize
2	Techquiz	KSVSR Kiran	ECE III	JNTUH SPOORTHI 2K16	March 18- 19, 2016	II Prize
3	Techquiz	CH Revanth	ECE III	JNTUH SPOORTHI 2K16	March 18- 19, 2016	II Prize
4	TechnoHub	G Sai Charan	ECE III	CONVERGENCE 2K16, VNR VJIET, Hyd	Feb 29 - March 2, 2016	I Prize
5	Technical	Priyanka Solanki	III	GCET, Hyd	Jan 21,	Ist Prize

S. No	Event Name	Student Name	Year	Venue	Date	Awards
	Quiz				2016	
6	Technical Quiz	Puligopu Niharika	III	GCET, Hyd	Jan 21, 2016	Ist Prize
7	Technical Quiz	Vaidya Keerthi Malini	II	GCET, Hyd	Jan 21, 2016	Ist Prize
8	Technical Quiz	Sangoji Sai Chandusangoji Sai Chandu	II	GCET, Hyd	Jan 21, 2016	Ist Prize
9	Technical Quiz	Rishi Bharadwaj Bhuvanagiri	III	GCET, Hyd	Jan 21, 2016	II nd Prize
10	Technical Quiz	Gumedelly Sai Sharan	III	GCET, Hyd	Jan 21, 2016	II nd Prize
11	Technical Quiz	Ankati Navya	II	GCET, Hyd	Jan 21, 2016	II nd Prize
12	Technical Quiz	B Sai Apoorva	II	GCET, Hyd	Jan 21, 2016	II nd Prize
13	Paper Presentation	Mr.A.V.Nishanth	III	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
14	Paper Presentation	Mr.R.Vigneswar Singh	III	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
15	Paper Presentation	Ms.M.Anusha Reddy	III	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	II nd Prize
16	Paper Presentation	Ms.Mounika Krishna Priya	IV	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	IIIrd Prize
17	Paper Presentation	Ms.Prateeksha Ashok	IV	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	IIIrd Prize
18	Poster Presentation	Ms.Mounika Krishna Priya	IV	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
19	Ad-making	Ms.N.Mahitha Reddy	III	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
20	Ad-making	Mr. Vishwanath	II	Bhaswara 2K15,	Sep 11-	II nd Prize

S. No	Event Name	Student Name	Year	Venue	Date	Awards
				GCET, Hyd	12, 2015	
21	Ad-making	Mr.Ch.Revanth Reddy	III	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	IIIrd Prize
22	Project Presentation	Mr.P.Prashanth	IV	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
23	Project Presentation	Ms.P.Harshitha	IV	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
24	Dumb shell-Electronics	Ms.G.Pranaya	III	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
25	Dumb shell-Electronics	Ms.Monica Jadhav	III	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
26	Dumb shell-Electronics	Mr.K.Satyanarayana	III	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	II nd Prize
27	Dumb shell-Electronics	Ms.N. Padmaja	IV	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	II nd Prize
28	Dumb shell-Electronics	Mr.M.Somashekar Reddy	II	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	IIIrd Prize
29	Dumb shell-Electronics	N.Vishwanath	II	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	IIIrd Prize
30	Technical Quiz	Mr.V.Adarsh		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
31	Technical Quiz	Ms.Reethika		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
32	Technical Quiz	Ms.Y.Ramya		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	II nd Prize
33	Technical Quiz	Ms.N.Sravanthi		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	II nd Prize

S. No	Event Name	Student Name	Year	Venue	Date	Awards
34	Technical Quiz	Mr.Darshan	III	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	IIIrd Prize
35	Technical Quiz	Ms.Sameena		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	IIIrd Prize
36	Circuit Tricks	Mr.Darshan		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
37	Circuit Tricks	Ch.Nagarjuna		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
38	Circuit Tricks	Ms.Y.Ramya		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Merit
39	Circuit Tricks	Mr.P.Prashanth		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Merit
40	Circuit Debugging	Mr.B.Shekar		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
41	Circuit Debugging	Mr.B.Suresh		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
42	Circuit Debugging	Mr. Ch.Revanth	III	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	II nd Prize
43	Circuit Debugging	Mr Ashwith		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	II nd Prize
44	Circuit Debugging	Ms.Sameera		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	IIIrd Prize
45	Circuit Debugging	Ms.Sravanthi		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	IIIrd Prize
46	Treasure Hunt	Mr.N.Pranay Teja		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
47	Treasure Hunt	Mr.KVB Sai Sreekar		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
48	Treasure Hunt	Mr.D.Akhil Sai Kumar		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
49	Robotronics (All terrain)	Mr.G.Pratap Kumar	IV	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize



S. No	Event Name	Student Name	Year	Venue	Date	Awards
50	Robotronics	Mr.Raghavendra		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
51	Robotronics (Soccer)	Mr.Raghuvamsh		Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
52	Robotronics (Maze)	Mr.G.Pratap Kumar	IV	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
53	Robotronics	Ms.Smitha Kumari Patro	II	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize
54	Robotronics (Line follower)	Ms.K.Phani Rishitha	II	Bhaswara 2K15, GCET, Hyd	Sep 11-12, 2015	Ist Prize

**Table-3: Academic Year 2014-15**

S.No	Event Name	Student Name	Year	Venue	Date	Awards
1	Paper Presentation	T Uma Maheshwari	3rd year	TechnISTEa, CBIT, Hyd.	Oct 20- 21, 2014	1st Prize
2	Paper Presentation	M Mounika Krishna Priya	3rd year	TechnISTEa, CBIT, Hyd.	Oct 20- 21, 2014	1st Prize
3	E Jam	V.Adarsh	3rd Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	1st Prize
4	E Jam	K.Rama Krishna	4th Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	2nd Prize
5	Circuit making	C.Tanmai	3rd Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	1st Prize
6	Circuit making	K.Ramani Priya	3rd Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	1st Prize
7	Circuit making	K.Abhilash	4th Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	2nd Prize
8	Circuit making	K.Manish	4th Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	2nd Prize

S.No	Event Name	Student Name	Year	Venue	Date	Awards
9	Paper Presentation	Aravind Murthy	4th Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	1st Prize
10	Paper Presentation	Sai Sreekar	4th Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	1st Prize
11	Paper Presentation	Pratheeksha Ashok	3rd Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	2nd Prize
12	Paper Presentation	P.Sudheep	3rd Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	3rd Prize
13	Paper Presentation	K.Ramani Priya	3rd Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	3rd Prize
14	Poster Presentation	Ruchika Sharma	3rd Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	1st Prize
15	Poster Presentation	Neetu	3rd Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	1st Prize
16	Poster Presentation	M.Keethi	3rd Year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	2nd Prize
17	Project Presentation	Naresh	3rd year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	1st Prize
18	Project Presentation	spandana	2nd year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	1st Prize
19	Project Presentation	G Hari krishna	4th year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	2nd Prize
20	Robotics	J Akhil Kumar	4th year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	2nd Prize
21	Robotics	M V Sharath Kumar Raju	4th year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	2nd Prize
22	Technical Quiz	S Sai Teja	3rd year	Bhaswara 2K14, GCET, Hyd	Oct 20- 21, 2014	1st Prize
23	Model United Nations (MUN) - Debate	K Suraj	2nd year	Model United Nations 2014, MGIT, Hyd	Aug 1- 3, 2014	Merit ( Special Mention)

S.No	Event Name	Student Name	Year	Venue	Date	Awards
24	Matlab Mania	M.Srinidhi	2nd year	Spoorthi 2015,JNTUHCEH	March 11- 12, 2015	Merit
25	Matlab Mania	G.S. Praveen Kumar	2nd year	Spoorthi 2015,JNTUHCEH	March 11- 12, 2015	Merit
26	E-PAPYRUS	I.Uma Maheshwari	3rd year	Spoorthi 2015,JNTUHCEH	March 11- 12, 2015s	Merit
27	E-PAPYRUS	M. Mounika Krishna Priya	3rd year	Spoorthi 2015,JNTUHCEH	March 11- 12, 2015	Merit
28	Technical Fest	Ch. Revanth Reddy	II Yr	IIT Hyderabad	Feb 6- 8, 2015	Appreciation
29	Technical Fest	Srisha Gorasa	III Yr	IIT Hyderabad	Feb 6- 8, 2015	III Prize
30	Apps	K Rohini	III Yr	Techno Carnival, CMR Technical Campus, Hyderabad	March 13- 14, 2015	I Prize
31	Project Expo	P Jayashree Rao	III Yr	Adastra 2015, SNIST, Hyderabad	March 19- 21, 2015	I Prize
32	Project Expo	R Kavya	III Yr	Adastra 2015, SNIST, Hyderabad	March 19- 21, 2015	I Prize
33	Technical Quiz	K Sudhakar	III Yr	Aagama, Aunrag Group of Institutions, Hyderabad	March 19- 20, 2015	II Prize
34	Technical Quiz	V S Srinath	III Yr	Aagama, Aunrag Group of Institutions, Hyderabad	March 19- 20, 2015	II Prize
35	Technical Quiz	V Anjani Kumar	III Yr	Aagama, Aunrag Group of Institutions, Hyderabad	March 19- 20, 2015	II Prize
36	Technical	Ruchika Sharma	III Yr	Aagama, Aunrag Group of	March 19- 20,	II Prize

S.No	Event Name	Student Name	Year	Venue	Date	Awards
	Quiz			Institutions, Hyderabad	2015	
37	Mathmania	B Shivani	II Yr	Connaissance 2K15. JNTUH.	March 11- 12, 2015	Runner
38	Mathmania	G Siri Chandana	II Yr	Connaissance 2K15. JNTUH.	March 11- 12, 2015	Runner
39	Cultural Fest	P Sai Ram Sudeep	III Yr	VIBRANT WIZ, BVRIT, Narsapur	March 18, 2015	III Prize
40	Cultural Fest	A Kiran Kumar	III Yr	VIBRANT WIZ, BVRIT, Narsapur	March 18, 2015	III Prize
41	Cultural Fest	C Tanmai	III Yr	VIBRANT WIZ, BVRIT, Narsapur	March 18, 2015	III Prize
42	Cultural Fest	G Bhuvan Kumar	III Yr	VIBRANT WIZ, BVRIT, Narsapur	March 18, 2015	III Prize

**ANNEXURE-ECE-D**

**Details of Student Enrichment Programmes**

Sl. No.	Module Description	Any other contributory Inst./Industry	Duration	Resource persons	Target Audience	Uses
<b>Academic Year 2016-17</b>						
<b>Guest Lectures</b>						
1	Network Transformation & Road to 5 G	-	June 23, 2016	Mr. Vara Prasad Karamchedu, Director of Technical Solutions & Business Development, Award Solutions Inc., UK	3 <sup>rd</sup> & 4 <sup>th</sup> Yr. B.Tech ECE	
2	Electro Magnetic Interference and Compatibility	-	July 16, 2016	Mr. Sandeep Satav, Scientist-F, Group Head, EMI-EMC Technology Centre, RCI	3 <sup>rd</sup> Yr. B.Tech ECE	
3	Virtual Reality	-	Sept 2, 2016	Dr. T P Sasikumar, Former Space Scientist, Chairman - Shiksha	4 <sup>th</sup> Yr. B.Tech ECE	
4	Being a Smart Engineer	-	Sept 2, 2016	Dr. T P Sasikumar, Former Space Scientist, Chairman - Shiksha	3 <sup>rd</sup> Yr. B.Tech ECE	

Academic Year 2015-16						
Workshops						
1	CERTIFICATION COURSE ON Embedded System Design with Hands-on Experience	-	June 12-30, 2016	Mr. R.Vikas, Technical Director Mr. Sandeep, Technical Assistant Techno Tran Private Limited	III <sup>rd</sup> year ECE students	To facilitate for 3-2 Mini Project
2	Tech Expo 16 for Final Year Students	-	April 6, 2016	-	ECE	Practical Experience to the Students.
3	LabVIEW Workshop	-	Feb 25-26, 2016	-	IV ECE	To implement projects
4	Data Networking-Routing and Switching	-	Feb 22-24, 2016	Mr. T Anil Kumar, Manager, Vision Networks	2 <sup>nd</sup> & 3 <sup>rd</sup> Yr. B.Tech ECE	-
5	Applications of DSP/DIP using lab view.	INTELLO Global solutions	Sept 25-4-25, 2016	Mr. G.Karthik Mr. P.Vamshi Krishna Intello Global Solutions, Hyderabad.	IV-ECE	To develop test, control, and measurement applications
Guest Lectures						
1	Data Base Management Systems & Programming Concepts		Dec 18, 2016	<i>Dr.Jey Veerasamy. Erik Jonson School of Engg. &amp; Computer Science, The University of</i>	3 <sup>rd</sup> & 4 <sup>th</sup> Yr. B.Tech ECE	•

				<i>Texas at Dallas</i>		
2	IEEE and Professionalism		Feb 17, 2016	Dr. S C Bhargava, Ex. IEEE Chair, Hyderabad Section	IEEE Members & Non-Members	•
3	Awareness Program on Remote Sensing		Mar 15, 2016	Mr. M Suryanarayanan, Retd. Sc/Engr. "SE", NRSC, ISRO.	3 <sup>rd</sup> Yr. B.Tech ECE	•
<b>Academic Year 2014-15</b>						
<b>Workshops</b>						
1	Applications of DSP/DIP using lab view.	INTELLO Global solutions	Two days Sept 24-25, 2016	G.Karthik P.Vamshi Krishna	IV-ECE	To develop test, control, and measurement applications
<b>Guest Lectures</b>						
1	Circuit to System Level Practical Microwave Education	IEEE Hyderabad Section MTT/AP/EMI Society	One Day 27 Oct, 2016	Dr.S.K.Koul, IIT, Delhi	ECE Faculty	Design of Microwave circuits, components, and systems.
2	Applications of Signal Processing and Speech Processing.	---	One Day Sept 11, 2014	Dr. Anil Kumar Vuppala -IIT, Hyderabad	IV ECE	Application of digital signal processing principles and practices in speech

						signal processing domain. An emphasis was made on speech and image processing applications.
3	Antennas and Wave Propagation	---	One Day July 15, 2014	Prof.B. Hari Kumar Bandari Institute of Science & Tech.	III ECE	To design antennas like Yagi-uda and folded dipole.
<b>Academic Year 2013-14</b>						
<b>Workshops</b>						
1	One day project exhibition 'techexpo14'	-	March 1, 2014	-	2 <sup>nd</sup> , 3 <sup>rd</sup> 4 <sup>th</sup> year students	--
2	Five Day Workshop on "VLSI system design & programming"	IETE	February 18-22, 2014	Seer accadamy	IV Year ECE Students	To improve VLSI programming skills
3	Two Day Workshop on "PCB Design and Fabrication"	ISTE	December 27-28, 2013	PGP Electronics Pvt. Ltd.	II Year ECE Students	To Design PCB
<b>Guest Lecture</b>						
1.	<i>Pattern recognition application in digital image processing</i>	-	Feb 26, 2014	Dr.P.Narahari sastry Professor-ECE-CBIT	IV -ECE Students	Applications in digital image processing



2	<i>Recent Trends in Operating System</i>	--	Feb 04, 2014	Dr. K. Venugopal, Professor, GNI ST, Hyderabad	III-ECE Students	Operating Systems
3	ARDUINO Environment for Embedded System	--	Jan 24, 2014	Prof. C.R. Sharma, Dept. of ECE, SVIT, Hyderabad	III-Year ECE Students	AURDINO for Designing of Embedded System
4	Introduction to Digital Signal Processing	--	Jan 01, 2014	Dr. K. Subba Rao, HOD, ECE, CB IT, Hyderabad	IV-ECE Students	Introduction to Digital Signal processing
5	<i>Image Processing and Its Applications</i>	--	June 25, 2013	Dr. K. M. M. Rao, Formally Deputed Director, NRS C	IV B.Tech ECE Students	Advancement in Image Processing and usage.
6.	Focus on Initiating and enhancing Eco friendly Technology in Electronics Engineering	--	Dec 21, 2013	Dr. P. Mamatha NCCCM/BARC Hyderabad	II and IV ECE Students	Design and development of Eco friendly Electronic Systems.
7	Nano electronics & low power electronics	--	Dec 19, 2013	Dr. M. Jagadeesh Kumar IITD	III and IV ECE Students	To educate students in VLSI technology
8	Motivating Students in reaching Their Goals	--	Sept 17, 2013	Mr. Syed Noor, Md. Shakir, ETS, Hyd.	IV B.Tech ECE Students	To motivate students in reaching their goals.

**ANNEXURE-ECE-E:**

**NSS Activities Organized**

<b>S. No.</b>	<b>Date</b>	<b>Activity</b>
<b><u>Academic Year: 2016-2017</u></b>		
1	Jun 21, 2016	International Day of Yoga Celebrations was conducted by NSS Unit of GCET.
2	July 18-22, 2016	Imparting basic computer education and awareness of environmental safety mechanisms to the Govt School Children of Yadgarpally Village
3	Aug 7, 2016	Distribution of Stationary to Primary and high schools and motivating the school students for continuing the education.
4	Aug 11, 2016	“Telangana Harithaharam” an initiative by Govt. of Telangana for promoting tree plantation was conducted at GCET Campus
5	Sept 9, 2016	Dust free Hyderabad campaign was conducted at Secunderabad in association with Lokashemam Foundation and GHMC.
6	Sept 10, 2016	Awareness Campaign on Cancer and its Impact was conducted at GCET campus and Stem cells has been collected to support cancer patients
7	Dec 24, 2016	Sensitization Campaign on Digital India and Cashless Economy was held at Cheeryal Village.
<b><u>Academic Year: 2015-2016</u></b>		
1	July 27, 2015	Distribution of Stationary to Primary and high schools and motivating the school students for continuing the education.
2	Nov 7, 2015	Environmental Awareness programme was conducted by NSS Unit at GCET.
3	Dec 19, 2015	Blood donation camp was conducted by NSS Unit at GCET.
4	Jan 23, 2016	Dental camp was conducted for Cheeryal villagers and school children.
5	Feb 22-28 , 2016	Special Camp at Kolanupaka Village, Alair Mandal.
6	March 23, 2016	Health camp was conducted for cheeryal villagers at GCET.
<b><u>Academic Year: 2014-2015</u></b>		
1	July 31, 2014	Bachpan Bahavo– our students participated in ‘save children’ program at Necklace Road.
2	July 16, 2014	Distribution of Stationary to Primary and high schools and motivating the school students for continuing the education
3	Aug 18, 2014	Distribution of sports materials to Primary and high school students and deputing our PD and gave training in various sports and games
4	Sept 6, 2014	Conducted Computer training classes to High school students for 4 weeks duration by our CSE department faculty
5	Sept 5, 2014	Dental camp was conducted for Cheeryal villagers and school children
6	Oct 30, 2014	Swatchh Bharath – program as a part of clean and green environment was conducted.
7	Nov 14, 2014	Children Park equipment was provided to the Cheeryal Gram Panchayat and entertainment program was given to the kids of the village.

8.	Jan 14, 2015	Blood donation camp was conducted by NSS Unit at GCET
9.	March 27, 2015	Health camp was conducted for cherryal villagers at GCET

**ANNEXURE-ECE-F:**

**NEN Activities Organized**

<b>S. NO.</b>	<b>Name of the Event</b>	<b>Description</b>	<b>Date of the Event</b>	<b>Chief Guest/ Speaker</b>	<b>Location</b>
<b>ACADEMIC YEAR 2016-17</b>					
1	Team Leaders Recruitment (2016-17)	The previous team members were recruited as Team Leads by the E-Leaders	July 14, 2016	----- ---	GCET
2	Team Members Recruitments (2016-17)	The new members for the Idea Dimension NEN 2015-2016 batch were recruited. They were made to go through three rounds. A GD, JAM and Personal Interview rounds respectively	July 14, 2016	----- ---	GCET
3	Entrepreneurship awareness camp	Two students shortlisted by JNTUH to attend the workshop on Entrepreneurship awareness	August 30-31, 2016	----- ---	JNTUH
4	Young India Challenge	The CL, Young India Challenge is a country wide, innovative challenge where the student of the college will be tested against other enterprising youngsters from the country	September 6, 2016	Shiva Krishna  (CL Educate)	GCET
5	Induction Program	The Induction Ceremony was conducted for the new recruits of NEN Idea Dimension 2015-16.	September 13, 2016	Rahul Jain  (Founder, Easy Commute)	GCET

S. NO.	Name of the Event	Description	Date of the Event	Chief Guest/ Speaker	Location
<b>ACADEMIC YEAR 2015-16</b>					
1	Team Leaders Recruitment(2015-16)	The previous team members were recruited as Team Leads by the E-Leaders	July 16, 2015	----- ----	GCET
2	Team Members Recruitments (2015-16)	The new members for the Idea Dimension NEN 2015-2016 batch were recruited. They were made to go through three rounds. A GD, JAM and Personal Interview rounds respectively	July24-25, 2015	----- ----	GCET
3	Friendship Day Stall	All the Idea Dimension NEN members involved in making handmade greeting cards and friendship bands and arranged a sale for the same	July31, 2015	----- ----	GCET
4	Webinar1	The first webinar which was conducted by NEN for academic year 2015-16	August 31, 2015	----- ----	Online
5	Induction Program	The Induction Ceremony was conducted for the new recruits of NEN Idea Dimension 2015-16.	September 13, 2015	Mandakini Rao (Freelancer)	GCET
6	Wall Street	The event “Wall Street” was conducted by Archana Dash (TL of Creative Dept. ). The Event was targeted to improve the entrepreneurship	September 28, 2015	----- ----	GCET

<b>S. NO.</b>	<b>Name of the Event</b>	<b>Description</b>	<b>Date of the Event</b>	<b>Chief Guest/ Speaker</b>	<b>Location</b>
		skill of NEN members			
7	Entrepreneurship awareness camp	Two students shortlisted by JNTUH to attend the workshop on Entrepreneurship awareness	September 29-30, 2015	----- ----	JNTUH
8	My story Session	A guest talk on his life towards entrepreneurship	January 2, 2016	Arvind (Movie maker)	GCET
9	Cheeryal Survey	A survey in the village to provide self employment to an unemployed.	February 3, 2016	----- ----	Cheeryal Village
10	EWEEK 2016 Stock market	Investing virtual money and learning about the real stock market	February 15, 2016	----- ----	GCET
11	Pheonix	The participants were given issues related to business ventures and they had to analyze the issue and suggest idea for the company	February 15, 2016	----- ----	GCET
12	B-Mart	Stall for selling hand made jewellery	February 16, 2016	----- ----	GCET
13	B-Plan	Each group will have a pitch a new startup idea and elaborate on how much the budget would be	February 16, 2016	----- ----	GCET
14	Guest lecture	Guest lectures by entrepreneurs to boost up our e-cell members	February 16, 2016	L.Harsha Director of Agro pvt. Ltd.	GCET

S. NO.	Name of the Event	Description	Date of the Event	Chief Guest/ Speaker	Location
15	O captain my captain		February 17, 2016		GCET
16	Guest lecture	Guest lectures by entrepreneurs to boost up our e-cell members	February 17, 2016	Kaushik Director Spaceman and mamooth	GCET
17	Finicky Creations	Making something best out of waste material	February 18, 2016	----- ----	GCET
18	Smash Jam	It was one of a kind of event. This was the same old one minute JAM plus a twist of the smash	February 18, 2016	----- ----	GCET
19	Picture Perspective	An event designed to combine both caption writing and picture description	February 18, 2016	----- ----	GCET
<b>ACADEMIC YEAR 2014-15</b>					
1	2 Weeks FDP on Entrepreneurs hip	Faculty was trained on how to encourage entrepreneurship	June 23, 2014 – July5, 2014	----- -	JNTUH
2	Team Member Recruitments( 2014-15)	The new members for the Idea Dimension NEN 2014-2015 batch were recruited. They were made to go through three rounds. A GD, JAM and Personal Interview rounds respectively	July 26, 2014 - August 5, 2014	----- ----	GCET
3	Induction Ceremony	The Induction Ceremony was conducted for the new	August 7, 2014	Rahul Krishnan (Guinness)	GCET

S. NO.	Name of the Event	Description	Date of the Event	Chief Guest/ Speaker	Location
		recruits of NEN Idea Dimension 2014-15.		World Record Holder)	
4	Webinar 1	The first webinar which was conducted by NEN	August 20, 2014	Dr. Rosa	ONLINE
5	NEN Faculty Leaders Consulting Meet	1 <sup>st</sup> NEN Faculty Leaders Consulting Meet	August 21, 2014	Vishnu Priya	kasturbha Gandhi College
6	Webinar 2	The second webinar conducted by NEN	September 16, 2014	Rhadika Meenakshi	ONLINE
7	Ad Making	It was a perfect blend of team work and creativity	September 18, 2014	----- --	GCET
8	Smash JAM	It was one of a kind of event. This was the same old one minute JAM plus a twist of the smash	September 20, 2014	----- ----	GCET
9	Stock Market Basics	It was a workshop on a competition called stock market to be played with a dummy stock market using a blog	September 24, 2014	----- ----	GCET
10	NEN Mart	This was a sale of handmade jewellery, cup cakes, homemade candles	October 16, 2014	----- ----	GCET
11	NEN Faculty Leaders Consulting Meet	3 <sup>rd</sup> NEN Faculty Leaders Consulting Meet	October 28, 2014	Vishnu Priya	Muffakham jha College



S. NO.	Name of the Event	Description	Date of the Event	Chief Guest/ Speaker	Location
12	Swachh Bharath	Students took part in Clean India mission	October 28, 2014	----- -----	Neredmet
13	Tata First Dot Workshop	Workshop about Tata First Dot	October 29, 2014	Vishnu priya and Radhika Meenakshi	Vasavi college of Engineering
14	E-Week	Several competitions held in the week  -Ad making  -Idea of the day  - Business Idea	Feb 23-28 , 2016	----- -----	GCET
15	<p>Start Up:</p> <ol style="list-style-type: none"> <li><b>Go Crazy to Capture: Final Year and Third year</b> Students capture videos and pictures, which are displayed and marketed in different means .</li> <li><b>Padmaja Bakery:</b> A Student of third year (IT) has her own bakery running with different types of eatables.</li> <li><b>Team: Campus Company:</b> A group of students who are indulged in designing websites for different companies.</li> </ol>				

# Evaluative Report of Electrical and Electronics Engineering (EEE) Department

1. **Name of the department and its Year of Establishment:** ELECTRICAL AND ELECTRONICS ENGINEERING, 2005

2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): During the four Assessment Years (AY13-14 to AY16-17)**

UG – B. Tech: Electrical and Electronics Engineering

PG – M. Tech: Power Electronics (Started in 2014)

3. **Interdisciplinary courses and departments involved:**

For the current academic year 2016-17, the interdisciplinary courses and departments involved are listed as below.

S. No	Course Name	Year and Semester	Course offered by the Department
1	English-I	I - I	Humanities and Social Sciences
2	Engineering Physics	I - I	Humanities and Social Sciences
3	Mathematics – I	I - I	Humanities and Social Sciences
4	Engineering Chemistry	I - I	Basic Sciences
5	Computer Programming – I	I - I	Computer Science and Engineering
6	Engineering Drawing	I - I	Mechanical Engineering
7	English-I Lab	I - I	Humanities and Social Sciences
8	Engineering Chemistry Lab	I - I	Basic Sciences
9	Computer Programming – I Lab	I - I	Computer Science and Engineering
10	Engineering Physics Laboratory	I - I	Humanities and Social Sciences
11	English-II	I - II	Humanities and Social Sciences
12	Semiconductor Physics	I - II	Basic Sciences
13	Mathematics – II	I - II	Basic Sciences
14	Mathematics – III	I - II	Basic Sciences
15	Computer Programming – II	I - II	Computer Science and Engineering
16	English-II Lab	I - II	Humanities and Social Sciences

17	Semiconductor Physics Lab	I - II	Basic Sciences
18	Computational Mathematics Lab	I - II	Basic Sciences
19	Computer Programming – II Lab	I - II	Computer Science and Engineering
20	Engineering Workshop (EWS) / Information Technology Workshop (ITWS)	I - I	Mechanical Engineering/ Computer Science and Engineering
21	Complex Variables	II - I	Basic Sciences
22	Fluid Mechanics and Hydraulic Machinery	II - I	Mechanical Engineering
23	Switching Theory and Logic Design	II - I	Electronics and Communication Engineering
24	Fluid Mechanics and Hydraulic Machinery Lab	II - I	Mechanical Engineering
25	Advanced English Communication Skills Lab	II - I	Humanities and Social Sciences
26	Environmental Studies	II - II	Humanities and Social Sciences
27	Gender Sensitization	II – II	Humanities and Social Sciences
28	Microprocessors and Microcontrollers	III – I	Electronics and Communication Engineering
29	Human values and Professional Ethics – Open Elective	III – I	Humanities and Social Sciences
30	Intellectual Property Rights – Open Elective	III – I	MBA
31	Microprocessors and Microcontrollers Lab	III – I	Electronics and Communication Engineering
32	Logical Reasoning	III – I	Humanities and Social Sciences
33	Digital Signal Processing	III – II	Electronics and Communication Engineering
34	Embedded Systems	III – II	Electronics and Communication Engineering

35	Supply chain management – Open Elective	III – II	MBA
36	Knowledge management – Open Elective	III – II	Computer Science and Engineering
37	Embedded Systems Lab	III – II	Electronics and Communication Engineering
38	Soft skills laboratory	III – II	Humanities and Social Sciences
39	Management Science	IV – I	MBA
40	Foreign Language – Open Elective	IV – I	Humanities and Social Sciences
41	Banking and Insurance – Open Elective	IV – I	MBA
42	Disaster Mitigation and Management	IV – I	Civil Engineering
43	Project and Financial Management	IV – II	MBA
44	VLSI Technology	IV – II	Electronics and Communication Engineering
45	Entrepreneurship – Open Elective	IV – II	MBA
46	Actuarial Science – Open Elective	IV – II	Humanities and Social Sciences
47	Anthropology – Open Elective	IV – II	Humanities and Social Sciences

**4. Annual/ semester/choice based credit system:**

**UG Program:**

Academic Year	Program	Is under affiliation/ Autonomous	Academic Regulation	Annual/ Semester/ CBCS	Remarks
2013-14 and 2014-15 admitted Batches	B. Tech (EEE)	Affiliated	R13 of JNTUH	I-yr. Annual, II, III, IV Yr- Semester System	-
2015-16 admitted Batch	B. Tech (EEE)	Affiliated	R15 of JNTUH	I-yr. Annual, II, III, IV Yr- Semester System	Only Regulations changed; but the Syllabi remains same as that of R13
2016-17 admitted Batch	B. Tech (EEE)	Autonomous	AR16	Semester and Choice Based Credit System	Became UGC Autonomous w.e.f. academic year 2016-17

**PG Program:**

Academic Year	Program	Is under affiliation/ Autonomous	Academic Regulation	Annual/ Semester/ CBCS	Remarks
2014-15 admitted Batches	M.Tech (PE)	Affiliated	R13 of JNTUH	Semester	-
2015-16 admitted Batch	M.Tech (PE)	Affiliated	R15 of JNTUH	Semester and Choice Based Credit System	-
2016-17 admitted batch	M.Tech (PE)	Autonomous	AR16	Semester and Choice Based Credit System	Became UGC Autonomous w.e.f. academic year 2016-17

**5. Participation of the department in the courses offered by other departments:**

(a) As per AR16 (Autonomous)

S.No	Program UG /PG	Department	Courses offered by the Department
1	B.Tech	Electronics and Communication Engineering	7. Electrical Circuits and Electrical Technology 8. Industrial Safety and Hazards
2		Computer Science and Engineering	2. Basic Electrical Engineering 3. Basic Electrical Engineering Lab 4. Industrial Safety and Hazards 5. Energy Conservation and Management
3		Mechanical Engineering	1. Basic Electrical and Electronics Engineering 2. Basic Electrical and Electronics Engineering Lab 3. Industrial Safety and Hazards 4. Energy Conservation and Management
4		Civil Engineering	1. Basic Electrical and Electronics Engineering 2. Industrial Safety and Hazards 3. Energy Conservation and Management

(b) As per R15 and R13 (JNTUH)

S.No	Program UG /PG	Department	Courses offered by the Department
1	B.Tech	Electronics and Communication Engineering	10. Electrical Circuits 11. Principles of Electrical Engineering 12. Electrical Technology Lab 13. Control Systems
2		Computer Science and Engineering	4. Basic Electrical Engineering <u>Electrical part of the following course</u> 5. Electrical and Electronics Engineering Lab
3		Mechanical Engineering	<u>Electrical part of the following two courses:</u> 3. Electrical and Electronics Engineering 4. Electrical and Electronics Engineering Lab
4		Civil Engineering	<u>Electrical part of the following course:</u> 2. Electrical & Electronics Engineering

**6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors):**

Designation	Sanctioned	Filled
Professors	2	2
Associate Professors	4	4
Assistant Professors	16	16

**7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./ M. Phil. etc.):**

S. NO	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	Dr. Sudha Radhika	Ph.D	Professor & HOD	Wind Engineering	11.5
2	Dr.T.Rajash ekhar	Ph.D	Professor	WA	14
3	N.Venkata Bharadwaj	M.Tech, MBA	Assoc. Prof	Industrial Drives & Control	15
4	G.Srikanth	M.Tech	Assoc. Prof.	Power Electronics & Industrial Drives	12
5	D.Radhika	M.Tech.	Assoc. Prof.	Power Systems	16
6	K.Mahender	M.Tech	Assoc. Prof.	Power Systems	8
7	Voleti Padmaja	M.Tech	Asst. Prof.	Power Electronics	6
8	N.Santhinath	M.Tech	Asst.Prof.	Power Systems	8
9	Azra Zaineab	M.Tech	Asst. Prof.	Power Systems	11
10	B.Ramesh Babu	M.Tech	Asst. Prof.	Power Systems	5
11	S.Poornachander Rao	M.Tech	Asst.Prof.	Power Systems	6

12	T. Pooja Rani	M.Tech	Asst. Prof.	Power Systems	6
13	M. Pradeep	M.Tech	Asst. Prof.	Power Systems	3.5
14	V. Rakesh	M.Tech	Asst. Prof.	Power Systems	1
15	Manjul Khare	M.E	Asst. Prof.	Power Systems	5.9
16	Soumi Datta	M.Tech	Asst. Prof.	Power Systems	1
17	E.Hima Bindu	M.Tech	Asst. Prof.	Power Electronics & Industrial Drives	9
18	P. Rajender	M.Tech	Asst. Prof.	Power Engineering and Energy Systems	6
19	Naga Raju	M.Tech	Asst. Prof.	Electrical Power Systems	3
20	S. Archana	M.Tech	Asst. Prof.	Power Electronics and Electric Drives	Nil
21	Gouse Bhasha	M.Tech	Asst. Prof.	Electrical Power Systems	Nil
22	Prashant	M.Tech	Asst. Prof.	Power Electronics	Nil

**8. Percentage of classes taken by temporary faculty – programme-wise information: NIL**

**9. Program wise Student -Teacher Ratio**

Program/Course	Total faculty members	Students	Student : Faculty
B. Tech	19	180	9.47:1
M. Tech	3	36	12:1

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled.**

S.No	Designation	Sanctioned	Filled
1	Academic Support Staff	5	6
2	Administrative Staff	2	2



**11. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received: NIL**

**12. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL**

**13. Research facility / Centre with**

- **State recognition:** NIL
- **National recognition :** Recognized as R&D Center by DSIR (SIRO), Govt. of India (F.No. 11/532/2011-TU-V).
- **International recognition:** NIL

**14. Publications :**

- \* Number of papers published in peer reviewed journals (national / international)
- \* Monographs
- \* Chapter(s) in Books
- \* Editing Books
- \* Books with ISBN numbers with details of publishers
- \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- \* Citation Index – range / average
- \* SNIP
- \* SJR
- \* Impact factor – range / average
- \* h-index

#### **Summary Report of Publications**

S. No.	Publication Type: Peer reviewed Journals (national/ international)	Total Number			
		2016-17	2015-16	2014-15	2013-14
1	International Journals	-	6	6	1
2	International conferences	1	3	5	2
3	National Conferences	1	-	4	4

For details on specific Research Publications published/presented in Journals and/or Conferences please refer to ANNEXURE-EEE-A.

**15. Details of patents and income generated:** NIL

**16. Areas of consultancy and income generated:** NIL

**17. Faculty recharging Strategies:**

- GCET regularly invites faculty experts of repute from institutes of higher learning such as: NIT Warangal, IIITH, Osmania University, JNTUH, JNTUK and so on to deliver Expert lectures on a various topics to strengthen the faculty members' instructional skills.
- The faculty are encouraged to conduct and attend FDP's, Workshops, Seminars, Refreshment courses to update new and/or emerging technologies in addition to those for strengthening teaching skills in the current subjects being taught. The institute offers necessary grants and infrastructure for the above. However, for the conduct of a Seminar Institute received grants, as indicated below, from AICTE, New Delhi

Funding Agency	Title	Grants Received	Duration
AICTE, AQIP	Seminar Grant on "Application of FACT devices and Artificial Intelligence in Modern Power System"	Rs. 1 Lakh	1 weeks

- The period of absence of the faculty member at GCET for attending such FDPs is being treated as "ON DUTY"
- Also GCET, on a case to case basis, bears the registration fee for attending the such FDPs/workshops/training sessions and so on. Please refer the table in ANNEXURE-EEE-B which provides a listing of the faculty who attended such FDP's, Workshops, training sessions or refresher courses for the last three academic years i.e., AY 2016-17, AY2015-16 and AY 2014-15.
- To promote and inculcate a research environment in the department, Eminent professionals are recruited in various areas: Microwave Engineering, Electronic

instrumentation and medical informatics, Digital Image Processing, Microwave Antennas, GPS and wireless Positioning technologies etc.,...

- The Department and the GCET, Hyderabad, administration encourages
  - i. Its faculty to register and pursue Ph.D. Degree. A list of faculty pursuing Ph.D. is as in the table given below:

S. No	Faculty Name	Designation	Area of Specialization	University and Year of Registration	Expected year of completion
1	D Radhika	Associate Professor	Power Quality	JNTU 2009	2017
2	G.Srikanth	Associate Professor	Power Electronics	JNTUH 2012	2018
3	N V Bharadwaj	Associate Professor	Power Electronics	JNTUK 2015	2019
4	S.Poorna Chander Ro	Assistant Professor	Switch Gear and Protection	JNTUH 2016	2020

- j. Its faculty to work on topics related/in extension to the already completed Research Projects.
- k. a formal Faculty mentee – Faculty mentor system to strengthen and improve the teaching-learning pedagogy for both the UG and PG students

#### 18. Student projects

- Percentage of students who have done in-house projects including inter departmental/ Programme: 75%
- Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: 25% (In Govt. Organizations like BHEL, ECIL, NSIC etc.,)

#### 19. Awards / recognitions received at the national and international level by

##### Faculty:

1. Dr. S Radhika → a) Recipient of Global COE (GCOE) funding from Japan Government (2009-2012) for Doctoral Studies at Tokyo Polytechnic University Japan, b) M.Tech Gold Medalist, Amrita Vishwa Vidyapeetham &

##### Doctoral / post doctoral fellows: Nil

**Students:**

(E) Merit Scholarship:

- The scholarship is provided to the topper in branch for all years of students.
- The following are details of EEE students who received Shri Raja Reddy Memorial Scholarship (from M/s. Teja Educational Society):

**❖ 2015-16**

Sl. No	Branch	Roll Number	Name of the Student	Percentage (%)	Rank	Prize Money (Rs)
1	I Year	15R11A0243	N B NARAYANAN	80.90	First	5000
		15R11A0247	R VARSHASREE	78.4	Second	4000
2	II Year	15R15A0202	P HARIKA	74.7	First	5000
		14R11A0218	G SHARANYA	69.2	Second	4000
3	III Year	13R11A0214	G SUNIL KUMAR	72	First	5000
		13R11A0233	M DEEPAK REDDY	71.6	Second	4000
4	IV Year	12R11A0209	B HARSHA	78.97	First	5000
		12R11A0211	KRISHNA DATTA	78.5	Second	4000

**2012 -16 BATCH TOPPERS IN I YEAR**

Sl. No	Branch	Roll Number	Name of the Student	Percentage (%)	Prize Won	Prize Money (Rs)
1	EEE	12R11A0216	GORTHY YESASWINI	82.90	II Prize	3000
2	EEE	12R11A0209	BHAMIDIPATI SRI HARSHA	87	I Prize	7000

**2011-15 BATCH TOPPERS IN II YEAR**

Sl. No	Branch	Roll Number	Name of the Student	Percentage (%)	Prize Won	Prize Money (Rs)
1	EEE	11R11A0213	ELEMASETTY UDAY KIRAN	73.5	II Prize	3000

2	EEE	11R11A0216	GAJULAPATI RAJINI	75	I Prize	7000
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**2010-14 BATCH TOPPERS IN III YEAR**

Sl. No	Branch	Roll Number	Name of the Student	Percentage (%)	Prize Won	Prize Money (Rs)
1	EEE	10R11A0214	DIVAKARAN HARI HARAN	79.01	II Prize	3000
2	EEE	10R11A0223	ILLA PRANAYA BHASKER	79.86	I Prize	7000

**2009-13 BATCH TOPPERS IN IV YEAR**

Sl. No	Branch	Roll Number	Name of the Student	Percentage (%)	Prize Won	Prize Money (Rs)
1	EEE	09R11A0204	B LALITHA	86.05	II Prize	3000
2	EEE	09R11A0201	A NAGA SRAVYA	89.06	I Prize	7000

(F) Awards received by the students for the participation in the events organized by Other Universities/ Colleges/ Institutes:

- **A.Naga Sravya - EEE (R.No: 09R11A0201)** – 89.06 % has secured first rank in third year among all affiliated **JNTUH** colleges.

S.No.	Event	No. of Students Achieved Prizes		
		Academic Year:2016-17	Academic Year:2015-16	Academic Year:2014-15
1	Paper presentation	5	2	2
2	Projects presentation	-	4	1
3	Poster presentation	-	2	1
4	Cultural Events	2	-	-
<b>Total</b>		<b>7</b>	<b>8</b>	<b>4</b>

Please refer **ANNEXURE-EEE-C** for more details

**20. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any:**

<b>S.No</b>	<b>Seminars/ Conferences/Workshops organized</b>	<b>Dates conducted on</b>	<b>Funding Agency</b>
<b>Workshops</b>			
1.	Design and Implementation of Electrical and Electronic Module (Multi Utility Timer Applications)	March 16-17, 2015	GCET
2.	Design of Solar Energy PV Systems	September 25-26, 2015	GCET
3.	MATLAB	January 28-30, 2014	GCET
4.	Outcome based Engineering Education for Enhanced Employability	January 25, 2013	GCET
5.	Motivating students in reaching their goals	September 10, 2012	GCET
<b>Seminars ( Guest Lectures)</b>			
1	Atoms in the Service of the Nation	March 14, 2016	GCET
2	Introduction to BHEL Hyderabad Plant and Real time Quality Control Checks on Electrical Machines	August 12, 2015	GCET
3	Corporate Communication and Interpersonal Skill Techniques for Budding Engineers	August 13, 2015	GCET

4	Introduction to Smart Grid Technologies	January 29, 2015	GCET
5	Energy Auditing Methods to resolve power disturbance issues	January 27, 2015	GCET
6	Recent Trends in Transducers and its applications	January 10, 2015	GCET
7	Reliability Engineering and applications to Electrical Power Systems	January 7, 2015	GCET
8	Fundamentals of Electrical and Electronics Engineering	September 23, 2014	GCET
9.	Modeling and Simulation of Power Electronics and Electrical Drives using CASPOC and VISSIM software in Embedded System	February 17, 2014	GCET
10	Transducers and their industrial application	September 27, 2013	GCET
11	Traction Motors	September 20, 2013	GCET
12	Design and Testing of Transformer	March 3, 2013	GCET
13	Field Aspects of Electrical Engineering	September 26, 2012	GCET
14	Awareness for Employability and Enhancing skills for employability	August 17, 2012	GCET

**21. Student profile course wise:** Profile of the students in various programs as in Q. No.2 is as given below. It may kindly be noted that the admissions are made based on the EAMCET ranks and the allotments are made by the Convener, EAMCET until the quota of seats are filled.

Hence, in the table below, instead of **the number of received applications**, stated is **the Sanctioned Intake** each UG or PG batch Year-wise

A) B.Tech (UG)

Name of the Course	Sanctioned Intake	Students Joined/Admitted		Pass percentage	
		Male	Female	Male	Female
2012-16	60	40	15	50	47.05
2011-15	60	40	15	85	95.45
2010-14	60	34	26	86	100
2009-13	60	39	21	71.8	95.45

B) M.Tech – Power Electronics (PE)

Name of the Course	Sanctioned Intake	Students Joined/Admitted		Pass percentage	
		Male	Female	Male	Female
2014-16	18	11	3	36.36	66.67

**22. Diversity of Students:**

Year of admission	Name of the program	% students from the same state	% students from the other state	% of students from abroad
2015-16	B.Tech (EEE)	100%	0%	0%
2014-15		100%	0%	0%
2013-14		100%	0%	0%
2012-13		100%	0%	0%



2015-16	M.Tech (PE)	100%	0%	0%
2014-15		100%	0%	0%

**23. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.**

Sl. No	Name of the Competitive Exam	2012-2016	2011-2015	2010-2014	2009-2013	2008-2012
1	GATE	-	1	1	1	1
2	CAT / GRE	2	11	8	13	10
3	TOEFL / GMAT	-	-	1	1	1
4	Any other competitive exams (give details)	1 (PG-CET)	1 (PG-CET)	3	2	4
	<b>Total</b>	3	13	6	11	13

**24. Student progression:**

Student Progression	Percentage against enrolled				
	2016-17	2015-16	2014-15	2013-14	2012-13
UG to PG	NA	3	18	21.6	35.4
PG to M.Phil	NA	NA	NA	NA	NA
Employed					
• Campus Selection	17	63.33	29	55	20.8
• Other than Campus Recruitment	NA	5	5	16.67	18.75
Entrepreneurship/ Self-employment	-	-	-	-	-

## 25. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	81.8 (18 out of 22)
From other universities within the state	4.5 (1 out of 22)
From other universities from other states	13.63(3 out of 22)

## 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

A) Mr. T. Rajasekar Ph.D in December 2015

## 27. Present Details about Infrastructural facilities:

### a) Department Library

No. of Titles	No. of Volumes	No. of Computers with printer & internet facility	Library Plinth Area
211	280	1	14sqm

### b) Internet facilities for Staff & Students

All the Staff and Students are provided with internet facility in the department.

#### Internet Service Providers:

1. Vainavi Communication (P) Ltd - (48 Mbps)
2. Excel Media (P) Ltd - (16 Mbps)

### c) Total No. of class rooms: 6(UG) + 1(PG)

### d) Class rooms with ICT facility

An exclusive fully equipped E-class room is available to conduct ICT lectures. Apart from that any class room can be provided with ICT facility with the exclusive LCD projector and Laptops available in the department. Also the Seminar Hall is equipped with LCD projector.

### e) Students' Laboratories

The Department has 12 Exclusive and 5 Shared laboratories to serve the teaching and research needs of the students and faculty of the Department. All systems in computer Lab are connected to the Departmental LAN which is a part of the Institute wide area network.

**Table: Lab Details of EEE Department**

Sl. No	Location	Name of the Lab	Exclusive/ Shared	Size (Sq.mm)	Major Equipment
1	G – 01 to G – 04	Electrical Machines – I Laboratory	Shared	263	DC Electrical Machines, Lamp Load Bank, AC-DC Rectifier/Controller, Metering Equipment, AC Electrical Machines, 1 Phase and 3 Phase Resistance load banks, Lamp Load Bank, Metering Equipment
2	G - 05	Electrical Engineering Laboratory	Exclusive	107	AC Machines & DC Machines, 1-Phase and 3-Phase Resistance load banks, Metering Equipment
3	G – 13	Basic Electrical Engineering lab	Exclusive	81	AC Machines & DC Machines, 1-Phase and 3-Phase Resistance load banks, Metering Equipment
4	G – 14	Electrical Measurements Laboratory	Exclusive	105	HV oil Testing Kit, Potential Transformer Testing, Current Transformer testing, LVDT, Strain Gauge, DC Potentio meter Bridges, Variac, Inductive Loads
5	N – 212	Power Electronics lab	Exclusive	66	Half, Semi and Full Converters, Dual Converter, Inverter, Voltage Controller kits, R load, L load
6	N – 213	Control Systems Lab	Exclusive	66	Synchros, Transfer Function of DC generator and motor, PLC, Magnetic Amplifier, AC Servo, DC servo
7	N – 214	Signals and Systems Lab	Exclusive	66	Computers, Octave Software 4.0.3
8	N – 215	Field Theory and Circuits Laboratory	Exclusive	66	Hardware : Stabilizer , Function generator-05, DRB-10, DIB-10, DCB-10, Digital trainer kits, Auto Transformers

f) **Research laboratories:** Nil

**28. Number of students of the department getting financial assistance from college:** Nil

- Geethanjali College of Engineering and Technology is providing Scholarships to Students for their proven academic excellence.
- Raja Reddy Memorial Award for academic excellence is given to the topper in each branch for all years of students.

Name of Agency	No. of Students Received Financial Assistance			
	2016-17	2015-16	2014-15	2013-14
Management of GCET (Sponsored by Teja Educational Society)	-	6	3	3

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology:** NIL

**30. Does the department obtain feedback from**

- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**
- b. **students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**
- c. **alumni and employers on the programmes and what is the response of the department to the same?**

-Yes. Following may be noted with respect to the above three aspects a, b and c:

- Department shares the feedback received from students, peers and seniors regularly with the concerned faculty on various aspects such as: Punctuality, Regularity, Class Control, Students' ability to understand topics covered, weekly coverage of the syllabus by the faculty, Marks secured by students in each subject, Course End Survey as how the faculty handled the course and how far the subjects taught met the course outcomes and so on.
- In addition to the above every faculty is attached to a senior faculty to enable him/ her learn to enhance teaching-learning techniques of a subject.
- If the measured course outcomes average is found unsatisfactory, suitable steps are taken to enhance the course outcome average measurements of the subsequent semester by focusing more on such subjects who contribute to poor / unsatisfactory performance via monitoring by HoD.

- Upon providing enough opportunity for the faculty to improve via faculty mentoring process, it is ensured that the faculty performance is improved year after year. In spite of all the above efforts and in the worst case event if non improvement of the faculty's performance, the faculty concerned will be asked to sever his services with the institute.
- Based on the feedback received from the Alumni on the course curriculum, as and when needed JNTUH is informed of the same to make relevant changes, if it deems fit. From 2016-17 onwards, in view of UGC Autonomy, the department proposes changes to the curriculum appropriately based on Alumni feedback.

**31. List the distinguished alumni of the department (maximum 10)**

The following are the alumni who are regularly visiting the college giving their feedback for the future development of the college

S.No.	Name of the Alumni	Batch	Studying/Working with
1	A. Naga Sravya	2013	Purdue University
2	A.Manikanta	2013	INFOSYS
3	P. Murali Akhil	2013	TS GENCO
4	B.Anirudh	2014	COGNIZANT
5	B.Rajaram	2014	INDUSTRY ARC
6	P.Shalini	2014	COGNIZANT
7	P.Vineela	2014	GENPACT
8	Sreenath. M	2015	CAP GEMINI
9	B.Sri Harsha	2016	INFOSYS
10	K.Shruthi	2016	TECH MAHINDRA
11	T.Sai Krishna	2016	TECH MAHINDRA

### 32. Details of student enrichment programmes (special lectures / workshops / seminar) with external experts

Department conducted student enrichment programmes (special lectures / workshops / seminar) with external experts as summarized below:

S.No.	Event Name	Number in an Academic Year			
		2016-17	2015-16	2014-15	2013-14
1	Seminars / Guest Lectures	3	5	3	3
2	Workshops	1	2	1	2

Please refer ANNEXURE-EEE-D for more details.

### 33. Teaching methods adopted to improve student learning

- Visual teaching methods like OHP sheets, video lectures, NPTEL lectures, Youtube videos etc.
- Faculty members prepare Course files & lecture notes for all subjects
- Industrial and site visits are arranged regularly for students to expose them to latest technology.
- Department conducts course specific guest lectures by experts.
- Students are provided with exclusive internet facility in digital Library to upgrade their knowledge.
- The Institution offers digital Library and departmental libraries which can be made use of by students to enhance their knowledge.
- Students are encouraged to conduct and participate in technical events involving design, analysis and modeling of Electrical Systems.
- Students are given Assignments, encouraged to participate in Group Discussions for better understanding of the course topics.
- Tutorial classes are conducted in all subjects with a view to have a clear understanding of the complex concepts.
- During regular sessions, the students are trained in college for campus recruitments through a program called CRT ( Campus Recruitment Training) and at present these classes are conducted by Triumphant Institute of Management Education (TIME) Hyderabad.

- Institute periodically conducts technical events like BHASWARA, ELECTRICA etc., for the students to familiarize with the contents beyond curriculum.
- The students are encouraged to become members of student chapters of IEEE, IETE, ISTE and students get exposed to advanced technologies through seminars workshops etc., conducted by them.
- Students are motivated to give seminars on contemporary technical topics.
- Students are encouraged to participate in Paper Presentations, Project Presentations, Workshops and National Seminars.
- Students are allowed to do mini projects and major projects making use of the college infrastructure and also are encouraged to take-up internship in reputed organizations.
- National and International Technical Journals are available in the Library to upgrade their knowledge and skills.
- Organizing Seminars, workshops, Technical Quizzes, and Guest lectures.
- Development of student support material for poor learners and enthusiastic learners.
- Formulation of cooperative learning groups to improve peer group interaction.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Program Objectives, often referred to as Program Educational Objectives (PEOs) are communicated to the students along with the learning outcomes. To ensure the attainment of PEOs and learning outcomes, the following measures are taken:

From the objectives articulated, using Bloom's Taxonomy,

1. Faculty specify a clear set of outcomes that all students shall achieve.
2. Faculty select, from the set of outcomes, those that should be given top priority. These are the learning outcomes that will be of most value to the students and are taught in a way that the students can comprehend with ease.
3. Faculty provide examples to students of what they will be able to do when they have achieved those outcomes.
4. Few additional extension outcomes provide some students with a much deeper understanding of the issues being studied.

5. Faculty teach detailed prerequisites that students must master before attempting to achieve each new outcome and ensure the same through several assessment methods.
6. Faculty plan and use several different teaching strategies that help students achieve the desired learning outcomes.
7. A variety of direct assessment methods comprising tests, assignments, homework problems, tutorial sessions, guided practice/laboratory sessions, etc provide both the teacher and the students with feedback on their progress towards the achievement of learning outcomes.

### **Direct Assessment Methods**

- Course-related assessment
  - ✓ Assignments / Projects
  - ✓ Case Studies
  - ✓ Classroom Assessment including Tutorials
  - ✓ Quizzes
  - ✓ Probing during and after lecture
  - ✓ Course-embedded Questions and Assignments
  - ✓ Essays
  - ✓ Theses, research and publications
- Presentations/Seminars, if any
- Standardized assessments (Internal Tests, End Exams)
- Other
  - ✓ Transcript analysis
  - ✓ Placement record of graduates

In addition, indirect assessment methods are also used, which are listed below.

### **Indirect Assessment Methods**

- Institutional and Program Surveys
  - Alumni Surveys
  - Employer Surveys
  - Graduating Seniors and Graduate Surveys
  - Student Satisfaction Surveys



■ Other

- Focus groups
- Interviews (faculty members, graduating students, alumni)

These outcome based course assessment and evaluation tools are a combination of the following:

1. Tutorials
2. Homework assignments
3. Quizzes
4. Exams (Internal Assessment tests, University End semester exams)
5. Class attendance and participation in class
6. Laboratory experimentation and laboratory written reports
7. Design Project, its written report and oral presentation
8. Computer simulation using C, MATLAB, ANSYS, etc
9. Prototype development, if any
10. Major project and teamwork
11. Course assessment/end survey (by students)
12. Instructor's teaching performance evaluation (by students).

**Parameters for assessment of Project Work**

Students' design project performance should be evaluated based on written reports and oral presentations. The key elements that the student had to demonstrate in their design project include, but not limited to the following:

- a. Were the objectives and purpose clearly stated?
- b. Was the problem well defined?
- c. Was the project properly justified (Why?) (Scientific, economic, value addition?)
- d. Was the design, analysis and modelling understood?
- e. Was the approach taken reached as part of a selection process?
- f. Are the results technically and economically feasible?
- g. Effective conclusions / recommendations?
- h. Quality of the work or design.
  - ix. Was the content well organized?
  - x. Were there appropriate use of graphs, charts, board, audio-video, etc.
  - xi. Was the message clearly delivered?

xii. Was Teamwork evident in the design, implementation and presentation?

After having completed the exercise of assessment and evaluation of various outcomes, we need to map the following to check whether we have achieved our objective of providing outcome based education and to what extent.

- COs to POs and PSOs
- POs and PSOs to PEOs

Over and above the mapping of the above, we also obtain feedback from all stake holders on a periodical basis and we verify the attainment of the various outcomes.

- The level of understanding of the students is assessed by evaluating the assignments, internal examinations.
- Faculty use various other resources and teaching techniques which are heavily based on multimedia and assist students who do not master the required outcomes as quickly as other students.
- Mapping between the questions given in various assessment methods and course outcomes, course outcomes to program outcomes, program outcomes to PEOs ensures the desired attainment level of the students.
- Continuous progress of students is closely observed by mentor, and proper suggestions are given to the students based on their performance in class work and exams, for meeting the learning outcomes.
- Course coordinator ensures course requirements are met, program coordinator ensures the program requirements are met, which finally ensure that the learning outcomes are continuously monitored and finally the programme objectives are met.
- At the end of every semester, for each course, Course End Survey is carried out regularly with special emphasis on course outcomes. The same is being analyzed from time to time and necessary steps are being taken to meet the learning outcomes, program outcomes, and program objectives in the subsequent semesters.
- Every year various instruments are used to monitor to ensure whether the objectives of the program are met. Few of the instruments are as listed below:
  - a. student surveys
  - b. informal interactions with students
  - c. assessment of coursework relevancy,

- d. interaction with alumni and industry,
- e. collaboration with various professional / engineering organizations.

Based on this evaluation, strengths, weaknesses and opportunities in the program are identified. The implementation of the correction process is closely monitored by the Program Assessment Committee, then by the departmental assessment committee, which finally offers its recommendations to the decision making bodies such as the Board of Studies of the department and the College Academic Council.

### 35. Participation in Extension activities

Major responsibility is taken by the NSS unit which was started in our college in the academic year 2008-09 with around 250 volunteers.

The following are NSS Coordinators from the Dept. of EEE

1. Mr. M. Pradeep, Assistant Professor

- The NSS unit of the college provides social and community service in the near by villages. The college has adopted the village in which the college is located. As part of this, several activities are conducted. A few of them are:
  - Blood Donation Camp
  - Health Camp
  - Dental Camp
  - Tree plantation

**Table: NSS Volunteers List of EEE Department**

S.No	Roll Number	Student Name
1.	14R11A0203	AVIRENI ARUNA KUMARI
2.	14R11A0206	BANDARI SHIVA SAI
3.	14R11A0209	BUSANI RAVALI
4.	14R11A0210	CHETTY GOUTHAMI
5.	14R11A0212	CHITIKELA ANISH REDDY
6.	14R11A0215	DHARAVATH ANIL NAIK
7.	14R11A0219	J ROHITH REDDY
8.	14R11A0220	K ABHILASH BABU
9.	14R11A0225	MINUKURI MAHESH REDDY

10.	14R11A0227	P TULASI
11.	14R11A0228	PALEPU AKHILA
12.	14R11A0229	PANJALA RAJU GOUD
13.	14R11A0236	SURINENI SAIKIRAN
14.	14R11A0237	THOLICHUKKA BUCHI RAJU
15.	14R11A0240	YELLETI AISHWARYA
16.	14R11A0241	YILLA SAI KUMAR
17.	15R15A0208	BINAMAINE PRANITH KUMAR
18.	15R15A0209	PATHLAVATH SRINU
19.	15R15A0210	KATTA VENKATA NIKHIL

- Around two hundred volunteers donated blood in each camp. The unit also organized a health camp to the benefit of villagers of Cheeryal village. Around 180 villagers were benefited by the camp. Books and stationery were collected from the staff and students of our college and were distributed to the students of Primary School, Harijanavada School of Cheeryal village. NSS volunteers planted trees in and around Cheeryal village.
- Providing required school material to the poor children.
- The Head Master of MP Primary School of Cheerayal and the Head Masters of the Anganwadi Primary school at Cheeryal requested us to provide note books, pencils, etc. for their school children. The students who are joining these schools are really very poor and it is truly a service to the society. The NSS activities pitched in from the past three years. Proper accounts are maintained under NSS wing of GCET for the above.

### **36. Give details of “beyond syllabus scholarly activities” of the department**

With an aim to promote scholarly activities beyond the regular curriculum the Department of EEE involves its students to participate in:

- Project Exhibition: conducted once a year - Students will make technical presentations via working and non-working models on topics of current significance and future trends
- BHASWARA-Technical Symposium: an Institute level event in which students participate in paper presentations, project demonstrations, poster presentations,

ELECTRICA, a project exhibition etc. The institution has a Career guidance committee which conducts awareness programs by inviting eminent personalities from various industries which provides a career guidance for the students.

- CRT (Campus Recruitment Training): The institute conducts CRT classes from second year onwards which trains the students in aptitude, verbal & logical reasoning, group discussions. It also helps to improve their personality development skills.
- BEC (Business English Certificate) and FL (Foreign Language): The institute provides an opportunity to the students to learn foreign languages and English certification course through BEC and FL classes. These classes are organized for 2<sup>nd</sup> and 3<sup>rd</sup> Years students.

**37. State whether the programme/ department is accredited/ graded by other agencies.**

**Give details.**

- B.Tech (EEE) program of the Department is accredited by NBA team in 2015 for a period of three years.

**38. SWOC analysis of the department and Future plans**

To determine and understand the strengths and weaknesses of EEE department, the senior faculty in the department conducted formal and informal surveys. The following details are the results of the survey:

**Strengths**

- Adequate experienced faculty
- Well-maintained laboratories
- Budding researchers
- Good in-house student projects
- Faculty Retention ratio is high

**Weaknesses**

- Lesser number of faculty with Ph.D at middle cadre
- Insignificant collaboration with industry
- Department is trying to establish research laboratory
- Less number of publications in UGC approved Journals

- Less familiarity among faculty on application oriented software namely, SCADA, MATLAB, etc

### **Opportunities**

- More number of power projects to come up in near future
- Increasing opportunities to pursue research
- Better placement opportunities in both public and private sectors
- Increasing opportunities in non-conventional energy sources
- Better opportunity for higher studies

### **Challenges**

- Growing demand for IT sector jobs
- Mushrooming growth of engineering colleges and increased in-take in long standing colleges and deemed universities
- Uplifting the academic standards of the students to meet industrial requirements, since, increased number of seats in colleges of long standing resulting in students with less motivation and with relatively low/poor ranks in the qualifying examination taking admission in the college.

### **39. Future Plans of the department:**

- To establish Center of Excellence in Power Systems Engineering
- To enhance R&D Activities.
- To achieve 100% placements
- To offer Academic and Career counseling for the students of the department and aim for enhanced pass percentage year by year.

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## ANNEXURE-EEE-A

### List of Faculty Publications for the academic year 2015-16:

S.No.	Name of the Faculty, Qualification & Designation	Details of Research Publications	Journals/Conferences (National/International)	Year of Publishing	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
1	D.Radhika M.Tech Assoc. Prof.	Improvement of Voltage Profile using ANFIS based Distributed Power Flow Controller	International Journal of Engineering Inventions	July 2015	Impact factor 3.152.
2	D.Radhika M.Tech Assoc. Prof.	A Novel Intelligent Controlling Technique for Distributed power flow Controller for Power Quality Improvement	International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)	July 2015	<i>Impact Factor 4.295,</i>
3	D.Radhika M.Tech Assoc. Prof.	Neural Network Based Distributed Power Flow Controller For Mitigating Voltage Sag and Swell in a Transmission System	2 <sup>nd</sup> International Conference on Innovations in Electrical and Electronics Engineering (ICIEEE-2015)	August 2015	
4	T.Pooja Rani M.Tech Assistant Professor	Generation and Utilisation of Electrical Energy using Sea water by Electrolysis Process	2 <sup>nd</sup> International Conference on Innovations in Electrical and Electronics Engineering (ICIEEE-2015)	August 2015	
5	G.Srikanth M.Tech,(Ph.D ) Assoc.Prof.	Maximum torque control of a single phase induction motor using neural networks	IJTES	September 2015	Impact factor-1.85
6	DrS.Radhika	Remote sensing	19 <sup>th</sup> NSSS' 2016	February	

	M.Tech, Ph.D Professor & HOD	images (RSI) for automatic detection of meteorological using texture-wavelet analysis		2016	
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**List of Faculty Publications for the academic year 2014-15:**

S.No.	Name of the Faculty, Qualification & Designation	Details of Research Publications	Journals/Conferences (National/ International)	Year of Publishing	Impact Factor
1	D.Radhika M.Tech Assoc. Prof.	Improvement of Voltage Profile of a Transmission System using D-Facts.	IOSR Journal Of Electrical and Electronics Engineering	April 2015	Impact Factor 3.26, Citation Report 61.3%.
2	D.Radhika M.Tech Assoc. Prof.	Implementation of FLC based DPFC for enhancement of power quality of a transmission system	IEEE conference , EESCO, conducted by Vignan college of engineering, Visakhapatnam	January 2015	
3	D.Krishna M.Tech Asst.Prof.	Design of Fuzzy logic controller for voltage stability condition in IEEE-14 Bus System	International Journal of Engineering Research and Applications	January 2015	
4	V.Padmaja M.Tech Asst.Prof	Design of Fuzzy logic controller for voltage stability condition in IEEE-14 Bus System	International Journal of Engineering Research and Applications	January 2015	
5	D.Krishna M.Tech Asst.Prof.	Design of Fuzzy logic controller for voltage	National Conference on Developments, Advances & Trends in	January 2015	



		stability condition in IEEE-14 Bus System	Engineering Sciences		
6	V.Padmaja M.Tech Asst.Prof	Design of Fuzzy logic controller for voltage stability condition in IEEE-14 Bus System	National Conference on Developments, Advances & Trends in Engineering Sciences	January 2015	
7	Dr S.Radhika M.Tech, Ph.D Professor & HOD	Applications of Remote sensing Images for Automatic Natural Disaster Location Identification	APAS Golden Jubilee Science Congress	November 2014	
8	Dr S.Radhika M.Tech, Ph.D Professor & HOD	Designing of flutter Power Generator from Green Power	National Conference on Wind Engineering	November 2014	
9	Dr S.Radhika M.Tech, Ph.D Professor & HOD	Cyclone damage detection on building structures from pre- and post- satellite images using wavelet based pattern recognition	Journal of wind Engineering and Industrial Aerodynamics	October 2014	<b>Citation Index: 5/66</b> <b>SCI index Impact factor: 2.280</b> <b>h-index: 5</b> <b>i10 index: 2</b>
10	N.Venkata Bharadwaj M.Tech,(Ph.D) Assoc.Prof	Three Phase Parallel Multilevel Inverter Fed Induction Motor Using POD Modulation Scheme	International Conference on Innovations in Electrical & Electronics Engineering	Sept 2014	
11	Azra Zaineb M.Tech Asst.Prof.	Design of Fuggy Logic Controller for automated Light Controller	International Conference on Innovations in Electrical & Electronics Engineering	Sept 2014	

12	D.Krishna M.Tech Asst.Prof.	Design of Fuzzy Logic Controller for automated Light Controller	International Conference on Innovations in Electrical & Electronics Engineering	Sept 2014	
13	B.V Hemanth Kumar M.Tech Assoc. Prof	Three Phase Parallel Multilevel Inverter Fed Induction Motor Using POD Modulation Scheme	International Conference on Innovations in Electrical & Electronics Engineering	Sept 2014	
14	V.Padmaja M.Tech Asst.Prof	Design of Fuzzy Logic Controller for automated Light Controller	International Conference on Innovations in Electrical & Electronics Engineering	Sept 2014	

**List of Faculty Publications for the academic year 2013-14:**

S.No.	Name of the Faculty, Qualification & Designation	Details of Research Publications	Journals/Conferences (National/International)	Year of Publishing
1	Y.Suresh babu M.Tech,(Ph.D) Assoc.Prof.	Improvement of Dynamic performance of AGC of Hydrothermal System employing capacitive energy storage and TCPS	International conference on Recent trends and Innovations in Engineering & Technology	December 2013
2	N.Santhinath M.Tech Asst.Prof.	Improvement of Dynamic performance of AGC of Hydrothermal System employing capacitive energy storage and TCPS	International conference on Recent trends and Innovations in Engineering & Technology	December 2013
3	Y.Suresh babu M.Tech,(Ph.D)	Mitigation of voltage sags / swells using DVR	National Conference on Science &	Dec 2013

	Assoc.Prof.		Technological Exploration	
4	G.Srikanth M.Tech,(Ph.D) Assoc.Prof.	State estimation uncertainty reduction using fuzzy logic	National Conference on Science & Technological Exploration	Dec 2013
5	D.Krishna M.Tech Asst.Prof.	State estimation uncertainty reduction using fuzzy logic	National Conference on Science & Technological Exploration	Dec 2013
6	V.Padmaja M.Tech Asst.Prof	State estimation uncertainty reduction using fuzzy logic	National Conference on Science & Technological Exploration	Dec 2013
7	Dr S.Radhika M.Tech, Ph.D Professor & HOD	Automatic Detection of Buildings from Aerial Images Using Color Invariant Features and Canny Edge Detection	International Journal Engineering Research and Technology Application	May 2014

## ANNEXURE-EEE-B

### Faculty Development Programs

2015 – 16			
Sl. No	Title of The FDP	Dates conducted on	Funding Agency
1.	Perpetual Learning In Industrial Automation Using PLCs/SCADA/DCS	30 <sup>th</sup> November to 5 <sup>th</sup> December	GCET

2014 – 15			
Sl. No	Title of The FDP	Dates conducted on	Funding Agency
1.	Power Quality with Distributed Generations	17 <sup>th</sup> and 18 <sup>th</sup> December	GCET
2.	Research Methodologies in Engineering and Science	15 <sup>th</sup> and 16 <sup>th</sup> December	GCET

2013 – 14			
Sl. No	Title of The FDP	Dates conducted on	Funding Agency
1.	Application of FACTS Devices and Artificial Intelligence in Modern Power System	3 <sup>rd</sup> , 4 <sup>th</sup> and 5 <sup>th</sup> October	AICTE

2012 – 13			
Sl. No	Title of The FDP	Dates conducted on	Funding Agency
1.	Personality Development	23 <sup>rd</sup> November	GCET
2.	Teaching Methodologies and Blooms Taxonomy	30 <sup>th</sup> July	GCET
3.	Blooms Taxonomy	7 <sup>th</sup> July	GCET
4.	Value Orientation Programme for Teachers	21 <sup>st</sup> and 22 <sup>nd</sup> June	GCET
5.	Mentoring of Mentors	16 <sup>th</sup> June	GCET

## ANNEXURE-EEE-C

- o EEE Department Student Achievements for the Academic Year 2012-13

S.No	Student Name	Particulars	Month/Year
1	C Karthik U Chandra Mouli N Vamsi Krishna (IV Year EEE)	Presented Prototype of Automated Hydel Power Plant in <b>OU</b> and <b>Won Second Prize</b>	Apr 2013
2	M S Madhuri V Sri Ramya (IV Year EEE)	Presented Prototype of Automated Thermal Power Plant in <b>OU</b> and <b>Won First Prize</b>	Apr 2013

**2015 – 16**

	Programme hosted by	Details of activity	Participation by	Publications/ awards Won
	GCET in association with EDC	VISHERA, a Project Exhibition as a part of ELECTRICA 2k15, on 27 <sup>th</sup> March, 2015	76 Students from various Engineering Colleges	Won 2 <sup>nd</sup> & 3 <sup>rd</sup> Prize
	GCET in association with EDC	ART TECHNIKA, Poster Presentation as a part of ELECTRICA 2k15, on 27 <sup>th</sup> March, 2015	6 Students from EEE	Won 1 <sup>st</sup> Prize
	GCET in association with ISTE, IEEE	Paper Presentation in 9 <sup>th</sup> National Paper, Project and Paper Presentation Contest “BHASWARA-2014” on 16 <sup>th</sup> & 17 <sup>th</sup> Oct, 2014	13 students from EEE	Won 1 <sup>st</sup> & 3 <sup>rd</sup> Prizes
	GCET in association with ISTE, IEEE	Project Presentation in 9 <sup>th</sup> National Paper, Project and Poster Presentation Contest “BHASWARA-2014” on 16 <sup>th</sup> & 17 <sup>th</sup> Oct, 2014	5 students from EEE	Won 1 <sup>st</sup> & 3 <sup>rd</sup> Prizes

	GCET in association with ISTE, IEEE	Poster Presentation in 9 <sup>th</sup> National Paper, Project & Project Presentation Contest “BHASWARA-2014” on 16 <sup>th</sup> & 17 <sup>th</sup> Oct,2014	3 students from EEE	Won 1 <sup>st</sup> Prize
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**2014 – 15**

	<b>Programme hosted by</b>	<b>Details of activity</b>	<b>Participation by</b>	<b>Publications/ awards Won</b>
	GCET in association with CSI, ISTE, IEEE	Technical Quiz in 9 <sup>th</sup> National Paper, Project and Poster Presentation Contest “BHASWARA-2014” on 16 <sup>th</sup> & 17 <sup>th</sup> Oct,2014	10 students from EEE	Won 1 <sup>st</sup> & 2 <sup>nd</sup> Prizes
	GCET in association with ISTE, IEEE	Technical Treasure Hunt in 9 <sup>th</sup> National Paper, Project and Poster Presentation Contest “BHASWARA-2014” on 16 <sup>th</sup> & 17 <sup>th</sup> Oct,2014	5 students from EEE	Won 1 <sup>st</sup> Prize
	GCET in association with ISTE, IEEE	E - JAM in 9 <sup>th</sup> National Paper, Project and Poster Presentation Contest “BHASWARA-2014” on 16 <sup>th</sup> & 17 <sup>th</sup> Oct,2014	5 students from EEE	Won 1 <sup>st</sup> Prize
	GCET in association with ISTE, IEEE	Assembling and disassembling in 9 <sup>th</sup> National Paper, Project and Poster Presentation Contest “BHASWARA-2014” on 16 <sup>th</sup> & 17 <sup>th</sup> Oct,2014	23 students from EEE	Won 1 <sup>st</sup> Prize

**2013 – 14**

	<b>Programme hosted by</b>	<b>Details of activity</b>	<b>No. of Participants</b>	<b>Achievements</b>
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	GCET in association with ISTE	<b>TECH MANIA</b> in 8 <sup>th</sup> National Paper, Project and Poster Presentation Contest “BHASWARA-2013” on 13 <sup>th</sup> & 14 <sup>th</sup> Sep,2013	4	Won 1 <sup>st</sup> Prize
	GCET in association with ISTE	<b>FACE TO JAM</b> in 8 <sup>th</sup> National Paper, Project and Poster Presentation Contest “BHASWARA-2013” on 13 <sup>th</sup> & 14 <sup>th</sup> Sep,2013	5	Won 1 <sup>st</sup> Prize

2014-2015					
S.No	College	Nature of Contest(Paper contest/Design contest/Technical Quiz/Paper Expo etc.)	Date(s)	No. of Participants	Awards
1	Anurag College Of Engineering	Texzellenz'15 (Paper Presentation)	10 <sup>th</sup> & 11 <sup>th</sup> April, 2015	M.Vinod	3 <sup>rd</sup> Prize
		Texzellenz'15 (Paper Presentation)		B.Nagaraj G.Hari Kishore Reddy	Participated
		Texzellenz'15 (Project Expo)		S.Shilpa B.Kranthi Kumar	Participated
2	Amazon Web Services	Awesome DAY	7 <sup>th</sup> April, 2015	K. Naga Sai Varun	Participated

3	Gurunanak Institute Of Technology	Technofest – 2015 (Paper Presentation)	4 <sup>th</sup> April, 2015	G.Rajini	partic ipated
4	St. Peter's Engineering College, Hyderabad	Specfiesta-15 (Paper Presentation)	26 <sup>th</sup> & 27 <sup>th</sup> March, 2015	M.Sreenath  M.V.Sandeep Kumar  P.K.V.N. Sai Kiran  K. Keerthy  G.Nikhitha Chandralekha  N.Anjaneyulu  K.Hareesh  Ch. Vamsee Krishna	partic ipated
5	Cvr College Of Engineering & Embeddedrf Technologies	Workshop On Gesture Controlled Robot	17 <sup>th</sup> & 18 <sup>th</sup> March, 2015	CH.VAMSEE KRISHNA	Partic ipated



6	Jawaharlal Nehru Technological University, Hyderabad	Pragnya 2015 (Paper Presentation)	11 <sup>th</sup> & 12 <sup>th</sup> March, 2015	M.Devi Vara Prasad Surya Vamsi K. Harikha Hari Shankar Sarma D.Sree Kalyani	Partic ipated
		Pragnya 2015 (Project Presentation)		K.Prashanthi K.Sai Kiran	Partic ipated
				B.Charan Sk. Nisar Ahmed	1 <sup>st</sup> Prize
		Pragnya 2015 (Workshop)		M.Devi Vara Prasad K. Sai Kiran	Partic ipated
7	Sphoorthy Engineering College	Prazasti-2k15	7 <sup>th</sup> & 8 <sup>th</sup> March, 2015	V.Tejaswini	Partic ipated
8	Vnr Vignana Jyothi Institute Of Engineering & Technology	Sports Fest(Basket Ball)	3 <sup>rd</sup> & 4 <sup>th</sup> March, 2015	Mukesh	Partic ipated
		Sports Fest(Kabaddi)		Maniratna m Praveen	3 <sup>rd</sup> Prize

9	Gitam University	Pramana (Techno Amusement)	9 <sup>th</sup> & 10 <sup>th</sup> Feb, 2015	A.Akhila K. Shruthi	Participated
10	Holymary Group Of Institutions	Sports Amalgam	3 <sup>rd</sup> to 6 <sup>th</sup> February, 2015	N.Anjaneyulu K. Hareesh P. Rachith Manihar P.Sai Charan Rao	Participated
11	Andhra Hackers (Indian Cyber Warriors)	Workshop On Cyber Security & Malware Analysis	2 <sup>nd</sup> to 4 <sup>th</sup> January, 2015	P.Sai Charan Rao Ch. Vamsee Krishna	Participated
12	Vivekananda Institute Of Human Excellence	Youth Convention	8 <sup>th</sup> and 10 <sup>th</sup> January, 2015	G.Sunil Kumar N.Anjaneyulu B.Sahasaveera K.Hareesh B.Sai Varma P.Rachith Manihar	participated

13	Sreenidhi Institute Of Science And Technology	Bachpan Bachao	3 <sup>rd</sup> Aug, 2014	G.Sunil Kumar	Partic ipated
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S.NO.	EVENT NAME	ORGANIZATION	NO. OF STUDENT/NAMES	REMARK
1	ELOCUTION COMPETITION	STANLEY COLLEGE OF ENGG&TECH FOR WOMEN	S.B. YASASWINI	THIRD
2	MECHATRONICS	MSME-TOOL ROOM, HYDERABAD CENTRAL INSTITUTE OF TOOL DESIGN	M. SREENATH	Participation
3	TECHSONANCE 2014	DEPARTMENT OF ELECTRICAL ENGINEERING UNIVERSITY COLLEGE OF ENGINEERING(A)-OU	GAJULAPATI RAJINI	Participation
4	PROJECT TRAINING	NANOBRIGHT SOLAR TECHNOLOGIES PVT. LTD.	M.V. SANDEEP KUMAR	Participation
5	TECH SAMPRATHI 2K14	SCHOOL OF ENGINEERING,NNRG	M. HEMANTH KUMAR	Second
6	INTERNSHIP	GUTS ELECTROMECH LTD.	ANIRUDH BICHAL	Participation
7	INPLANT TRAINING	NUCLEAR FUEL COMPLEX	B. RAJARAM	Participation
8	PROJECT WORK	NUCLEAR FUEL COMPLEX	G. PRANEETH	Participation
		NUCLEAR FUEL COMPLEX	M. ANITHA	

9	INPLANT TRAINING	CENTRAL INSTITUTE OF TOOL DESIGN	M. SREENATH	Participation
10	WALK FOR A CAUSE	BACHPAN BACHAO AT SNIST	B. ANIRUDH	Participation
			M. PRANAY KUMAR	
			G. PRANEETH	
			VENKATESH HAREESH	
11	SAMHITA 2K13	SREE DATTHA INSTITUTE OF ENGINEERING & SCIENCE	M.V. SANDEEP KUMAR	First
12	YANTHROSTHAV2K14	NARSIMHA REDDY ENGINEERING COLLEGE	P. VAMSHI KRISHNA	Participation
			PAVAN KUMAR	
			ADITYA	
			J.S. ABILASH	
13	ELECSPIRE-2K14	JOGINAPALLY B.R. ENGINEERING COLLEGE	M. CHANDRA SHEKAR	Participation
14	AVAZYA 2K14	CMR ENGINEERING COLLEGE	P. NAVEEN VARMA	Participation
15	SPARDHAA'14	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	PRATYASHA MISHRA	SECOND
			K.A. GIRISH KUMAR NAIK	SECOND
16	SHAASTRA 2014	IIT MADRAS	P VAMSHI KRISHNA	second
			VAMSHI KRISHNA	Participation
			P. VAMSHI KRISHNA	
		SRIDEVI WOMEN'S ENGINEERING	K. SREENIJA	

17	WORKSHOP	COLLEGE		Participation
18	PROMETHEAN 2K14	PADMASRI Dr. B.V. RAJU INSTITUTE OF TECHNOLOGY	K. SOWJANYA	Participation
			B. SUNITHA	
19	TECHSONANCE 2014	UNIVERSITY COLLEGE OFL ENGINEERING-OU	T.NAGARAJU	Participation
20	ELECSPIRE2014	JOGINAPALLY B.R. ENGINEERING COLLEGE	T. NAGARAJU	Participation
21	ELYSIUM2K14	HOLY MARY GROUP OF INSTITUTIONS	P. GIRI PRASAD	Participation
			G. SUSHEELA	
			G. SWATHI	
			S.B. YASASWINI	
			S. BHARATH KUMAR	First
			S. SWATHI REDDY	Participation
			T.MOUNIKA	
			PSH. SHALINI	
			RAJU	
			B.RAJARAM	
			P.VINEELA	
			A.MOUNICA	
			Y.MADHURI	
			M.LEELAVATHI	
DEVA DUTT				
K.RENUKA				
			M.CHANDRASEKHAR	Participation
			B.SUNITHA	
			SUSHEELA	
			V.ARUNA	
			P.PRASHANTH	First
			M.PRANAY	
P.BHAVANI				

22	PRAGMA 2K14	TIRUMALA ENGINEERING COLLEGE	G.NARESH KUMAR	Participation
			PAVAN KUMAR	
			D.ADITHYA	
			T.S.ABHILASH	
			ANIRUDH	First
			P.SHALINI	Participation
			S.B. YESASWINI	
			B.RAJARAM	
			ABIDA	
			S.BHARAT KUMAR	
			V.MAHATI	
			B.HARI HARAN	
			P. VAMSI KRISHNA	
			T.VENKATESH	
			S.AVINASH	
M.HARITHA				
VIJAY				
B.ARCHANA				
23	TECHNOSMEC 2K14	ST. MARTIN'S ENGINEERING COLLEGE	B.ARCHANA	Participation
			K.SOWJANYA	Second
			B.PRASHANT	Second
			G.SANDEEP KUMAR	Second
			K.SRIKANTH	Second
			G.NARESH KUMAR	Third
			T.VENKATESH	Third
			D.HARIHARAN	Third
			B.PRASHANT	Second
M.ANITHA	Third			

24	FORZA 2K14	TIRUMALA ENGINEERING COLLEGE	G. SANDEEP KUMAR	First
			HARISH	CONSOLATION
			A.MOUNICA	SECOND(PPT)
			Y.MADHURI	
			P.VINEELA	
			CH.RAMESH	THIRD(PPT)
			K.RAMYA SRI	
T.SATVIKA				
25	ELAN 2014	ARK TECHNOSOLUTIONS & IIT HYDERABAD	K.A.GIRISH KUMAR	PARTICIPATED IN WORKSHOP
			M.V.SANDEEP KUMAR	
			MD.VAZIR.RUMAN	
			CH.HEMA REDDY	
			K.KEERTHI	
			M.SUMANTH REDDY	
			N.SURESH	
			E.SURAJ	
			PRATHYASHA MISHRA	
			M.SRIKANTH	
			K.NAGENDRA BABU	
			P.K.V.N.SAI KIRAN	
			G.NIKITHA CHANDRA LEKA	

## ANNEXURE – EEE – D

	<b>Event Name</b>	<b>Title of the Workshop/Seminar /Conference</b>	<b>Resource Person/Institution</b>	<b>Date</b>	<b>Target Audience</b>
	Guest Lecture	Atoms in the Service of the Nation	Mr. Bipattaran Haldar	14 <sup>th</sup> March	IV year B.Tech students
	Guest Lecture	Introduction to BHEL Hyderabad Plant and Real time Quality Control Checks on Electrical Machines	Mr. R.K.Manohar	12 <sup>th</sup> August	1 <sup>st</sup> year B.Tech students
	Guest Lecture	Corporate Communication and Interpersonal Skill Techniques for Budding Engineers	Mr.Prateek Khare	13 <sup>th</sup> August	All EEE students
	Workshop	Design and Implementation of Electrical and Electronic Module (Multi Utility Timer Applications)	PGP Electronics Pvt.Ltd	16 <sup>th</sup> and 17 <sup>th</sup> March	III &IV year B.Tech students
	Workshop	Design of Solar Energy PV Systems	Green Solutions Pvt.Ltd	25 <sup>th</sup> and 26 <sup>th</sup> September	III &IV year B.Tech students



	Guest Lecture	Introduction to Smart Grid Technologies	Mr.G.Mahesh Kumar	29 <sup>th</sup> January	III & IV B.Tech EEE Students
	Guest Lecture	Energy Auditing Methods to resolve power disturbance issues	Mr.N.S.S.Prasad	27 <sup>th</sup> January	All EEE students
	Guest Lecture	Recent Trends in Transducers and its applications	Mr.K.Smaual Mories	10 <sup>th</sup> January	All EEE students
	Guest Lecture	Reliability Engineering and applications to Electrical Power Systems	Dr. G.N.Sreenivas	7 <sup>th</sup> January	All EEE students
	Guest Lecture	Fundamentals of Electrical and Electronics Engineering	Dr. B.V.Sanker Ram	23 <sup>rd</sup> September	All B.Tech EEE Students
	Workshop	MATLAB	DATA POINT INSTITUTE OFFICILAS	28 <sup>th</sup> , 29 <sup>th</sup> and 30 <sup>th</sup> Jauary	II & IV EEE Students
	Guest Lecture	Modeling and Simulation of Power Electronics and Electrical Drives using CASPOC and VISSIM software in	Mr. Satyabrata Sahoo, Application Engineer, SUNSEAS	17 <sup>th</sup> February	III & IV EEE Students

		Embedded System	TECH		
	Guest Lecture	Transducers and their industrial application	Mr.K.Smaual Mories	27 <sup>th</sup> September	IV EEE Students
	Guest Lecture	Traction Motors	Mr.D.Sadanandam	20 <sup>th</sup> September	IV EEE Students
	Workshop	Outcome based Engineering Education for Enhanced Employability	Dr. Udaya Kumar	25 <sup>th</sup> January	EEE Students
	Workshop	Motivating students in reaching their goals	Mr. Syed Noor Md. Shakir – Hyderabad	10 <sup>th</sup> September	IV year B.Tech students
	Guest Lecture	Design and Testing of Transformer	Shri.S.Venkata Subba Reddy	3 <sup>rd</sup> march	III & IV EEE Students
	Guest Lecture	Field Aspects of Electrical Engineering	Sri. P. Kondanda Ramaiah, Retd.CE,APSEB	26 <sup>th</sup> September	All EEE Student
	Guest Lecture	Awareness for Employability and Enhancing skills for employability	ASPIRING MINDS ASSESSMENT	17 <sup>th</sup> August	IV EEE Students

# Evaluative Report of Mechanical Engineering (ME) Department

**1. Name of the Department & its year of establishment:**

B.Tech: Mechanical Engineering, 2011

**2. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** B.Tech. (Mechanical Engineering)

**3. Interdisciplinary courses and departments involved:**

The students of B.Tech., Mechanical Engineering programs have to take several core courses from other departments- Electrical and Electronics Engineering (EEE), Electronics and Communication Engineering (ECE), Computer Science and Engineering (CSE), Chemistry, Humanities and Social Sciences (HSS), Mathematics and Physics. Some courses are also run by department for all other discipline of the B.Tech.

S. No	Course Name	Year and Semester	Course offered by the Department
1	English-I	I - I	Humanities and Social Sciences
2	Engineering Physics	I - I	Basic Sciences
3	Mathematics – I	I - I	Basic Sciences
4	Introduction to Computer Programming	I - I	Computer Science and Engineering
5	Engineering Physics Laboratory	I - I	Basic Sciences
6	Computer Programming Laboratory	I - I	Computer Science and Engineering
7	Engineering Workshop (EWS) / Information Technology Workshop (ITWS)	I - I	Computer Science and Engineering
8	English – II	I – II	Humanities and Social Sciences
9	English Lab	I – II	Humanities and Social Sciences
10	Physics for Engineers	I - II	Basic Sciences
11	Mathematics – II	I – II	Basic Sciences
12	Engineering Chemistry	I – II	Basic Sciences
13	Engineering Chemistry Laboratory	I – II	Basic Sciences
14	Computational Mathematics Laboratory	I – II	Basic Sciences
15	Probability and Statistics	II – I	Basic Sciences
16	Basic Electrical and Electronics Engineering	II – I	Electrical and Electronics Engineering
17	Basic Electrical and Electronics Engineering Lab	II – I	Electrical and Electronics Engineering

18	Environmental Studies	II – I	Basic Sciences
19	Gender Sensitization	II – I	Humanities and Social Sciences
20	Advanced English Communication skills laboratory	III – I	Humanities and Social Sciences
21	Human values and Professional Ethics – Open Elective	III – I	Humanities and Social Sciences
22	Intellectual Property Rights – Open Elective	III – I	MBA
23	Industrial Safety and Hazards – Open Elective	III – I	Electrical and Electronics Engineering
24	Soft Skills	III – II	Humanities and Social Sciences
25	Supply chain management – Open Elective	IV – I	MBA
26	Knowledge management – Open Elective	IV – I	Computer Science and Engineering
27	Energy Conservation and Management – Open Elective	IV – I	Electrical and Electronics Engineering
28	Foreign Language – Open Elective	IV – I	Humanities and Social Sciences
29	Banking and Insurance – Open Elective	IV – I	MBA
30	Disaster Mitigation and Management	IV – I	Civil Engineering
31	Entrepreneurship – Open Elective	IV – II	MBA
32	Actuarial Science – Open Elective	IV – II	Humanities and Social Sciences
33	Anthropology – Open Elective	IV – II	Humanities and Social Sciences

**4. Annual/ semester/choice based credit system:**

**B.Tech. Semester System**

Academic Year	Program	Is under affiliation/ Autonomous	Academic Regulation	Annual/ Semester/ CBCS
2013-14 and 2014-15 admitted Batches	B.Tech (Mech)	Affiliated	R13 of JNTUH	I-yr. Annual, II, III, IV Yr-Semester System
2015-16 admitted Batch	B.Tech (Mech)	Affiliated	R15 of JNTUH	I-yr. Annual, II, III, IV Yr-Semester System
2016-17 admitted Batch	B.Tech (Mech)	Autonomous	AR16	Semester and Choice Based Credit System

**5. Participation of the department in the courses offered by other departments:**

The Department offer following courses in the B.Tech. Programs of other departments:

S. No.	Course Name	Beneficiary Department
1	Engineering Workshop	B. Tech. Civil Engineering
2	Engineering Drawing, Engineering Workshop	B. Tech. Electrical and Electronics Engineering
3	Engineering Drawing, Engineering Workshop	B. Tech. Electronics and Communication Engineering
4	Fluid Mechanics and Hydraulic Machinery Theory and Lab.	B. Tech. Electrical and Electronics Engineering
5	Engineering Drawing, Engineering Workshop	B. Tech. Computer Science and Engineering

6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

Faculty Designation	Sanctioned	Filled
Professors	04	04
Associate Professors	04	04
Asst. Professors	26	26
Total	34	34

7. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years Of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.T.Siva Prasad	Ph.D	Professor & HOD	Analysis of Bus. Proc	35	One
Dr. M. Devaiah	Ph.D	Professor	Mech Engg	17	—

S. V. Gangadharam	M.Tech.	Professor	Ind. Eng., ACMA	34	—
D. Samuel John	Ph.D	Professor	Ind. Eng	19	—
K. Jithendar Reddy	M.Tech	Assoc. Prof.	Ind. Metallurgy	22.6	—
P. Sudheer Rao	M.Tech.	Assoc. Prof.	Thermal Engg	19	—
R. Sudarshan	M.Tech.	Assoc. Prof.	Prod. Engg	21	—
B.Subba Rao	M.Tech.	Assoc. Prof.	Machine Design	18.8	—
B.Anitha	M.Tech.	Assoc. Prof.	CAD/ CAM	10	—
P. Srilatha	M.Tech.	Asst. Prof.	ME	04	—
K.Raju	M.Tech.	Asst. Prof.	Machine Design	08	—
K. Vijay	M.Tech.	Asst. Prof.	CAD/ CAM	07	—
M. Ravindra Gandhi	M.Tech.	Asst. Prof.	Adv. Manf. Sys.	08	—
V. Sandeepa	M.Tech.	Asst. Prof.	Machine Design	06	—
V. Rajasekhar	M.E.	Asst. Prof.	AD&M	07	—
P. Laxmi Reddy	M.Tech	Asst. Prof.	Thermal Eng.	08	—
P.V. R. Girish Kumar	M.Tech.	Asst. Prof.	CAD/ CAM	06	—
N. Rajendar	M.Tech.	Asst. Prof.	CAD/ CAM	07	—
B. Venkat sravan Kumar	M.Tech.	Asst. Prof.	Engg. Design	02	—
U. Sreekanth	M.Tech	Asst. Prof.	R&AC	06	—
B. Bhasker	M.Tech.	Asst. Prof.	Thermal Engg.	10	—
J. Nithin Kumar	M.Tech.	Asst. Prof.	AMS	05	—

K. Niranjan Kumar	M.E	Asst. Prof.	CAD/CAM	02	—
N. Suresh	M.Tech.	Asst. Prof.	CAD/CAM	05	—
A. Santhosh	M.Tech.	Asst. Prof.	Machine Design	01	—
K. Sreedhar	M.Tech.	Asst. Prof.	AMS	01	—
K. Venkatesh	M.Tech.	Asst. Prof.	CAD/ CAM	04	—
B. Srinivasa Reddy	M.Tech.	Asst. Prof.	Thermal. Engg.	02	—
R. Satya Mahipal Reddy	M.Tech.	Asst. Prof.	AMS	04	—
R. Sravani	M.Tech.	Asst. Prof.	CAD/ CAM	01	—
D. Jaya Prakash	M.Tech.	Asst. Prof.	Eng. Design	-	—
P. Sandeep Kumar	M. Tech.	Asst. Prof.	CIDM	5.5	—
P. Satyanarayana	M.Tech	Asst. Prof.	CAD/CAM	02	—
M. Krishna Kumar	M.Tech.	Asst. Prof.	Machine Design	01	—

8. **Percentage of classes taken by temporary faculty – programme-wise information:** NIL
9. **Programme-wise Student Teacher Ratio:** for B.Tech. 10.58:1
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled**

No	Description	Sanctioned	Filled
1	Academic Support Staff(Technical)	09	09
2	Administrative staff	02	02

11. **Number of faculty with ongoing projects from (a) National: (b) International funding agencies and: (c) Total grants received. Mention names of funding agencies and grants received project-wise.:**

There are none at present. The department has been recently established. However, the faculty members are preparing proposals for submitting it to the funding agencies in the near future.

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:**

Not yet

**13. Research facility/centre with**

(a) **State Recognition:** Not Yet

(b) **National Recognition:** Recognized as R&D Center by DSIR (SIRO), Govt. of India (F.No. 11/532/2011-TU-V).

(c) **International Recognition :** Not Yet

**14. Publications:**

(a) **Number of papers published in peer reviewed journals (national / international)**

**I. Summary Report**

S. No.	Publication Type: Peer reviewed Journals (national/ international)	Total Number			
		2016-17	2015-16	2014-15	2013-14
1	International Journals	14	12	08	06
2	International conferences	16	01	00	00
3	National Conferences	00	00	00	01

List of Publications published/presented in Journals and/or Conferences please refer to **ANNEXURE-ME-A**

**II. Other Publications**

Category	Total publications
Monographs	NIL
Chapter(s) in Books	NIL
editing Books	NIL

**III. Books with ISBN numbers with details of publishers number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**

S. No	Name of the Faculty	Title of the Book	Name of The Publisher	Date of Publication
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1	Dr. M. Devaiah	DIMOX Processed $A_{12}O_3/SiC$ CMCs Through Al Alloy: Physical Properties	LAP LAMBERT Academic Publishing	ISBN: 978-3-659-85800-0 Sept., 2016
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**IV. Citation Index – range / average:**

Indexing parameter	Details
Google citations	Range:0-6
SNIP	Range:0-1.235
SJR	Range:0-.856
Impact factor	Range:0-7.5
H-index	Range:0-10

15. **Details of patents and income generated:** Not Yet

16. **Areas of consultancy and income generated:**

Not yet, the department is making effort to take up consultancy and research projects in the area of Advanced Manufacturing.

17. **Faculty recharging strategies:**

To recharge the faculty, department organizes workshops, seminars, expert talks, conferences, refresher courses, faculty development program etc. in College. The faculty recharging activities are as follows:

**(a) Workshop Attended:**

- (i) All faculty members of the Mechanical Engineering Department have attended A Two Day Faculty development Programme on “3D Modelling and Hands on Experience using Creo 3.0 (Pro/E) by Department of Mechanical Engineering, 9<sup>th</sup> and 10<sup>th</sup> January, 2017 at Department of Mechanical engineering, Hyderabad
- (ii) All faculty members of the Mechanical Engineering Department have attended Refresh Course on “Engineering Mechanics” by the Mechanical Engineering Department 6<sup>th</sup> June to 11<sup>th</sup> June 2016, Dr. K. Madhavi, Prof., MVSR Engg. College, Dr. K. R. C Reddy, Professor, CVSR Engg., College, Dr. B. Ravi, Assoc. Prof. SNIST, Dr. K. Kandasamy, Assoc. Prof MVSR Engg. College, are the resource persons in this refresher course.

- (iii) All faculty members of the Mechanical Engineering Department have attended Faculty Development Programm on “Engineering Drawing with Auto CAD” by the Mechanical Engineering Department 9<sup>th</sup> May to 14<sup>th</sup> May, 2016. Dr. T. Siva Prasad, HOD, Mech, GCET Prof.VVS Sastry, Professor from KITS, Warangal, Suri Sreenivas, Asst. prof, MVSR, are the resource persons in this refresher course.
- (iv) Professor  
S.V.Gangadharam attended One day Workshop on “Innovation, Incubation and Entrepreneurship” by Jawaharlal Nehru Technological University, Hyderabad, 29<sup>th</sup> June 2016, JNTUH.
- (v) P.Sudhee  
r Rao attended One day Workshop on “Innovation, Incubation and Entrepreneurship” by Jawaharlal Nehru Technological University, Hyderabad, 29<sup>th</sup> June 2016, JNTUH.
- (vi) All faculty members of the Mechanical Engineering Department have attended Faculty Development Programm on “Finite Element Analysis & Practices through ANSYS” by the Mechanical Engineering Department 30-11-2015 to 05-12-2015, Dr P Ravindar Reddy HoD, CBIT, Gandiper, Hyderabad, Dr Ch Sridhar Reddy JNTU, Manthani, Dr [Ms] Saraswamma, Osmania University, Dr P Ramesh Babu, Osmania University, are the resource persons in this refresher course.
- (vii) All faculty members of the Mechanical Engineering Department have attended Faculty Development Programm on “Engineering Drawing with Auto CAD” by the Mechanical Engineering Department 18<sup>th</sup> to 20<sup>th</sup> JUNE 2015, Dr. T. Siva Prasad, HOD, Mech, GCET, P. Sudheer Rao Mech, GCET, are the resource persons in this refresher course.
- (viii) Dr. T. Siva Prasad attended One day Workshop on “Awareness workshop on Outcome based Education & Accreditation”, Jawaharlal Nehru Technological University, Hyderabad, 14<sup>th</sup> September 2015, JNTUH.
- (ix) Dr. T. Siva Prasad attended Two day Workshop on ““Innovations in Waste, Water & Energy Technology for Rural Development” by Department of Mechanical Engineering, 13<sup>th</sup> & 14<sup>th</sup> July 2015, BITS, Hyderabad Campus.

- (x) Dr. M. Devaiah attended One day Workshop on “Awareness workshop on Outcome based Education & Accreditation”, Jawaharlal Nehru Technological University, Hyderabad, 14<sup>th</sup> September 2015, JNTUH.
- (xi) K. Jithender Reddy attended One day Workshop on “Industrial Tribology” by Department of Mechanical Engineering, 31<sup>st</sup> October 2015, Anurag Group of institutions, Hyderabad.
- (xii) V. Rajasekhar, Mr.Rajender and Mr.Jethinder reddy attended Three day Workshop on “Sustainable Manufacturing” by Department of mechanical Engineering, 2015, Srinidhi Institute of Science & Technology, Hyderabad.
- (xiii) B. Anitha, P. Haseena Bee and N. Venkateswarlu attended One day Workshop on “Solids Works” by CITD on 9<sup>th</sup> February 2012, Balanager Hyderabad.
- (xiv) V. Sandeepa attended One Week APSICHE-JNTUH Sponsored Workshop on “Engineering Drawing from 16<sup>th</sup> to 21<sup>st</sup> July 2012, at Anurag Group of Institutions, Hyderabad.
- (xv) All faculty members of the Mechanical Engineering Department have attended Two day Faculty Development Programm on “Pedagogy” by the Department of Science and Humanities 29<sup>th</sup> and 30<sup>th</sup> April 2013.
- (xvi) PVR Girish Kumar attended a Two day workshop on ““Evolution of optimal design configuration of leaf spring for automotive application“an International conference on paradigms in engineering and Technology, 2<sup>nd</sup> and 3<sup>rd</sup> march 2016, Methodist Engineering College, Hyderabad.
- (xvii) Mr. Ravindra Gandhi Manne attended a Three day National workshop on” 3- day National Workshop on composite material and its applications” , C.V.S.R Institute of Technology, Hyderabad.
- (xviii) Dr T Siva Prasad & Dr M Devaiah attended International Symposium on “Wind Engineering & Wind Energy”, [28/01/2016], Birla Institute of Technology & Science, Pilani, Hyderabad campus

**(b) Training Undergone:**

- (i) Rajasekhar had undergone in-house training on “Training on CNC Lathe & Milling Machines” for three days from 15<sup>th</sup> September 2014, by M.TAB Engineers, Chennai.

**(c) Experts Lectures Delivered:**

- (i) Dr T Siva Prasad delivered expert lecture on “Advanced Machining processes” 2012 at Andhra Layola Institute of Engineering & Technology, Vijayawada.

**(d) Faculty Registered PhD**

S. No	Faculty Name	Designation	Area of Specialization	University and Year of Registration	Expected year of completion
1	K. Jitendar Reddy	Associate Professor	Mechanical Engineering	JNUH, 2016	2020
2	A Subba Rao	Associate Professor	Thermal Engineering	JNTUH, 2012	2017

**18. Student projects**

- (a) **Percentage of students who have done in-house projects including interdepartmental**

S.No.	Batch	% of Projects done in-house
1	2011-2015	83.00
2	2012-2016	67.00
3	2013-2017	95.00

- (b) **Percentage of students doing projects in collaboration with industries /institutes:**

S.No.	Batch	% of Projects in collaboration with industries/institutions
1	2011-2015	17.00
2	2012-2016	33.00
3	2013-2017	5.00

**19. Awards/recognitions received at the national and international level by**

(a) **Faculty:** NIL

(b) **Doctoral/post doctoral fellows:** NIL

(c) **Students**

(i) **Merit Scholarship:**

- The scholarship is provided to the topper in branch for all years of students.
- The following are details of ECE students who received Shri Raja Reddy Memorial

Scholarship (from M/s. Teja Educational Society):

**2015-16**

S. No.	Year	Roll No.	Name of The Student	% of Marks	Rank	Prize Money (Rs.)
1	I Year	15R11A0342	P Jeevan reddy	80.90	I	5000
		15R11A03B2	T Nikhil Kumar Reddy	76.20	II	4000
		15R11A0383	K Arun Kumar	75.60	III	3000
2	II Year	14R11A0318	J Kranthi Kiran	73.46	I	5000
		14R11A0354	A Sai Charan	71.23	II	4000
		14R11A0364	G Srikanth	70.92	III	3000
3	III Year	13R11A0316	D Mahadev Bhatt	75.13	I	5000
		13R11A0304	A Moulika	68.53	II	4000
		13R11A0358	V Vinay Kumar	67.46	III	3000
4	IV Year	12R11A0324	K Pandu	77.26	I	5000
		12R11A0358	V Rajashekar	76.36	II	4000
		12R11A0305	B Sridhar	74.19	III	3000

**2014-15**

S. No.	Year	Roll No.	Name of The Student	% of Marks	Rank	Prize Money (Rs.)
1	I Year	14R11A0307	A Balraj Tanmaiye	75.6	I	5000
		14R11A0318	J Kranthi Kiran	75.3	II	4000
		14R11A0332	N Teja Sai Bhaskar	72.40	III	3000
2	II Year	13R11A0350	Tejavathu Priyanka	76.07	I	5000
		13R11A0342	Ruthwik Edara	74.73	II	4000
		13R11A0316	D Mahadev Bhatt	74.53	III	3000
3	III Year	12R11A0358	V Rajashekar	76.39	I	5000
		12R11A0344	P Shailendhar Reddy	75.86	II	4000
		12R11A0324	K Pandu	73.87	III	3000
4	IV Year	11R11A0329	M Vaishnavi	80.00	I	5000
		11R11A0353	TTK Mrudula	77.44	II	4000

		12R15A0301	K Padmavathi	76.06	III	3000
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## 2013-14

S. No.	Year	Roll No.	Name of The Student	% of Marks	Rank	Prize Money (Rs.)
1	I Year	13R11A0325	K Satyanarayana	80.90	I	7000
		13R11A0342	Ruthwik Edara	80.00	II	3000
2	II Year	12R11A0324	K Pandu	77.33	I	1000
3	III Year	11R11A0301	A Achyuth Ram	80.66	I	1000

## 2012-13

S. No.	Year	Roll No.	Name of The Student	% of Marks	Rank	Prize Money (Rs.)
1	I Year	12R11A0324	K Pandu	81.30	I	5000
		12R11A0358	V Rajashekar	78.30	II	5000
2	II Year	1R11A0336	P Venkatesh Varma	79.50	I	5000
		11R11A0301	A Achyuth Ram	78.50	II	5000

(ii) Awards received by the students for the participation in the events organized by Other Universities/ Colleges/ Institutes:

Name of students	Details of award/Prize
Ruthwik Edara	Developers marathon, Organized by Computer Society of India, Gurunanak Institutions
Konala Satyanarayana	Developers marathon, Organized by Computer Society of India, Gurunanak Institutions
Ruthwik Edara	Incubation Ideas, JNTUH, Hyderabad
Konala Satyanarayana	Incubation Ideas, JNTUH, Hyderabad
Ruthwik Edara	Hackers summit, IIIT, Hyderabad
Konala Satyanarayana	Hackers summit, IIIT, Hyderabad
A.V.SAI KIRAN	Robo Veda, Automobile Quiz, Sree Nidhi college of Engg &

	Tech ( SNIST ), 27- 09 -2016
N.SATYA GUHA	Robo Veda, Automobile Quiz, Sree Nidhi college of Engg & Tech ( SNIST ), 27- 09 -2016
G.Jhunkar Sagar	Conclave of International Diplomats Conference, 01-07-2016 to 03-07-16
Paramkudham Dheeraj	Ezneth Automobile Workshop, BITS- Hyderabad
Gudisena Jatin Raju	Ezneth Automobile Workshop, BITS- Hyderabad
R. Anup	Sree Nidhi college of Engg & Tech (SNIST), 27- 09 -2016.
Tummala Nikhil Kumar Reddy	English Literature, OU- HYD
V S Ullas	Ezneth Automobile Workshop, BITS- Hyderabad
V S Ullas	English Literature, OU- Hyderabad
R. Anup	3D Printing Workshop, JNTU- Hyderabad
Sirajuddin	Paper publish(artificial intelligence), Vignan
Kavya.A	Robohaptics, CBIT, Hyderabad
Kavya.A	Literary Fest, BITS, Hyderabad
T. Sindhuranjali	Robohaptics, CBIT, Hyderabad
T. Sindhuranjali	Literary Fest, BITS, Hyderabad
T. Priyanka	Literary Fest, BITS, Hyderabad
M. Lavanya	Literary Fest, BITS, Hyderabad
D. Mahadev Bhatt	Technical Fest, Bharathi College, Hyderabad
D. Nihaal Rao	Paper presentation, CMRTC, Hyderabad
Jeremiah Daniel	Verba maxima 2014 Library fest, Hyderabad

**20. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.**

<b>S. No</b>	<b>Title of FDP/Seminar/Conference</b>	<b>Date of FDP</b>	<b>Source of Funding</b>
1.	A One day Seminar on “Non Destructive Testing Methods (NDT)”	February 10, 2017	Management of Geethanjali College of Engineering & Technology
2.	A Two day FDP on “3D Modelling and Hands on Experience using Creo 3.0 (Pro/E)”	January 9 -10, 2017	
3	One Week FDP on “Engineering Drawing with Auto CAD”	May 9 -14, 2016	
4	Refresh Course on “Engineering Mechanics”	June 6 – 11, 2016	
5	Two Day Workshop on “Soccer Robotics Workshop”	September 9 -10, 2016	
6	Two days Workshop on “CAD/CAE and its applications using AutoCAD & ANSYS”	July 25-26, 2016	
7	Expert lecture on Thermodynamics	October 22, 2016	
8	Two days Workshop on “AUTOSPARK (Automobile Mechanics and IC Engine Design)	January 6 – 7, 2016	
9	Three days Workshop on “ Finite Element Analysis using Ansys”	August 12 -14, 2015	
10	A Two day National Conference on “Recent Advances in Material Science and Manufacturing Engineering”	January 30 - 31, 2015	
11	One Week FDP on “Finite Element Analysis and Practices through Ansys”	November 30 - December 5, 2015	
12	One Week FDP on “Engineering Drawing”	June 25 -28, 2014	
13	A Three Day FDP on “ CNC Programming	September 15 -17,	



	by M-Tab”	2014	
14	A Two Day Workshop on “ Roboversity and Skyfi labs”	February 21- 22, 2014	
15	One day seminar on “ Cutting edge Technologies in Mechanical Engineering”	December 28, 2013	
16	One day seminar on “ FEM Analysis”	July 18, 2014	
17	One day seminar on “ Make Mind your Best Friend”	September 15, 2014	
18	One day seminar on “ Nano Materials and Applications”	September 15, 2014	
19	A Three Day Workshop on FEM through Ansys”	August 12 -14, 2015	

**21. Student profile Programme wise (course-wise):**

Name of the Course (Batch Admitted) (refer question no. 2)	Applications Received (Sanctioned Intake)	Selected (Students Joined/Admitted)		Pass percentage	
		Male	Female	Male	Female
B.Tech (2011-2015)	60	53	5	90.00	100.00
B.Tech (2012-2016)	60	55	4	95.00	100.00
B.Tech (2013-2017)	120	109	4	NA	NA
B.Tech (2014-2018)	120	108	6	NA	NA

**22. Diversity of Students**

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.Tech(ME) 2016-20	--	100	0	0

B.Tech(ME) 2015-19	--	100	0	0
B.Tech(ME) 2014-18	--	100	0	0
B.Tech(ME) 2013-17	--	100	0	0
B.Tech(ME) 2012-16	--	100	0	0

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

Sl. No	Name of the Competitive Exam	2014-15	2015-2016	2016-17
1	UGC-CSIR-NET	NA	NA	NA
2	UGC-NET/ SLET	NA	NA	NA
3	GATE	01	01	NA
4	CAT / GRE	12	2	NA
5	TOEFL / GMAT	12	2	NA
6	Central /State services, Defense, Civil Services	NIL	NIL	NA
7	Any other competitive exams (give details)	NIL	NIL	NA
	Total	25	05	NA

**24. Student progression**

Student progression		Percentage against enrolled		
		2011-2015	2012-2016	2013-2017
UG to PG		31.00	5.7	NA
PG to M.Phil.		NA	NA	NA
PG to Ph.D.		NA	NA	NA
Ph.D. to Post-Doctoral		NA	NA	NA
Employed	Campus selection	59.25	58.57	NA
	Other than campus recruitment	18.60	31.09	NA
Entrepreneurs		NIL	NIL	NA

NA- Not applicable

## 25. Diversity of staff

For Ph.D., percentage is calculated out of total Ph.D. degree holders and percentage of UG calculated out of total strength of the Department.

Percentage of faculty who are graduates	UG	PG	PhD
of the same parent university	41.17	58.82	NIL
from other universities within the State	17.64	17.64	66.66
from other universities from other States	41.16	23.54	33.33

## 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

➤ 2 faculty members have been awarded Ph.D.

S. No.	Name of Faculty	Area of Research	Year of awarded Degree	University
1	Dr. M. Devaiah	Composite Materials	2013	Osmania, Hyderabad
2	Dr. D. Samuel John	Inventory Management	2017	Sri Krishnadevaraya Anantapur

## 27. Present details about infrastructural facilities

### (a) Library

The Department has its own Library in addition to the Central Library with titles, volumes, course files, Lab manuals.

No. of Titles	No. of Volumes	No. of Computers with printer and internet facility	Library Plinth Area
100	100	01	25 sqm

### (b) Internet facilities for staff and students

All the Staff and Students can use internet facility in the department.

Internet Service Providers:

Vainavi Communication (P) Ltd - (48 Mbps)

Excel Media (P) Ltd - (16 Mbps)

(c) **Total number of class rooms**

Total 06 classrooms for II, III and IV Year B.Tech in Block III

(d) **Class rooms with ICT facility**

An exclusive fully equipped CAD/CAM LAB and a Seminar hall is available to conduct ICT lectures. Apart from that any class room can be provided with ICT facility with the exclusive LCD projector and Laptops available in the department. Also the Seminar Hall is equipped with LCD projector.

(e) **Students' laboratories**

The Department has 12 modern laboratories to serve the teaching and research needs of the students and faculty of the Department. All systems in computer Lab are connected to the Departmental LAN which is a part of the Institute wide area network.

Sr. No	Name of Lab	Size (Sq.m)	Major equipments	Students / Expt.
1	Engineering Workshop Lab	262.87	Smithy Forge and blower, Grinding Machine, Welding Machine, Swage Block, Anvil	1
2	Mechanics of Solids Lab	105	Universal Testing Machine, Impact Testing machine, Torsion Testing machine, Brinell and Rockwell Hardness Testing Machines, Spring Testing Machine	3
3	Metallurgy and Material science Lab	69.16	Microscopes 50X,100X&450X, Disc Polishing Machine, Specimen Cutting Machine	3
4	Production Technology Lab	200	Hydraulic Press, Injection Moulding Machine, Spot welding Machine	3
5	Machine Tools Lab	200	All geared Lathe, Lathe with taper attachment, Radial Drilling Machine, Vertical Milling Machine, Grinding Machine, Slotting Machine, Shaping Machine, Tool and Cutter Grinding machine	3
6	Metrology Lab	70.07	Tool Maker's Microscope, Vernier Height Gauge, Sine bar and Slip Gauges, Dial Indicator	2
7	Thermal Engineering Lab	104.54	Two stroke petrol engine, Four stroke single cylinder petrol engine, Four stroke twin cylinder diesel engine, Air	3

			compressor	
8	Heat Transfer Lab	70.07	Parallel and Counter flow heat exchanger, Stefan Boltzman Apparatus, Critical heat flux apparatus	2
9	Computer Aided Design Lab	69.17	Computers with I5 processor, 8GB RAM installed with AutoCAD Academic Version2015, ANSYS Academic Version 15.0	1
10	Computer Aided Manufacturing Lab	69.17	CNC Lathe PC based control, CNC Milling Machine with industrial controller	3
11	Instrumentation & Control Systems Lab	68.92	Pressure Gauge, Strain Gauge, Capacitive Transducer, LVDT Transducer	3
12	Kinematics of Machinery Laboratory	77.35	Static & Dynamic balancing, Motorized Gyroscope, Vibration Measuring System	2

(f) **Research laboratories:** NIL

**28. Number of students of the department getting financial assistance from College.**

Geethanjali College of Engineering and Technology is providing Scholarships to Students for their proven academic excellence. Raja Reddy Memorial Award for academic excellence is given to the topper in each branch for all years of students.

Name of Agency	No. of Students Received Financial Assistance			
	2015-16	2014-15	2013-14	2012-2013
Management of GCET (Sponsored by Teja Educational Society)	12	12	04	04

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

New programmes have not initiated.

**30. Does the department obtain feedback from**

**(a) Faculty on curriculum as well as teaching-learning evaluation? If yes, how does the department utilize it?**

The proposals of the course coordinators on the curriculum in the light of syllabi of GATE, IES, other premier institutions and the need of the industry are discussed in the departmental meetings and BOS and accordingly the syllabi are revised.

**(b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

In each semester, feedback of the course coordinators, course content, Teaching-learning-evaluation method is taken from the students. The HOD and Dean take the necessary action. The faculty members are apprised of the feedback.

**(c) Alumni and employers on the programmes and what is the response of the department to the same?**

Senior alumni and employers' representative are regularly invited to share their views and give feedback to make necessary changes on course contents/projects.

**31. List the distinguished alumni of the department (maximum 10)**

S. No.	Year of Passing from GCET, Achievements and current affiliations
1	ALLURI KAVYA SREE, 2016, Software Engineer, Tech Mahindra LTD
2	MOHD SIRAJ SIRAJ, 2016, Software Engineer, Tech Mahindra LTD
3	MARAKALA SHEETHAL, 2016, Software Engineer , Tech Mahindra LTD
4	T.T.K.MRUDULA, 2015, Software Engineer, DARKHORSE, Hyderabad
5	RITHEEKA RAI, 2015, Software Engineer, DARKHORSE, Hyderabad
6	KALVA ROHIT, 2015, Software Engineer, DARKHORSE, Hyderabad
7	P VENKATESH VARMA, 2015, Software Engineer, DARKHORSE, Hyderabad
8	T.ROHIT SINGH, 2015, Engineer, XL Dynamics
9	KALVA ROHIT, 2015, Software Engineer, Genpact
10	B RAMCHARAN RATHOD, 2015, Engineer, Radicon

**32. Give details of student enrichment programmes (special lectures/ workshops / seminar) with external experts.**

S. No	Program Title	Resource Person Designation Affiliation	Purpose of Visit	No. of Students Benefited
1	A Seminar on "Non Destructive Testing Methods	CVR Murty, Vice President (Learning and	Seminar	120

	(NDT)''	Development) Advanced Engineering Services, Hyderabad		
2	Seminar on Cutting edge technologies	Ramco Systems, Hyderabad	Seminar	60
3	Workshop on Robo arm development	Robo Genesys, Bangalore	workshop	125
4	Guest Lecture on II Law of Thermodynamics	Dr. NVSS.Gupta, JNTUH	Guest Lecture	60
5	Seminar on FEM Analysis	Dr.P.Ravinder Reddy	Seminar	150
6	Guest Lecture on Additive Manufacturing	Dr.A.Subhananada Rao	Guest Lecture	150
7	Development of New Class of Ductile Metallic-Ceramics	Dr.Bharat B.Panigrahi	Guest Lecture	150
8	New Vistas of Manufacturing Technologies for Automotive and Energy Sectors	Dr.Srinivasa Prakash Regalla	Guest Lecture	150
9	FEA using Ansys	M.Balaraj, Concurrent Engineering solutions	Workshop	85
10	Auto Spark (Automobile Mechanics & IC Engine Design)	Mr. Sumit chouby (Horizon MBS Group)	Workshop	79
11	Role of Mechanical Engineer in Power Section	Mr. V.B.Shankar (Turbo IIT)	Guest Lecture	117
12	Simulation & Simulation Process in Manufacturing Industry	Mr.Bharath, Head Projects(CADFEM INDIA LIMITED) Mr.Chaitanya (R & D Executive)	Pre Placement Talk Seminar	120
13	Soccer Robotics	SKYFI Labs	Workshop	195
14	Thermal Barrier Coatings	R. Sudarshan	seminar	120
15	LHR Engines	B. Subba Rao	Seminar	115
16	Mechanical and Physical properties of Al <sub>2</sub> O <sub>3</sub> SiC CMCs through DIMOX Process	Dr.M. Devaiah	Seminar	115
17	Method study, time study and Incentives Schemes	Prof. SV Gangadharam	Seminar	113

18	Burnishing Process	Dr. T. Siva Prasad	Seminar	115
19	Materials Management	Dr. T. Siva Prasad	Seminar	110
20	One day seminar on “ Make Mind your Best Friend”	Dr. T. Siva Prasad	Seminar	119
21	Two days Workshop on “CAD/CAE and its applications using AutoCAD & ANSYS”	Innovative Pvt Ltd, Hyderabad	Workshop	150
22	Expert lecture on Thermodynamics	J. Chidanandappa, NRSE, Balanagar	Expert lecture	125
23	Three days Workshop on “ Finite Element Analysis using Ansys”	M.Balaraj, Concurrent	Workshop	130
24	One day seminar on “ Nano Materials and Applications”	Dr. Ramanamurty	Seminar	115

**33. List the teaching methods adopted by the faculty for different programmes.**

- (i) Student Class Room, Seminars
- (ii) Visual Teaching Methods namely video lectures of reputed persons.
- (iii) Case-Study Approach
- (iv) JAM, Debates and Group discussions on Current Topics
- (v) Interactive learning
- (vi) Soft skills and Exposure to communication skills
- (vii) Open access to latest Digital Literature
- (viii) Organizing industry visits to understand contemporary industry practices

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Program Objectives, often referred to as Program Educational Objectives (PEOs) are communicated to the students along with the learning outcomes. To ensure the attainment of PEOs and learning outcomes, the following measures are taken:

From the objectives articulated, using Bloom’s Taxonomy,

5. Faculty specify a clear set of outcomes that all students shall achieve.
6. Faculty select, from the set of outcomes, those that should be given top priority. These are the learning outcomes that will be of most value to the students and are taught in a way that the students can comprehend with ease.



13. Faculty provide examples to students of what they will be able to do when they have achieved those outcomes.
14. Few additional extension outcomes provide some students with a much deeper understanding of the issues being studied.
15. Faculty teach detailed prerequisites that students must master before attempting to achieve each new outcome and ensure the same through several assessment methods.
16. Faculty plan and use several different teaching strategies that help students achieve the desired learning outcomes.
17. A variety of direct assessment methods comprising tests, assignments, homework problems, tutorial sessions, guided practice/laboratory sessions, etc provide both the teacher and the students with feedback on their progress towards the achievement of learning outcomes.

### **Direct Assessment Methods**

- Course-related assessment
  - ✓ Assignments / Projects
  - ✓ Case Studies
  - ✓ Classroom Assessment including Tutorials
  - ✓ Quizzes
  - ✓ Probing during and after lecture
  - ✓ Course-embedded Questions and Assignments
  - ✓ Essays
  - ✓ Theses, research and publications
- Presentations/Seminars, if any
- Standardized assessments (Internal Tests, End Exams)
- Other
  - ✓ Transcript analysis
  - ✓ Placement record of graduates

In addition, indirect assessment methods are also used, which are listed below.

### **Indirect Assessment Methods**

- Institutional and Program Surveys
  - Alumni Surveys

- Employer Surveys
- Graduating Seniors and Graduate Surveys
- Student Satisfaction Surveys
- Other
  - Focus groups
  - Interviews (faculty members, graduating students, alumni)

These outcome based course assessment and evaluation tools are a combination of the following:

1. Tutorials
2. Homework assignments
3. Quizzes
4. Exams (Internal Assessment tests, University End semester exams)
5. Class attendance and participation in class
6. Laboratory experimentation and laboratory written reports
7. Design Project, its written report and oral presentation
8. Computer simulation using C, MATLAB, ANSYS, etc
9. Prototype development, if any
10. Major project and teamwork
11. Course assessment/end survey (by students)
12. Instructor's teaching performance evaluation (by students).

#### **Parameters for assessment of Project Work**

Students' design project performance should be evaluated based on written reports and oral presentations. The key elements that the student had to demonstrate in their design project include, but not limited to the following:

- a. Were the objectives and purpose clearly stated?
- b. Was the problem well defined?
- c. Was the project properly justified (Why?) (Scientific, economic, value addition?)
- d. Was the design, analysis and modelling understood?
- e. Was the approach taken reached as part of a selection process?
- f. Are the results technically and economically feasible?
- g. Effective conclusions / recommendations?
- h. Quality of the work or design.
  - i. Was the content well organized?

- ii. Were there appropriate use of graphs, charts, board, audio-video, etc.
- iii. Was the message clearly delivered?
- iv. Was Teamwork evident in the design, implementation and presentation?

After having completed the exercise of assessment and evaluation of various outcomes, we need to map the following to check whether we have achieved our objective of providing outcome based education and to what extent.

- COs to POs and PSOs
- POs and PSOs to PEOs

Over and above the mapping of the above, we also obtain feedback from all stake holders on a periodical basis and we verify the attainment of the various outcomes.

- The level of understanding of the students is assessed by evaluating the assignments, internal examinations.
- Faculty use various other resources and teaching techniques which are heavily based on multimedia and assist students who do not master the required outcomes as quickly as other students.
- Mapping between the questions given in various assessment methods and course outcomes, course outcomes to program outcomes, program outcomes to PEOs ensures the desired attainment level of the students.
- Continuous progress of students is closely observed by mentor, and proper suggestions are given to the students based on their performance in class work and exams, for meeting the learning outcomes.
- Course coordinator ensures course requirements are met, program coordinator ensures the program requirements are met, which finally ensure that the learning outcomes are continuously monitored and finally the programme objectives are met.
- At the end of every semester, for each course, Course End Survey is carried out regularly with special emphasis on course outcomes. The same is being analyzed from time to time and necessary steps are being taken to meet the learning outcomes, program outcomes, and program objectives in the subsequent semesters.
- Every year various instruments are used to monitor to ensure whether the objectives of the program are met. Few of the instruments are as listed below:
  - a. student surveys

- b. informal interactions with students
- c. assessment of coursework relevancy,
- d. interaction with alumni and industry,
- e. collaboration with various professional / engineering organizations.

Based on this evaluation, strengths, weaknesses and opportunities in the program are identified. The implementation of the correction process is closely monitored by the Program Assessment Committee, then by the departmental assessment committee, which finally offers its recommendations to the decision making bodies such as the Board of Studies of the department and the College Academic Council.

**35. Highlight the participation of students and faculty in extension activities.**

Faculty and students of the department are actively involved in various extension activities organized by GCET.

**Students:**

- (i) Participation in Inter and Intra - University symposiums, paper presentations.
- (ii) Participation in cultural programs.
- (iii) Active participation in the department and institution level committees
- (iv) The NSS unit was started in our college in the academic year 2008-09 with around 250 volunteers. Mr. M. Ravindra Gandhi, Assistant Professor is the NSS Coordinators from the Department of Mechanical engineering.
- (v) The NSS unit of the college provides social and community service in the near by villages. The college has adopted the village in which the college is located. As part of this, several activities are conducted. A few of them are:
  - (vi) Blood Donation Camp
  - (vii) Health Camp
  - (viii) Dental Camp
  - (ix) Tree plantation
- (x) Table: NSS Student Volunteers List of ME Department

S.No	Roll No.	Name	Contact No.	Class
1	13R11A0329	MAHENDER	9989179280	IV Mech A
2	13R11A0312	MANISH KUMAR	9394725282	IV Mech A
3	13R11A0350	PRIYANKA	9989133438	IV Mech A
4	13R11A0304	MOUNIKA	9490745987	IV Mech A

5	13R11A0373	RAJESH	967686690	IV Mech B
6	13R11A0377	BHIKSHAPATHI	9948366596	IV Mech B
7	13R11A0378	GLENDER	984892208	IV Mech B
8	13R11A03A0	KRANTI	8121117205	IV Mech B

(xi) Around two hundred volunteers donated blood in each camp. The unit also organized a health camp to the benefit of villagers of Cheeryal village. Around 180 villagers were benefited by the camp. Books and stationery were collected from the staff and students of our college and were distributed to the students of Primary School, Harijanavada School of Cheeryal village. NSS volunteers planted trees in and around Cheeryal village.

(xii) Providing required school material to the poor children.

(xiii) The Head Master of MP Primary School of Cheeryal and the Head Masters of the Anganwadi Primary school at Cheeryal requested us to provide note books, pencils, etc. for their school children. The students who are joining these schools are really very poor and it is truly a service to the society. The NSS activities pitched in from the past three years. Proper accounts are maintained under NSS wing of GCET for the above.

**Faculty:**

- (i) Participation in administrative activities.
- (ii) Participation in student's welfare activities.
- (iii) Supervising students in various student societies.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

The topics of content beyond syllabus are implemented through industry visits, industrial training, Lectures from the industry experts and outside faculty. Apart from these they also participate in the technical fest/competition through group projects. These projects give them excellent opportunity to learn. We also involve them in workshop/ seminar/ extension lecture/ industry visit. They are also attached with teachers for research work

- Project Exhibition: conducted once a year - Students will make technical presentations via working and non-working models on topics of current significance and future trends
- BHASWARA-Technical Symposium: an Institute level event in which students participate in paper presentations, project demonstrations, poster presentations, ROBO

Quest etc. The institution has a Career guidance committee which conducts awareness programs by inviting eminent personalities from various industries which provides a career guidance for the students.

- CRT (Campus Recruitment Training): The institute conducts CRT classes from second year onwards which trains the students in aptitude, verbal & logical reasoning, group discussions. It also helps to improve their personality development skills.

BEC (Business English Certificate) and FL (Foreign Language): The institute provides an opportunity to the students to learn foreign languages and English certification course

**37. State whether the programme/ department is accredited/graded by other agencies.**

**Give details.**

Not Yet

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

In carrying out the SWOC analysis for Mechanical Engineering Program, a fair and a balanced approach has been adopted, taking into account all the facilities available under different sections. The evaluation of strengths and weaknesses are facilitated through surveys, questionnaires, information provided by various committees, documentation in the department, and also by the evidence provided by the faculty and other members of the department. While trying to figure out the opportunities and threats, the external influences are also taken into account. National and regional effects, influences and concerns are given paramount significance while deciding about the approach and plan of action to deal with weaknesses. Though no formal survey has been adopted to understand the opportunities and challenges, brainstorming, consulting people hailing from industry and discussions with senior faculty members, assessment of local, regional and international developments and a thorough review of existing conditions and literature of engineering education, has enabled us to identify the most relevant opportunities and threats.

**(a) Strengths**

- (i) Availability of qualified, experienced, and committed faculty.
- (ii) Well equipped laboratories with latest systems and required software.
- (iii) Research facility on advanced manufacturing.
- (iv) Friendly Student-Faculty college environment.
- (v) Well equipped central library with digital subscriptions.

**(b) Weaknesses**

- (i) Inability to foster closer integration of departmental activities to meet the needs of the industry
- (ii) Negligible collaboration with industry
- (iii) Lack of interdisciplinary interface with other departments and institutions of higher repute
- (iv) Students are lacking communication skills at the entry level as they are coming from rural areas.
- (v) Efforts needed to get industry – sponsored projects.

**(c) Opportunities**

- (i) Growing opportunities for self employment
- (ii) Adequate faculty to guide potential researchers
- (iii) Enhance employability to graduates with good industry institute interaction
- (iv) Enhanced Industry Interaction:
- (v) Entrepreneurship and Technology Incubation:

**(d) Challenges**

Less motivated and higher ranking students taking admission in the college

- (i) Increasing challenges with global institutions and new private universities.
- (ii) Revenue generation for sustainability: Increasing dependency on fee revenue and government support. A sustainable model needs to be followed.
- (iii) Shrinking Technology Cycle: With rapid change in technology, if upgrading of syllabus, lab-equipments and skills of faculty is not addressed constantly, learning and student outcomes, placement, research & consultancy and related plans might be affected adversely.
- (iv) Start PG Courses in CAD/CAM, Machine Design & Thermal Specialization and get senior faculty for those courses.
- (v) To compete with the best of the universities in the state and the country in attracting to get bright and talented students.

**39. Future plans of the department.**

- (i) Establish full-fledged EDC and CSR Cells of Excellence
- (ii) Encourage faculty and students to publish good quality research papers in national and international conferences, seminars and journals
- (iii) Establish a full-fledged Engineering Design centre.
- (iv) Guiding more faculty members towards Ph.D.
- (v) Establishing an Incubation Centre.
- (vi) Achieving 100% placements.



# Evaluative Report of Mechanical Engineering Department

## ANNEXURE-ME-A

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Remarks
<b>2016-17</b>						
1	Dr. T. Siva Prasad, (HOD & Professor)	Effect of Burnishing on Surface Properties of Ferrous and Non-Ferrous Metals	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 520-525 ISBN: 9788131427941 September 2016	
2	Dr. M. Devaiah, (Professor)	Effect of Burnishing on Surface Properties of Ferrous and Non-Ferrous Metals	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 520-525 ISBN: 9788131427941 September 2016	
3	D. Samuel John (Associate Professor)	Effect of Burnishing on Surface Properties of Ferrous and Non-Ferrous Metals	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 520-525 ISBN: 9788131427941 September 2016	
4	Dr. T. Siva Prasad (HOD & Professor)	Design and fabrication of solar powered lawn mower with linear blades	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 240-244 ISBN: 9788131427941 23 <sup>rd</sup> -24 <sup>th</sup> September 2016	
5	D.Samuel John,	Design and fabrication of solar powered lawn mower with linear blades	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 240-244 ISBN: 9788131427941 23 <sup>rd</sup> -24 <sup>th</sup> September 2016	

6	Dr. M. Devaiah,	Design and fabrication of solar powered lawn mower with linear blades	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 240-244 ISBN: 9788131427941 23 <sup>rd</sup> -24 <sup>th</sup> September 2016	
7	Dr. M. Devaiah, (Professor)	Agriculture Pesticide Sprayer using Solar Energy	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 348-352 ISBN: 9788131427941 23 <sup>rd</sup> -24 <sup>th</sup> September 2016	
8	B. Subba Rao, (Associate Professor)	Agriculture Pesticide Sprayer using Solar Energy	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 348-352 ISBN: 9788131427941 23 <sup>rd</sup> -24 <sup>th</sup> September 2016	
9	D. Samuel John, (Associate Professor)	Agriculture Pesticide Sprayer using Solar Energy	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 348-352 ISBN: 9788131427941 23 <sup>rd</sup> -24 <sup>th</sup> September 2016	
10	G. Jagan Naik. (Associate Professor)	Agriculture Pesticide Sprayer using Solar Energy	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 348-352 ISBN: 9788131427941 23 <sup>rd</sup> -24 <sup>th</sup> September 2016	
11	U. Sreekanth (Assistant Professor)	Experimental analysis of working characteristics of corn oil as an alternative fuel of diesel engine.	International journal	International Journal of Engineering Research and Technology(IJERT)	Vol-5 issue.9 Sept.2016	
12	K. Jithendar Reddy (Associate Professor)	Optimization of Welding Parameters in TIG Welded SS 301 Alloy using Taguchi Method	International journal	International Journal of Engineering Science and Computing,(IJESC)	Vol 6, Issue No:7 ISSN 2321 3361 July 2016.	
13	J. Nithin Kumar	Optimization of Welding Parameters in TIG Welded	International journal	International Journal of Engineering	Vol 6, Issue No:7	

	(Assistant Professor)	SS 301 Alloy using Taguchi Method		Science and Computing,(IJE SC)	ISSN 2321 3361 July 2016.	
14	K. Sreedhar (Assistant Professor)	Optimization of Welding Parameters in TIG Welded SS 301 Alloy using Taguchi Method	International journal	International Journal of Engineering Science and Computing,(IJE SC)	Vol 6, Issue No:7 ISSN 2321 3361 July 2016.	
15	Dr. M. Devaiah, (Professor)	Analysis on the impact of bullwhip effect (bwe) in supply chain management	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page no 233-239 ISBN: 9788131427941	
16	D.Samuel John, (Professor)	Analysis on the impact of bullwhip effect (bwe) in supply chain management	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page no 233-239 ISBN: 9788131427941	
17	B. Subba Rao (Associate Professor)	Analysis on the impact of bullwhip effect (bwe) in supply chain management	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page no 233-239 ISBN: 9788131427941	
18	B.Venkat Sravan Kumar (Assistant Professor)	Analysis of PLY drops of Composite Materials	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No: ISBN: 9788131427941 23 <sup>rd</sup> -24 <sup>th</sup> September 2016	
19	A.Santhosh (Assistant Professor)	Linear static and dynamic analysis of impeller type centrifugal pump with different materials	International journal	International journal of engineering science and computing (IJESC)	ISSN 2250-1371 Volume 6 Issue No.11, November 2016	
20	N Suresh	Design and Fatigue analysis of Choke valve body	International journal	International journal of science, engineering and technology	ISSN 2278-7798 Volume 5, Issue No.11	

				research (IJSETR)	November 2016	
21	Peram Laxmireddy, (Assistant Professor)	Experimental Analysis on Incompressible Fluid Jet through Passive Control Method	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 752-756 ISBN: 9788131427941 23 <sup>rd</sup> -24 <sup>th</sup> September 2016	
22	D.Samuel john, (Professor)	Experimental Analysis on Incompressible Fluid Jet through Passive Control Method	International Conference	Oral Presentation at Proceedings of International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016)	Page No 752-756 ISBN: 9788131427941 23 <sup>rd</sup> -24 <sup>th</sup> September 2016	
23	K. Niranjan Kumar (Assistant Professor)	Design and Analysis of Composite Drive Shaft	International journal	International Journal of Science, Engineering and Technology Research	January-2017	
24	N. Rajender (Assistant Professor)	Design and Analysis of Composite Drive Shaft	International journal	International Journal of Science, Engineering and Technology Research	January-2017	
25	Peram Laxmireddy, (Assistant Professor)	Experimental Analysis on In-compressible circular and non-circular Fluid Jet through Passive Control Method	International journal	IOSR Journal of Mechanical and Civil Engineering	e-ISSN: 2278-1684, p-ISSN : 2320-334X PP 15-21 10th & 11th of Dec, 2016	
26	Kola Praveen (Assistant Professor)	Laser Marking of Circular Grid Pattern for Plotting Strain Variation of Deep Drawing of Cylindrical Component	International journal	International journal & Magazine of Engineering, Technology, Management and Research.	ISSN No: 2348-4845 PP :743-748 November 25 <sup>th</sup> 2016	Impact Factor:3.5540
27	J Nithin Kumar (Assistant Professor)	Microstructure Analysis of TIG Welded SS 301 Alloy	International journal	International Research Journal of Engineering and Technology	2017	impact factor:5.181
28	K. Jithendar	Microstructure Analysis of	International	International	2017	impact

	Reddy (Associate Professor)	TIG Welded SS 301 Alloy	journal	Research Journal of Engineering and Technology		factor:5.181
29	K Sreedhar (Assistant Professor)	Microstructure Analysis of TIG Welded SS 301 Alloy	International journal	International Research Journal of Engineering and Technology	2017	impact factor:5.181
30	V.Sandeepa (Assistant Professor)	Experimental investigation on prototypes produced from selective laser sintering	International journal	International journal & Magazine of Engineering, Technology, Management and Research.	7-8 <sup>th</sup> December 2016 ISSN No: 2348-4845 PP:158-166	Impact Factor:3.5540
<b>2015-16 (June - May)</b>						
1	R. Sudarshan (Associate Professor)	“Effect of process parameters on the microstructure of solution precursor plasma spray YSZ coatings”	International conference	International conference on Technological Innovations in Mechanical Engineering ( TIME 2016 ) at CBIT, Gandipet, Hyderabad, Telangana, India.	February 10 <sup>th</sup> - 11 <sup>th</sup> - 2016	
2	D. Samuel John (Associate Professor)	Desirability through effective management of materials	International Journal	International Journal of Science, Engineering & Technology Research (IJSETR)	May, 2016 Vol, 5,ISSUE:5 pp1285-1294	
3	B. Subba Rao (Associate Professor)	Desirability through effective management of materials	International Journal	International Journal of Science, Engineering & Technology Research (IJSETR)	May, 2016 Vol, 5, ISSUE:5 pp1285-1294	
4	G.Gnana deepa, (Assistant Professor)	Fatigue Analysis of Choke Valve Body	International journal	International Journal of Scientific Engineering and Technology Research(IJSETR)	ISSN 2319-8885 Vol 05, Issue.10, May 2016, Pages 2120-2127	

5	D. Samuel John (Associate Professor)	Desirability Through Effective Management Of Materials	International journal	International Journal of Science, Engineering and Technology Research	ISSN: 2278 – 7798 May-2016	
6	K. Niranjana Kumar (Assistant Professor)	Static Analysis of Plate Made of Carbon/Epoxy Composite Material by Using ANSYS	International Journal	International Journal of Innovative Research in Science, Engineering and Technology	Volume 4, Issue 8, August 2015, pg : 10068- 10078.	
7	K. Niranjana Kumar (Assistant Professor)	Interlaminar shear stresses in Plate Made of Carbon/Epoxy Composite Material Using ANSYS	International Journal	International Journal of Innovative Research in Science, Engineering and Technology	Volume 4, Issue 10, October 2015, pg : 10079- 10090.	
8	N. Rajender (Assistant Professor)	Determination of Stress Pattern Using FEM on MPV during the Blast	International Journal	International Journal of Innovative Research in Science, Engineering and Technology	vol.5, Issue2, February 2016 ISSN(online): 2319-8753, ISSN(print): 2347-6710	
9	N. Rajender (Assistant Professor)	Micro Mechanical modeling of Fiber/Epoxy Unidirectional Laminates Using Fea	International Journal	International Journal of Engineering and Science	Volume 4 Issue 9 PP09-17,2015, ISSN(e): 2319-1813 ISSN(p): 2319-1805	Impact factor 1.325
10	K. Vijay (Assistant Professor)	Micro Mechanical modeling of Fiber/Epoxy Unidirectional Laminates Using Fea	International Journal	International Journal of Engineering and Science	Volume 4 Issue 9 PP09-17,2015, ISSN(e): 2319-1813 ISSN(p): 2319-1805	Impact factor 1.325
11	B Bhaskar (Assistant Professor)	computational fluid dynamic analysis of ground communication cabinet system	International Journal	International Journal of Engineering Sciences & Research Technology	volume 5 issue 1 pp: 108-119 2016	impact factor: 3.785

12	V Rajasekhar (Assistant Professor)	Micro Mechanical modeling of Fiber/Epoxy Unidirectional Laminates Using Fea	International Journal	International Journal of Engineering and Science	Volume 4 Issue 9 PP09-17,2015, ISSN(e): 2319-1813 ISSN(p): 2319-1805	Impact factor 1.325
13	V Rajasekhar (Assistant Professor)	Determination of Stress Pattern using FEM on MPV during blast	International Journal	International Journal of Innovative Research in Science, Engineering and Technology	volume 5 issue 2 pp: 1304-1312 2016	impact factor: 6.209
<b>2014-15 (June - May)</b>						
1	Dr. S. Ramana Murthy (Professor)	Preparation of Polymer+ferritenanocomp osites for EMI applications, Advanced polymer materials from nano length scales	International Journal	Material Science Materials in Electronics	Chapter 4 94-120, 11/2014	
2	Dr. S. Ramana Murthy (Professor)	“Multiferroic properties of microwave sintered BaTiO <sub>3</sub> -SrFe <sub>2</sub> O <sub>7</sub> composites SadhanaKatlakuntaa” 448, (2014)323-326	International Journal	Material Science Materials in Electronics	448, 323-326, 11/2014	
3	Dr. S. Ramana Murthy (Professor)	“Synthesis and characterization of NiCuZnFe <sub>2</sub> O <sub>4</sub> +paraformaldehyde nano composites prepared using mechanical milling process”	International Journal	Material Science Materials in Electronics	456 235-239, 11/2014	
4	Dr. S. Ramana Murthy (Professor)	“Structural and Magnetic properties of Zn substituted Nanocrystalline Co <sub>1-x</sub> Zn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub>	International Journal	Material Science Materials in Electronics	Focus 3, 291-299,11/2014	
5	Dr. S. Ramana Murthy (Professor)	Effect of Sm <sup>3+</sup> on dielectric and magnetic properties of Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> nano particles	International Journal	Material Science Materials in Electronics	11/(2014)25-30	

6	Dr. S. Ramana Murthy (Professor)	Microwave Hydrothermal Synthesis and Electromagnetic properties of Nanocrystalline Y <sub>3-x</sub> Dy <sub>x</sub> Fe <sub>50</sub> 12 garnets for microwave antenna applications	International Journal	Journal of Chem Tech.	Vol7,No.2,pp 2014-2015	
7	Dr. S. Ramana Murthy (Professor)	Metal/Polymer nanocomposites for EMI applications	International Journal	Journal of Chem Tech Research	Vol7,No.2,pp 539-546,2015	
8	J Nithin Kumar (Assistant Professor)	Finite Element Analysis of Sheet Metal Works for Deep Drawing in Manufacturing of Fly Wheel Cup	International Journal	International Journal of Engineering Research and Technology	volume 3 issue 9 pp:935-939 2014	impact factor: 1.76
<b>2013-14 (June - May)</b>						
1	R. Sudarshan (Associate Professor)	Thermal barrier coating for gas - turbine engine application	National conference	National conference at St. Joseph's College of Engineering & Technology, Palai, Kerala, India.	Jun. 2013	
2	B. Subba Rao (Associate Professor)	STUDIES ON EXHAUST EMISSIONS AND COMBUSTION CHARACTERISTICS OF TOBACCO SEED OIL IN CRUDE FORM AND BIODIESEL FROM A HIGH GRADE LOW HEAT REJECTION DIESEL ENGINE	International Journal	International Journal of Industrial Engineering & Technology (IJIET)	ISSN 2277-4769 Vol. 3, Issue 1, Mar 2013, 27-36 © TJPRC Pvt. Ltd.	
3	B. Subba Rao (Associate Professor)	POTENTIAL OF A HIGH GRADE LOW HEAT REJECTION DIESEL ENGINE WITH CRUDE TOBACCO SEED OIL	International Journal	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	ISSN 2249-6890 Vol. 3, Issue 1, Mar 2013, 61-78 © TJPRC Pvt. Ltd.	



4	B. Subba Rao (Associate Professor)	STUDIES ON LOW HEAT REJECTION DIESEL ENGINE WITH CRUDE TOBACCO SEED OIL	International Journal	International Journal of Mechanical Engineering (IJME)	ISSN 2319-2240 Vol. 2, Issue 1, Feb 2013, 87-102 © IASET	
5	D.Samuel john, (Professor)	“Simulation analysis of working conditions with alternative fuels for HCCI Engine”	International Journal	International Journal of Advanced Trends in Computer Science and Engineering	ISSN 2278-3091 2013	Citation Index:0,SNI P:0, SJR:0 SJImpact Factor:3.98 H-Index:0
6	D.Samuel john, (Professor)	Experimental investigation of mechanical behaviour of Glass-epoxy composites	International Journal	. International Journal of Advanced Trends in Computer Science and Engineering	ISSN 2278-3091 2013	Citation Index:0,SNI P:0, SJR:0 SJImpact Factor:3.98 H-Index:0
7	D.Samuel john, (Professor)	Elucidation & Impact of Customer Relationship Management on Performance of Firm	International Journal	International Journal of Advanced Trends in Computer Science and Engineering	ISSN 2278-3091 2013	Citation Index:0,SNI P:0, SJR:0 SJImpact Factor:3.98 H-Index:0

# Evaluative Report of Civil Engineering (CE) Department

## 1. Name of the Department & its year of establishment:

Name of the Department: Civil Engineering

Year of Establishment: 2014

## 2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

UG: B. Tech: Civil Engineering - 4 years full time course;

Current Intake = 120 (two sections)

## 3. Interdisciplinary courses and departments involved

For the current academic year 2016-17, the interdisciplinary courses and departments involved are listed as below.

S. No	Course Name	Year and Semester	Course offered by the Department
1	English-I	I - I	Humanities and Social Sciences
2	Engineering Physics	I - I	Humanities and Social Sciences
3	Mathematics – I	I - I	Humanities and Social Sciences
4	Introduction to Computer Programming	I - I	Computer Science and Engineering
5	Engineering Physics Laboratory	I - I	Humanities and Social Sciences
6	Computer Programming Laboratory	I - I	Computer Science and Engineering
7	Engineering Workshop (EWS) / Information Technology Workshop (ITWS)	I - I	Mechanical Engineering/ Computer Science and Engineering
8	English – II	I – II	Humanities and Social Sciences
9	Physics for Engineers	I - II	Humanities and Social Sciences
10	Mathematics – II	I – II	Humanities and Social Sciences
11	Engineering Chemistry	I – II	Humanities and Social Sciences
12	Environmental Studies	I – II	Humanities and Social Sciences
13	Basic Electrical and Electronics Engineering	I – II	Electrical and Electronics Engineering
14	English Laboratory	I – II	Humanities and Social Sciences
15	Engineering Chemistry Laboratory	I – II	Humanities and Social Sciences
16	Gender Sensitization	I – II	Humanities and Social Sciences
17	Mathematics – III	II – I	Humanities and Social Sciences
18	Computational Mathematics	II – I	Humanities and Social Sciences

	Laboratory		
19	Probability and Statistics	II – II	Humanities and Social Sciences
20	Advanced English Communication skills laboratory	III – I	Humanities and Social Sciences
21	Human values and Professional Ethics – Open Elective	III – II	Humanities and Social Sciences
22	Intellectual Property Rights – Open Elective	III – II	MBA
23	Industrial Safety and Hazards – Open Elective	III – II	Electrical and Electronics Engineering
24	Soft skills laboratory	III – II	Humanities and Social Sciences
25	Supply chain management – Open Elective	IV – I	MBA
26	Knowledge management – Open Elective	IV – I	Computer Science and Engineering
27	Energy Conservation and Management – Open Elective	IV – I	Electrical and Electronics Engineering
28	Foreign Language – Open Elective	IV – I	Humanities and Social Sciences
29	Banking and Insurance – Open Elective	IV – I	MBA
30	Entrepreneurship – Open Elective	IV – II	MBA
31	Actuarial Science – Open Elective	IV – II	Humanities and Social Sciences
32	Anthropology – Open Elective	IV – II	Humanities and Social Sciences

#### 4. Annual/ semester/choice based credit system

B.Tech Program – Current I year follows semester-wise Choice Based Credit System (CBCS) under Autonomous status with courses and credits prescribed for all the subjects as per the academic regulations approved by Department Board of Studies and Academic Council of the college. While II, III, and IV year follows semester system with courses and credits prescribed for all the subjects as per JNTU-Hyderabad.

#### 5. Participation of the department in the courses offered by other departments

Civil Engineering Department will provide their services to other departments to satisfy the academic requirements of department specific subjects as listed below.

S. No	Course Name	Year and Semester	Departments offered to
1	Engineering Drawing	I - I	EEE
2	Disaster Mitigation and Management (Open Elective)	III - II	CSE/ECE/EEE/ME

**6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

Faculty Designation	Sanctioned	Filled
Professors	3	3
Associate Professors	2	2
Assistant Professors	22	22
Total	27	27

**7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)**

Sl.no	Name of Staff Member	Qualification	Designation	Specialization	No. of Years of Experience (Teaching + Industry)	No. of Ph.D. Students guided for the last 4 years
1	Dr. P. Rama Mohan Rao	B.Tech., M.Tech., Ph.D.	Professor & Dean Academics	Hydraulics and Water Resources Engineering	31	-
2	G. R. Ravinder Reddy	B.E., M.E.	Professor	Geotechnical Engineering	30	-
3	S.Tirupati Rao	B.E., M.E	Professor	Transportation Engineering	15.5	-
4	P. Neeraja	B.Tech., M.E.	Associate Professor	Structural Engineering	10	-
5	S. Hari Kiran	B.E., M.S (USA)	Associate Professor	Environmental Engineering	10	-
6	G. Nithin Kumar Reddy	B.Tech., M.Tech	Assistant Professor	Structural Engineering	3.5	-
7	Md. Osman Ghani	B.Tech., M.Tech	Assistant Professor	Structural Engineering	1	-
8	B. Ravi Chand	B.Tech., M.Tech	Assistant Professor	Structural Engineering	3.5	-
9	G. Vani Sri	B.Tech., M.Tech	Assistant Professor	Structural Engineering	3	-
10	T. Sandeep	B.Tech., M.Tech	Assistant Professor	Structural Engineering	2.5	-

11	V. Goutham	B.Tech., M.Tech	Assistant Professor	Geomatics	7	-
12	D. Kishorebabu	B.Tech., M.Tech	Assistant Professor	Structural Engineering	4	-
13	G. Hemalatha	B.Tech., M.Tech	Assistant Professor	Structural Engineering	3	-
14	B. Kowshik Reddy	B.Tech., M.Tech	Assistant Professor	Structural Engineering	1	-
15	P. Supriya	B.Tech., M.Tech	Assistant Professor	Structural Engineering	2	-
16	J. Sreenivasa Prasad	B.Tech., M.Tech	Assistant Professor	Structural Engineering	9	-
17	R. Ashwini	B.Tech., M.Tech	Assistant Professor	Transportation Engineering	2	-
18	D. Ramachander	B.Tech., M.Tech	Assistant Professor	Structural Engineering	2	-
19	G.Raju	B.Tech., M.Tech	Assistant Professor	Transportation Engineering	2	-
20	P. Srikanth Reddy	B.Tech., M.Tech	Assistant Professor	Structural Engineering	7	-
21	G. Sampath Kumar	B.Tech., M.Tech	Assistant Professor	Structural Engineering	3	-
22	V. Sushma	B.Tech., M.Tech	Assistant Professor	Structural Engineering	1	-
23	S. Susmita	B.Tech., M.Tech	Assistant Professor	Soil Mechanics & Foundation Engineering	1	-
24	M. Satya Vidyadhari	B.Tech., M.Tech	Assistant Professor	Structural Engineering	2	-
25	K. Praveen Kumar	B.Tech., M.E.	Assistant Professor	Construction Engineering and Management	2	-
26	M. Kavitha	B.Tech., M.Tech	Assistant Professor	Structural Engineering	1	-
27	D. Varun Kumar	B.Tech., M.Tech	Assistant Professor	Structural Engineering	0.5	-

#### 8. Percentage of classes taken by temporary faculty – programme-wise information

The Civil Engineering Department has “NO” temporary faculty; all the faculty members

are regular faculty.

**9. Programme-wise Student Teacher Ratio**

UG, B.Tech Programme (Civil Engineering) – 8.9:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

Type of staff	Sanctioned	Filled
Support staff (technical)	2	2
Administrative staff	1	1

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.**

Civil Engineering department was established in the year 2014 and the first batch of students will pass out in 2018. The department has established laboratories with state-of-art equipment beyond the academic curriculum requirements to carry out research in Structural Engineering, Transportation Engineering, Geotechnical Engineering and Environmental Engineering. The department is in the process of preparing Consultancy brochure to reach the client requirements and is looking forward to offer services in the areas of Material testing, Structural Engineering, Environmental Engineering, Transportation Engineering, Geotechnical Engineering and Surveying. The Department is in the process of preparing project proposals to submit to various funding agencies such as AICTE, DST, APCOS, FIST, DBT and ICSSR.

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**

Civil Engineering department was established in the year 2014 and the first batch of students will pass out in 2018. The department has established laboratories with state-of-art equipment beyond the academic curriculum requirements to carry out research in Structural Engineering, Environmental Engineering, Transportation Engineering and Geotechnical Engineering. The department is in the process of preparing Consultancy brochure to reach the client requirements and is looking forward to offer services in the areas of Material testing, Structural Engineering, Environmental Engineering,

Transportation Engineering, Geotechnical Engineering and Surveying. The Department is in the process of preparing project proposals to submit to various funding agencies such as AICTE, DST, APCOS, FIST, DBT, ICSSR, etc.

**13. Research facility / centre with**

- **state recognition - Nil**
- **national recognition – Recognized as R&D center by DSIR (SIRO), Govt. of India (F.No. 11/532/2011-TU-V)**
- **international recognition - Nil**

The department becomes eligible to obtain NBA recognition only after two batches complete the four year B.Tech program. The second batch of B.Tech students will pass out in 2019 for NBA recognition.

**14. Publications:**

- \* Number of papers published in peer reviewed journals (national / international): **35**
- \* Monographs: **Nil**
- \* Chapter(s) in Books: **Nil**
- \* Editing Books: **Nil**
- \* Books with ISBN numbers with details of publishers: **Nil**
- \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **30**
- \* Citation Index – range / average : **Nil**
- \* SNIP: **Nil**
- \* SJR: **Nil**
- \* Impact factor – range / average – **0.7 to 5**
- \* h-index: **Nil**

**Summary Report of Publications**

S. No.	Publication Type: Peer reviewed Journals (national/ international)	Total Number			
		2016-17	2015-16	2014-15	2013-14
1	International Journals	6	11	10	3

2	National Journals	-	1	2	1
3	National Conferences	-	-	-	1

For details on specific Research Publications published/presented in Journals and/or Conferences please refer to **ANNEXURE-CE –A**

**15. Details of patents and income generated:** Nil.

**16. Areas of consultancy and income generated**

Civil Engineering department was established in the year 2014 and the first batch of students will pass out in 2018. The department has established laboratories with state-of-art equipment beyond the academic curriculum requirements to carry out research in Structural Engineering, Transportation Engineering, Geotechnical Engineering and Environmental Engineering. The department is in the process of preparing Consultancy brochure to reach the client requirements and is looking forward to offer services in the areas of Material testing, Structural Engineering, Environmental Engineering, Transportation Engineering, Geotechnical Engineering and Surveying.

**17. Faculty recharging strategies**

The department is in continuous process of upgrading the skills of the faculty members in the current research areas and also to align themselves with the happenings in the field of Civil Engineering.

- In the process, department encourages faculty members to participate in National and International symposiums, Seminars, Workshops, Faculty Development Programs and Short term courses organized by the institutions of national repute such as IITs, NITs, IIITs, and Universities.
- The department organizes Faculty Development Programs and Guest lectures in the college.
- Faculty is encouraged to pursue higher studies such as doctoral program.
- Faculty is encouraged to present papers in national/ international journals and conferences.

Please refer to **ANNEXURE- CE – B** which lists the various recharging strategies adopted by the department.

**18. Student projects**

The Civil Engineering department was established in the year 2014 and the first batch of



students are in III year II semester currently. The department plans to carry out Industry oriented projects for their Industry oriented Mini Projects during III year II semester vacation period for a 3 week duration at reputed industries such as Hyderabad Municipal Water Supply and Sewerage Board (HMWSSB), Hyderabad Metro Development Authority (HMDA), Greater Hyderabad Municipal Corporation (GHMC), Cement industries, Irrigation Department and other Major construction companies and government agencies. The final year main project work will be In-house projects or in collaboration with Industries/ Institutions during IV year II semester. Both project works will be guided by our department faculty.

**19. Awards / recognitions received at the national and international level by**

- **Faculty:** NIL
- **Doctoral / post doctoral fellows:** NIL
- **Students:** Merit Scholarship:
  - ❖ The scholarship is provided to the topper in branch for all years of students.
  - ❖ The following are details of Civil Engineering students who received Shri Raja Reddy Memorial Scholarship (from M/s. Teja Educational Society):

**2015-16**

S. No.	Year	Roll No	Name Of The Student	%	Rank	Prize Money (Rs)
1	I YEAR	15R11A0105	Chidura Rachana	76.7	I	5000
		15R11A0178	P Bhanu Kumar Reddy	74.7	II	4000
		15R11A0112	G Bheem Reddy	71.3	III	3000
2	II YEAR	14R11A0119	Maddula Manorama Reddy	76.95	I	5000
		14R11A0160	J Harish Kumar	70.92	II	4000
		14R11A0133	Punyapu Venkata Shravani	69.84	III	2000

**2014 -2015**

S.No.	Year	Roll No	Name Of The Student	%	Rank	Prize Money (Rs)
1	I YEAR	14R11A0119	M. Manorama Reddy	81.4%	I	5000
		14R11A0182	Y. Venkata Mohan Reddy	73.7%	II	4000
		14R11A0160	J. Harish Kumar	72.6%	III	3000

**20. Seminars/ Conferences/Workshops organized and the source of funding (national/**

**international) with details of outstanding participants, if any.**

The following are the list of FDPs and Guest lectures organized by the department:

S.No	Module Description	Resource persons	Dates conducted on
<b>FDPs</b>			
1	3 Days FDP on Design and Detailing of Reinforced Concrete structures – College Management has provided funding.	1. <b>Prof.P.SrinivasSarma</b> , Professor, Civil EnggDept, CBIT. 2. <b>Dr. B.D.V. Chandra Mohan Rao</b> , Professor, Civil EnggDept, VNR VJIET. 3. <b>Prof. V. Mallikarjun Reddy</b> , Professor, Civil EnggDept, GRIET.	June 08 to 10, 2016
<b>Guest lectures</b>			
S.No	Module Description	Resource persons	Dates conducted on
1	Advancements of Admixtures in Concrete - College Management has provided funding.	<b>Mr.G. Ravi Kumar</b> , BASF.	August 02, 2016
2	Civil Engineering Opportunities – College Management has provided funding	<b>Mr. Ram Jagadesh</b> , Director, JH Academy.	Dec 23, 2016
3	Engineering Mechanics – Dynamics of particles – College Management has provided funding	<b>Mr. A. Nelson</b> , Consulting Engineer and Engineering Mechanics Author	January 30, 2017

### 21. Student profile course-wise:

Profile of the students in various programs as in Q. No.2 is as given below. It may kindly be noted that the admissions are made based on the EAMCET ranks and the allotments are made by the Convener, EAMCET until the quota of seats are filled. Hence, in the table below, instead of **the number of received applications**, stated is **the Sanctioned Intake** each UG or PG batch Year-wise

Course (refer question no. 2)	Admitted in the Academic Year	Applications Received	Selected		Pass percentage	
			Male	Female	Male	Female

B.Tech., Civil Engineering	2014 – 18	120	61	11	First batch will be passing out in 2018
B.Tech., Civil Engineering	2015 – 19	120	75	12	
B.Tech., Civil Engineering	2016 – 20	120	82	24	

## 22. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of Students from other States	% of students from other countries
B.Tech., Civil Engineering	-	99.997%	0%	0.0031%

## 23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Civil Engineering department was established in the year 2014 and the first batch of students will pass out in 2018 to attempt national and state level competitive examinations.

## 24. Student progression

Student progression	Percentage against enrolled
UG to PG	N/A as first batch is in 3 <sup>rd</sup> year
PG to M.Phil.	N/A
PG to Ph.D.	N/A
Ph.D. to Post-Doctoral	N/A
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	N/A as first batch is in 3 <sup>rd</sup> year
Entrepreneurs	N/A as first batch is in 3 <sup>rd</sup> year

## 25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	56%
from other universities within the state	18%
from other universities from other states	26%

## 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Faculty members are in the process of applying for doctoral programs in different Universities.

## 27. Present details about infrastructural facilities

### a. Library

The Main library has the following number text books and Journal subscriptions towards B.Tech Civil Engineering programme to update faculty and students about the recent developments in the thrust areas of Civil Engineering.

No. of Titles	No. of Volumes	No. of Journals
184	1250	30

The Department has its own Library in addition to the Central Library with the following number of titles and volumes. The department is currently in the process of procuring more journals and books by reputed authors.

No. of Titles	No. of Volumes	No. of Computers with printer and internet facility	Library Plinth Area
69	72	01	25 sqm

### b. Internet facilities for staff and students

All the staff and Students can use internet facility in the department.

#### Internet Service Providers:

Vainavi Communications (P) Ltd - (48 Mbps)

Excel Media (P) Ltd - (16 Mbps)

### c. Total number of class rooms:

The Civil Engineering department currently has 06 class rooms for B.Tech programme.

**d. Class rooms with ICT facility:**

Any class room can be provided with ICT facility with the exclusive LCD projectors and Laptops available in the department. Besides, Seminar Hall is equipped with LCD projector.

**e. Students' laboratories:**

The Department has 9 modern laboratories to serve the teaching and research needs of the students and faculty of the Department.

**Table: Lab Details of CIVIL Department**

Si.No.	Name of the Department	UG / PG	Name of the Lab	Room No.	Area
1	CIVIL	UG	Strength Of Materials	NG-01 & 02	117.3 Sq.Mtrs
2	CIVIL	UG	Surveying	N216	66.3 Sq.Mtrs
3	CIVIL	UG	Engineering Geology	N301	71.1 Sq.Mtrs
4	CIVIL	UG	Concrete Technology	WS-8	121.6sq.mtrs
5	CIVIL	UG	Fluid mechanics and Hydraulic Machinery	WS-6	208.1 sq.mtrs
6	CIVIL	UG	Geotechnical Engineering	WS-9	72.7sq.mtrs
7	CIVIL	UG	Highway materials testing	WS-7	88.2 sq.mtrs
8	CIVIL	UG	Environmental Engineering	N320	66.3 sq.mtrs

**f. Research laboratories:** Advanced equipment is provided in each laboratory for research purpose.

**28. Number of students of the department getting financial assistance from College.**

**Table: Scholarship details of Civil Engineering department (last four years)**

No	Name of Agency	No. of Students Received Financial Assistance in AY			
		2016-17	2015-16	2014-15	2013-14
1	Institution	-	-	-	NA

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

India becoming most dependable for qualified experts in Information technology and service sector, technical education was focused on information technology and its allied branches for the past two decades. However this has led to the exponential demand for construction of better infrastructural and building residential neighborhoods. Institution

has assessed the need to start UG in Civil Engineering in the following manner.

- It has been observed through EAMCET admission data that, Institutions offering Civil Engineering program are very less in comparison with Information technology and its allied program for the last two decades.
- Shortage of sufficient number of civil engineering graduates for the implementation of infrastructural projects, irrigation and industrial projects.
- Based on the published articles in public media, it is ascertained that there was shortage and insufficient number of qualified and eligible candidates for State and Central government organizations such as Irrigation & CAD, Panchyatraj, Road and Buildings, etc.

**30. Does the department obtain feedback from**

**a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

- Faculty feedback on course curriculum is discussed during the Department Board of studies (BOS) meeting which is conducted once in a year. The BOS committee consists of members from reputed institutions like IIT's, NIT's, IIIT's, universities, one member nominated from parent university, industry expert and department faculty members.
- The syllabus coverage by the faculty is assessed every week in their weekly report submitted to the Head of the Department (HOD). If any shortage in syllabus coverage is observed then those faculty will be counseled and properly guided by the HOD.
- The academic performance of students is assessed through mid-examinations, assignments, tutorials, labs, etc.
- The faculty members are counseled by the Head of the Department, if there are more number of failures in the subject taught by them.

**b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

- Feedback is collected from the students regarding the staff, curriculum and teaching-learning evaluation twice in a semester for every subject.
- Based on students feedback, if required, faculty is counseled by the Head of the Department to improve their teaching skills.

- Technical experts from reputed institutions, organizations and industries are invited to conduct seminars, guest lectures and workshops to expose students to the latest advancements in the field of civil engineering.

**c. Alumni and employers on the programmes and what is the response of the department to the same?**

- Civil Engineering department was established in the year 2014 and the first batch of students will pass out in 2018 and hence there are no alumni from the department.
- Based on the current expectations from employers from civil engineering employees, emphasis on certain topics of the subjects has been introduced in choice based credit system.

**31. List the distinguished alumni of the department (maximum 10):**

Civil Engineering department was established in the year 2014 and the first batch of students will pass out in 2018 and hence there are no alumni from the department.

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

From the inception of the department students are actively taking part in the technical fest (BHASWARA) organized by the college. On September 17, 2016 Civil Engineering Students Association (CESA) was formed with 2014 and 2015 admitted students. The objective of the CESA is to organize Guest lectures by prominent personalities from industry and academia in addition to organizing student seminars and technical quizzes.

<b>Guest lectures</b>			
<b>S.No</b>	<b>Module Description</b>	<b>Resource persons</b>	<b>Dates conducted on</b>
1	Advancements of Admixtures in Concrete - College Management has provided funding.	<b>Mr.G. Ravi Kumar,</b> BASF.	August 02, 2016
2	Civil Engineering Opportunities – College Management has provided funding	<b>Mr. Ram Jagadesh,</b> Director, JH Academy.	Dec 23, 2016
3	Engineering Mechanics – Dynamics of particles – College Management has provided funding	<b>Mr. A. Nelson,</b> Consulting Engineer at Structures America Ltd. and author of Engineering Mechanics textbook.	January 30, 2017

The department also organizes one day industrial visit to the students. The following visits have been organized by the department for Civil Engineering students:

- 1) One day visit to L&T Construction Skills Training Institute (CSTI) on September 10, 2016 and October 01, 2016 for III year students to expose them to the construction practices employed in Civil Engineering structures.
- 2) One day visit to National Academy of Construction (NAC) at Hi-tech city, Hyderabad for II year students on February 10, 2017.

The Department also organizes guest lectures on thrust areas in the field of Civil Engineering by prominent personalities from industry and academia.

**33. List the teaching methods adopted by the faculty for different programmes.**

- Visual teaching methods namely, chalk board, video lectures of reputed institutions, LCD projector, NPTEL lectures, etc.
- Conducting tutorials and assignment as part of the regular class work.
- Department organizes Seminars, workshops, Technical Quizzes, and Guest lectures.
- Faculty members prepare Course files, Lab manuals & lecture notes for all subjects
- Development of student support material for average and below average learners and enthusiastic learners.
- Encouraging Mini Projects as a part of project method of teaching.
- Formulation of cooperative learning groups to improve peer group interaction.
- Industrial and site visits are arranged regularly for students to expose them to latest technology.
- Our Institute offers departmental libraries which can be made use by students to enhance their knowledge.
- Students are encouraged to conduct and participate in technical events involving design, analysis & modeling of Structures.
- Tutorial classes are conducted in all subjects with a view to have a clear understanding of the complex concepts.
- During regular sessions, the students are trained in college for campus recruitments through a program called CRT ( Campus Recruitment Training) and at present these classes are conducted by Triumphant Institute of Management Education (TIME), Hyderabad.



- Institute periodically conducts technical events like BHASWARA, Project Exhibition, etc., for the students to familiarize with the contents beyond curriculum.
- The students are encouraged to become members of student chapters of ICI, IEI, ISTE and students get exposed to advanced technologies through seminars, workshops etc., conducted by them.
- Students are motivated to give seminars on contemporary technical topics.
- Students are encouraged to participate in Paper Presentations, Project Presentations, Workshops and National Seminars.
- National and International Technical Journals are available in the Library to upgrade their knowledge and skills.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Program Objectives, often referred to as Program Educational Objectives (PEOs) are communicated to the students along with the learning outcomes. To ensure the attainment of PEOs and learning outcomes, the following measures are taken:

From the objectives articulated, using Bloom's Taxonomy,

1. Faculty specify a clear set of outcomes that all students shall achieve.
2. Faculty select, from the set of outcomes, those that should be given top priority. These are the learning outcomes that will be of most value to the students and are taught in a way that the students can comprehend with ease.
3. Faculty provide examples to students of what they will be able to do when they have achieved those outcomes.
4. Few additional extension outcomes provide some students with a much deeper understanding of the issues being studied.
5. Faculty teach detailed prerequisites that students must master before attempting to achieve each new outcome and ensure the same through several assessment methods.
6. Faculty plan and use several different teaching strategies that help students achieve the desired learning outcomes.
7. A variety of direct assessment methods comprising tests, assignments, homework problems, tutorial sessions, guided practice/laboratory sessions, etc provide both the

teacher and the students with feedback on their progress towards the achievement of learning outcomes.

### **Direct Assessment Methods**

- Course-related assessment
  - ✓ Assignments / Projects
  - ✓ Case Studies
  - ✓ Classroom Assessment including Tutorials
  - ✓ Quizzes
  - ✓ Probing during and after lecture
  - ✓ Course-embedded Questions and Assignments
  - ✓ Essays
  - ✓ Theses, research and publications
- Presentations/Seminars, if any
- Standardized assessments (Internal Tests, End Exams)
- Other
  - ✓ Transcript analysis
  - ✓ Placement record of graduates

In addition, indirect assessment methods are also used, which are listed below.

### **Indirect Assessment Methods**

- Institutional and Program Surveys
  - Alumni Surveys
  - Employer Surveys
  - Graduating Seniors and Graduate Surveys
  - Student Satisfaction Surveys
- Other
  - Focus groups
  - Interviews (faculty members, graduating students, alumni)

These outcome based course assessment and evaluation tools are a combination of the following:

1. Tutorials
2. Homework assignments

3. Quizzes
4. Exams (Internal Assessment tests, University End semester exams)
5. Class attendance and participation in class
6. Laboratory experimentation and laboratory written reports
7. Design Project, its written report and oral presentation
8. Computer simulation using C, MATLAB, ANSYS, etc
9. Prototype development, if any
10. Major project and teamwork
11. Course assessment/end survey (by students)
12. Instructor's teaching performance evaluation (by students).

### **Parameters for assessment of Project Work**

Students' design project performance should be evaluated based on written reports and oral presentations. The key elements that the student had to demonstrate in their design project include, but not limited to the following:

- a. Were the objectives and purpose clearly stated?
- b. Was the problem well defined?
- c. Was the project properly justified (Why?) (Scientific, economic, value addition?)
- d. Was the design, analysis and modelling understood?
- e. Was the approach taken reached as part of a selection process?
- f. Are the results technically and economically feasible?
- g. Effective conclusions / recommendations?
- h. Quality of the work or design.
  - i. Was the content well organized?
  - ii. Were there appropriate use of graphs, charts, board, audio-video, etc.
  - iii. Was the message clearly delivered?
  - iv. Was Teamwork evident in the design, implementation and presentation?

After having completed the exercise of assessment and evaluation of various outcomes, we need to map the following to check whether we have achieved our objective of providing outcome based education and to what extent.

- COs to POs and PSOs
- POs and PSOs to PEOs

Over and above the mapping of the above, we also obtain feedback from all stake holders on a periodical basis and we verify the attainment of the various outcomes.

- The level of understanding of the students is assessed by evaluating the assignments, internal examinations.
- Faculty use various other resources and teaching techniques which are heavily based on multimedia and assist students who do not master the required outcomes as quickly as other students.
- Mapping between the questions given in various assessment methods and course outcomes, course outcomes to program outcomes, program outcomes to PEOs ensures the desired attainment level of the students.
- Continuous progress of students is closely observed by mentor, and proper suggestions are given to the students based on their performance in class work and exams, for meeting the learning outcomes.
- Course coordinator ensures course requirements are met, program coordinator ensures the program requirements are met, which finally ensure that the learning outcomes are continuously monitored and finally the programme objectives are met.
- At the end of every semester, for each course, Course End Survey is carried out regularly with special emphasis on course outcomes. The same is being analyzed from time to time and necessary steps are being taken to meet the learning outcomes, program outcomes, and program objectives in the subsequent semesters.
- Every year various instruments are used to monitor to ensure whether the objectives of the program are met. Few of the instruments are as listed below:
  - a. student surveys
  - b. informal interactions with students
  - c. assessment of coursework relevancy,
  - d. interaction with alumni and industry,
  - e. collaboration with various professional / engineering organizations.

Based on this evaluation, strengths, weaknesses and opportunities in the program are identified. The implementation of the correction process is closely monitored by the Program Assessment Committee, then by the departmental assessment committee, which finally offers its recommendations to the decision making bodies such as the Board of Studies of the department

and the College Academic Council.

**35. Highlight the participation of students and faculty in extension activities.**

**NSS activities:**

The following are NSS Coordinators from the Dept. of Civil Engineering

1. Mr. G. Nithin Kumar Reddy, Assistant Professor

- The NSS unit of the college provides social and community service in the nearby villages. The college has adopted the village in which the college is located. As part of this, several activities are conducted. A few of them are:

1. Blood Donation Camp
2. Health Camp
3. Dental Camp
4. Tree plantation
5. Government school camp

A stationery items distribution campaign was held in Yadgarpally, Cheeryal Village where notebooks, pens, scales, erasers, picture charts, maps, bags and other needful items were distributed to Government school children on August 06, 2016. The total number of participants for this event was 20 including student volunteers.

A dust free campaign was held at Secunderabad Railway station with 60 participants on September 09, 2016. The purpose of the program was to create awareness on making the city dust-free along with Swachh Bharat Mission. A speech was delivered by the city SP, ACP and DCP on health-affects, environmental impacts and various measures to reduce dust content in Hyderabad. After the speech, volunteers participated in cleaning the surroundings of Secunderabad Railway station as part of Swachh Bharat program.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

The topics of content beyond syllabus are implemented through industry visits, industrial training, Lectures from the industry experts and outside faculty. Apart from these they also participate in the technical fest/competition through group projects. These projects give them excellent opportunity to learn. We also involve them in workshop/ seminar/ extension lecture/ industry visit. They are also attached with teachers for research work

- Project Exhibition: conducted once a year - Students will make technical presentations via working and non-working models on topics of current significance and future trends

- BHASWARA-Technical Symposium: an Institute level event in which students participate in paper presentations, project demonstrations, poster presentations, ROBO Quest etc. The institution has a Career guidance committee which conducts awareness programs by inviting eminent personalities from various industries which provides a career guidance for the students.
- CRT (Campus Recruitment Training): The institute conducts CRT classes from second year onwards which trains the students in aptitude, verbal & logical reasoning, group discussions. It also helps to improve their personality development skills.

BEC (Business English Certificate) and FL (Foreign Language): The institute provides an opportunity to the students to learn foreign languages and English certification course

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

As the first batch of Civil Engineering students are in third year second semester, the department requires two more years (i.e. 2019-2020 academic year) to get eligibility to apply to NBA.

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths:**

- Availability of qualified and experienced faculty members from reputed institutions with excellent background with a blend of teaching and industrial experience.
- Some of the faculties have international experience, which can be used to explore global competence and implementing international pedagogy.
- Well-equipped and spacious laboratories.
- Committed faculty with efficient teaming up skills.
- Eminent professors from the reputed universities associated with the department.
- Frequent organization of Guest lectures and Workshops on on-going projects by academicians from IITs, NITs, BITS, Universities within the country and outside the country and industries.

**Weaknesses:**

- Non availability of faculty members at the associate professor level in particular Ph.D holders.

- Non availability of qualified supporting staff in laboratories.
- Negligible collaboration with industry
- Students are lacking communication skills at the entry level as they are coming from rural areas.

#### **Opportunities:**

- To offer quality education and improve the work productivity of the students to make them better employable.
- Hyderabad being rich in Infrastructure, Construction and with large number of faculty in the age group of 30 to 40 who are currently in the process of applying for doctoral programs at state universities would contribute immensely to various construction companies through training and consultancy, upon the completion of their Ph.D. Also, there are good job opportunities to the CIVIL students in INDIA, WESTERN & GULF COUNTRIES, as there are many CONSTRUCTION works are going on.
- **Telangana State Chief Minister** has started prestigious project of **WATER GRID** and **MISSION KAKATIYA**, which generates thousands of jobs to CIVIL Engineers when they step out with degree.
- Encouragement to pursue research by applying for sponsored projects funded by AICTE, UGC, DST, etc.
- To offer flexible curriculum to meet the current civil engineering intellectual demands.

#### **Challenges:**

- Owing to the fact that the department is relatively young, it is unable to attract top rankers (better quality) students to take up admission.
- The college has very good transportation facility. But, it is located on the outskirts of Hyderabad. The commuting time is more for many students and faculty.
- Industry and Institution interaction.
- Attracting candidates with Ph.D qualification.
- Revenue generation for sustainability: Increasing dependency on fee revenue and government support. A sustainable model needs to be followed.

### **39. Future plans of the department.**

- To get accredited by NBA as soon as the department gets the eligibility.
- To initiate M.Tech program in Structural Engineering, Transportation Engineering and Geotechnical Engineering.
- To establish centers of excellence in the specialized areas of civil engineering.
- To generate revenue from consultancy and material testing works.
- To strengthen R&D activities.
- To offer community services to the nearby villages through quality testing of drinking water, testing the water bodies polluted by discharging industrial wastes, untreated sanitary wastewater and agricultural runoff.
- To improve academic qualification of the faculty by encouraging them to pursue their Ph.D's and achieve highest competency in their field of interest by participating in conferences by publishing journals and attending workshops.



# Civil Engineering Department Evaluative Report Annexures

**ANNEXURE-CE – A: Research Publications Presented In Journals and Conferences in the last four academic years**

S.No	Name of the faculty	Title of Research Publication	International/ National Journal	Name of the Journal/ Conference	Date of Publication/ Presentation
1	P.Ram Mohan Rao (with M.Krishnaveni and D.Rama Devi )	<b>A High Performance Clock Gated Flipflops Design Using Auto Gating Technique</b>	International	International Journal & Magazine of Engineering,Technology, management and Research, Vol.2, Issue No.9.	Sep 2015
2	P.Ram Mohan Rao ( with P.Naresh and B.Ramya )	<b>Implementation of Novel High Radix Multiplier Using KOGGE Stone Adder,”</b>	International	An International Journal & Magazine of Engineering,Technology, Management and Research,Vol.2, Issue No.8, pp 1468-1473.	Aug 2015
3	P.Ram Mohan Rao ( with J.Kishanlal and SuhailAfroj Mohammad )	<b>High Speed Floating Point Rns based Mac Unit using Vedic Multiplier,</b>	International	An International Journal & Magazine of Engineering,Technology, Management and Research, Vol.2,Issue No.8, pp 1222-1227	Aug 2015
4	P.Ram Mohan Rao (with M. Divyasree and N.Aravind)	<b>Implementation of Optimized Reconfigurable Built-in Self-Repair Scheme for RAMs in SOCs</b>	National	Yuva Engineers, Vol.4, Issue No.8,pp 16-21	July 2015

5	P.Ram Mohan Rao ( with K.Srikanth and N.Raj Kumar ),	<b>A Novel High Radix Booth Multiplication Algorithm for High Speed Arithmetic Logics,</b>	International	An International Journal & Magazine of Engineering,Technology, Management and research, Vol.2,Issue No.6, pp610-616,	June 2015
6	P.Ram Mohan Rao (with J Sravan Kumar and Ch. Nishanthi)	<b>Optimized Multiplier Using Reversible Complex Multipliers</b>	International	An International Journal & Magazine of Engineering, Technology, Management and Research, Vol.2, Issue No.6,pp 138-143,	June 2015.
7	P.Rammohan Rao (with N.Aravind and M.Divyasree)	<b>Implementation of Optimized Reconfigurable Built-in Self-Repair Scheme for RAMs in SOCs</b>	International	An International Journal & Magazine of Engineering, Technology, Management and Research,Vol.2,Issue No.6,pp 131-137	June 2015
8	P.Ram Mohan Rao (with T.V. Singh and K.KumaraSwamy),	<b>Design and Implementation of Aging –Aware Reliable Multiplier by Using Booth Algorithm</b>	International	An International Journal & Magazine of Engineering, Technology, Management and Research,Vol.2,Issue No.5,pp 288-293,	May 2015.
9	P.Ram Mohan Rao (with D Ravindra Reddy and D Rama Devi)	<b>A Novel Architecture for Booth Multiplier Using MCSLA and CBL</b>	International	An International Journal & Magazine of Engineering, Technology, Management and Research, Vol.2, Issue No.6, 252-258.	May 2015
10	P.Ram Mohan Rao (with K.Vamsi Krishna and	<b>Municipal Solid Waste Management using Landfills in</b>	International	International Journal of Engineering Research & Technology, Vol.4, Issue 2, pp 1047-1054,.	Feb 2015

	Dr.Venkateswar a Reddy)	<b>Hyderabad city</b>			
11	P.Ram Mohan Rao ( with V.Vijay Kumar )	<b>Digitalization of Library Resources and the Formation of Digital Libraries : A Practical Approach</b>	Internatio nal	International Journal & Magazine of Engineering, Technology, Management and Research, Vol.1, Issue No. 12, pp 69-71,	Dec 2014
12	P.Ram Mohan Rao ( with V.Vijay Kumar and J.Praveen Kumar),	<b>Enactment Exploration of Cloud Structure for Virtual Pcs</b>	Internatio nal	Yuva Engineers, Vol.3, Issue No. 12, pp 22-24,	Nov 2014.
13	S. Hari Kiran	An overview of Green Building and Sustainable design with an emphasis on LEED	National	“The Institution of Engineers” Journal	Sep 2013
14	G Nithin Kumar Reddy	Partial Replacement of Sodium Bentonite and polymer balls on Cement Mortar	Internatio nal	International Journal of Scientific Research, P 296 Vol 4, Issue 5, ISSN No. 2277-8a79	May 2015
15	G Nithin Kumar Reddy	Partial Replacement of sugarcane bagasse ash in concrete and its behavior in aggressive environments	Internatio nal	IOSR JMCE, ISSN No: 2278/1684, Pg no: 29-35	Dec 2016
16	D. Kishore Babu	Experimental Investigation on Performance of Concrete with GGBS as admixture at complete replacement of fine aggregate with steel slag.	National	ACEID-2014, 6-7.Pp.49- 55.	Feb,20 14.
17	P.Supriya	“An Efficient design and analysis of column-beam system & slab-wall system in concrete building”	Internatio nal	International journal of Global Innovations, Vol- 3, Issue 1	July 2015

18	P.Supriya	Experimental Investigation of M40 grade on self compacting concrete using Mineral admixtures	International	International journal of Advanced Research foundation, Vol-3 , Issue-2	February 2016
19	P.Supriya and G.Raju	Replacement of river sand with rock dust at higher grades	International	IJTICES, ISSN No: 2455-2585, Vol 2, Issue 12	December 2016
20	T.Sandeep	Seismic Vulnerability Of Multistoried Buildings With Ground Soft Story And With Infill's	International	International Journal of Engineering Research & Technology, IJERT, Vol. 3 Issue 6, ISSN: 2278-0181	June – 2014
21	T. Sandeep	Earthquake Resistance Design- Impact on Cost of Reinforced Concrete Buildings,	International	International Journal of Modern Engineering Research IJMER, Vol. 4, Iss. 6, ISSN: 2249–6645	June 2014
22	T. Sandeep	Recron Medium Strength Fibre Reinforced Concrete, International Journal in IT and Engineering ,	International	IJITE Vol.03 Issue-05, ISSN: 2321-1776	June 2015
23	T. Sandeep	High Volume Fly Ash Concrete In Construction	International	IJITE Vol.03 Issue-06, ISSN: 2321-1776	May 2015
24	T. Sandeep	Organic Fiber Reinforced Concrete		NCETSTM 2K14, ISBN.9789383038206	April 2015
25	T. Sandeep	Carbon fiber modified bitumen in bituminous macadam.	International	International Journal of Advance Engineering and Research Development, E-ISSN	Dec 2015

				(O): 2348-4470; P-ISSN (P): 2348-6406	
26	Sreenivasa Prasad Joshi	Experimental study of strength and durability of concrete with sodium silicate as surface treatment with respect to fly ash	International	IJRET: International Journal of Research in Engineering and Technology, eISSN: 2319-1163,pISSN: 2321-7308	Nov 2015
27	Sreenivasa Prasad Joshi	Evaluation of post tensioning slab: Qualitative and quantitative analysis	International	IJAERD, ISSN – 2348-4470, Vol-3, Issue-3	Mar 2016
28	Sreenivasa Prasad Joshi	Seismic Disaster Mitigation	International	IJTICES, ISSN-2455-2584, Vol 2, Issue 8.	Aug 2016
29	S. Susmita	Kinematic and Bearing capacity of Strip footing under non-homogenous ground	National	Indian journal of geosynthetics and ground improvement	Sep, 2014
30	D.Ramchander	Effect of GGBS and silica fumes on the compressive strength of concrete	International	IJCEIR, ISSN 0245-5868, Vol-1, Issue-5	July 2015
31	D.Ramchander	Review on crack propogation in plates	International	IJSETR, ISSN 2319-8885, Vol-4, Issue-54, Pg 11561-11563	Dec 2015
32	D.Ramchander	High strength concrete	International	IJSETR, ISSN 2319-8885, Vol-5, Issue-8, Pg 1591-1593	April 2016
33	D.Ramchander	A study on no cement concrete	International	IJCEIR, ISSN 0245-5868, Vol-5, Issue-7, Pg 6188-6195	July 2016
34	D.Ramchander	Experimental study on High performance concrete using Metakaolin	International	IJRI, Vol-3, Issue-2, Pg:1401-1402	April 2016
35	D.Ramchander and B. Kowshik Reddy	Seismic Disaster Mitigation	International	IJTICES, issn:2455-2584, Vol-2, Issue-8	Aug 2016

**ANNEXURE- CE – B :Faculty Recharging Strategies****Table 1: National and International Workshops attended by the faculty members:**

S.No	Name of the faculty attended	Topic	International/ National Journal	Place	Date
1	Dr. P.Ram Mohan Rao	Awareness workshop on “Outcome based Education and Accreditation”.	National	JNTUH, Hyderabad	14th Sep 2015,
2	Mr. S. Hari Kiran	A 2 day National workshop on “Finite Element Formulations in Civil Engineering Applications”	National	CVR College of Engineering, Hyderabad	30-31 Jan 2015
3	Mr. S. Hari Kiran	One-day workshop on “Recent developments in Construction Practices”	National	CVR College of Engineering	Sep 2015
4	Mrs. P. Neeraja	Two day workshop on “Structural Health monitoring and retrofitting of existing structures”	National	Osmania University, Hyderabad	Jan 20-21, 2017
5	Mrs. P. Neeraja	Three day short course on “Water Resources, Climate Change Impacts and Adaptation Strategies”	National	IIT Gachibowli, Hyderabad	July 19-21, 2016
6	Mrs. P. Neeraja	One-day workshop on “Recent developments in Construction Practices”	National	CVR College of Engineering	Sep 2015
7	Mr. Sreenivasa Prasad Joshi	A 2 day National workshop on “Finite	National	CVR College of Engineering, Hyderabad	30-31 Jan

		Element Formulations in Civil Engineering Applications”			2015
8	Mr. G.Raju	National workshop on Advances in Geotechnical Engineering	National	MallaReddy institute of technology and science, Hyderabad	Mar 2014
9	Ms. R.Ashwini	National workshop on Advances in Geotechnical Engineering	National	MallaReddy institute of technology and science, Hyderabad	Mar 2014

**Table 2: Short term courses attended by the faculty members:**

S.No	Name of the faculty attended	Topic	Place	Date
1	Dr. P.Ram Mohan Rao	One week Staff Development Programme on Modern Teaching Trends in Scientific and Technical Education	TKRES ,Hyderabad	30 <sup>th</sup> June – 6 <sup>th</sup> July 2014
2	Dr. P.Ram Mohan Rao	One Week Staff Development Programme on Motivational Aspects for Teachers of Engineering College	TKRES, Hyderabad.	27th July to 2nd Aug 2015
3	Mrs. P. Neeraja	Three day short course on “Water Resources, Climate Change Impacts and Adaptation Strategies”	IIIT Gachibowli, Hyderabad	July 19-21, 2016
4	Mrs. P. Neeraja	Training on “Bhuvan Overview”	National Remote Sensing Center (NRSC), Hyderabad	Jan 27 & 28, 2016.
5	Mrs. P. Neeraja	Winter School Professional Development Program on “Geospatial Technologies – Applications to Science and Engineering Research”	GITAM University, Vizag	19 <sup>th</sup> Dec 2015 to 8 <sup>th</sup> Jan 2016
6	Mrs. P. Neeraja	Faculty Development Program	CVR College of Engineering, Hyderabad	8 <sup>th</sup> – 19 <sup>th</sup> June 2015
7	Mrs. P. Neeraja	Two Week FDP	CBIT, Gandhipet, Hyderabad	6 <sup>th</sup> – 28 <sup>th</sup> Nov 2013



**Table 3: National/ International Conferences attended by the faculty members:**

S.No	Name of the faculty attended	Name of the Conference	International/ National Journal	Organization and Venue	Date
1	Dr. P.Ram Mohan Rao	4 <sup>th</sup> International Conference on “Hydrology and Watershed Management – Ecosystem Resilience – Rural and Urban Water Requirements	National	CWR, IST, JNTUH	29 <sup>th</sup> October – 1 <sup>st</sup> November 2014
2	Dr. P.Ram Mohan Rao	Three day National Conference on “Climate Change and Sustainable Water Resources Management ( CSWM-2015 )	National	NIT(Autonomous), Warangal.	3-5 September 2015
3	Dr. P.Ram Mohan Rao	Regional Conference on “Growth of R&D in Engineering Institutions”.	National	Dept. of Civil Engg.,G.Pulla Reddy Engg. College (Autonomous), Kurnool.	28 Jan 2016
4	Mr. S. Hari Kiran	One day Seminar on “Green Cities” on the occasion of World Earth Day – 2014	National	The Institute of Engineers (IEI), Hyderabad.	April 2014
5	Mr. S.Hari Kiran	29 <sup>th</sup> National Convention of Civil Engineers	National	The Institute of Engineers (IEI), Bhubaneswar, Odisha	September 2013
6	Mr. S. Hari Kiran	International conference on “Emerging technologies in	International	AWWA, San Diego, California, USA	June 2009.

		Water Reclamation Projects”			
7	Mrs. P. Neeraja	Two-day National Conference on “Finite Element Formulations in Civil Engineering Applications”	National	CVR College of Engineering	30 and 31 <sup>st</sup> Jan 2015
8	Mrs. P. Neeraja	Two day International conference on “Advances in Fibre Reinforced Polymers and Composites”	International	CBIT, Gandhipet, Hyderabad	13 <sup>th</sup> and 14 <sup>th</sup> March 2014
9	Mrs. P. Neeraja	Two day National Conference on “Advances in Earth Sciences, Structural, Geotechnical and Earthquake Engineering”	National	CBIT, Gandhipet, Hyderabad	4 <sup>th</sup> and 5 <sup>th</sup> October 2012

## Evaluative Report of the Department of Management Studies

1. **Name of the Department & its Year of establishment:** Department of Management Studies, 2006
2. **Names of Programmes / Courses offered :** Master of Business Administration
3. **Interdisciplinary courses and departments involved**

For the current academic year 2016-17, the interdisciplinary courses and departments involved are listed as below.

S. No	Course Name	Year and Semester	Course offered by the Department
1	Statistics for Management	I - I	Humanities and Social Sciences
2	Business Communication-Seminar	I - I	Humanities and Social Sciences
3	Quantitative Techniques for Business Decisions	I - II	Humanities and Social Sciences
4	Business Intelligence	II - I	Computer Science and Engineering
5	Database Management Systems	II - I	Computer Science and Engineering
6	Decision support systems	II - I	Computer Science and Engineering
7	E Business	II - II	Computer Science and Engineering
8	Knowledge Management	II - II	Computer Science and Engineering
9	Information systems Control and Audit	II - II	Computer Science and Engineering
10	E-Commerce	I-I	Computer Science and Engineering

4. **Annual/semester/choice based credit system:** MBA Semester System with Credits

## 5. Participation of the department in the courses offered by other departments

MBA Department will provide their services to other departments to satisfy the academic requirements of department specific subjects as listed below.

S. No	Course Name	Year and Semester	Departments offered to
1	Intellectual Property Rights	III - I	Civil
2	Entrepreneurship	IV – I	Civil
3	Supply chain management	IV-I	Civil
4	Banking and Insurance	IV-I	Civil
5	Intellectual Property Rights	III-I	CSE
6	Management Science	III-I	CSE
7	Supply chain management	III-II	CSE
8	Banking and Insurance	III-II	CSE
9	Supply chain management	III-II	EEE
10	Banking and Insurance	IV-I	EEE
11	Management Science	IV-I	EEE
12	Entrepreneurship	IV-II	EEE
13	Project and Financial Management	IV-II	EEE
14	Management Science	III-I	ECE
15	Intellectual Property Rights	III-I	ECE
16	Supply chain management	IV-I	ECE
17	Banking and Insurance	IV-I	ECE
18	Project and Financial Management	IV-II	ECE
19	Entrepreneurship	IV-II	ECE
20	Intellectual Property Rights	III-I	Mechanical
21	Supply chain management	IV-I	Mechanical
22	Banking and Insurance	IV-I	Mechanical
23	Entrepreneurship	IV-II	Mechanical
24	Project and Financial Management	IV-II	Mechanical
25	MEFA	III-II	CSE ,CIVIL & ECE
26	MEFA	III-I	EEE

**6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

Faculty Designation	Sanctioned	Filled
Professors	3	3
Associate Professors	1	1
Assistant Professors	11	11
Total	15	15

**7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

S.No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for last 4 years
1	Dr. J. Pardhasaradhi	MBA, Ph. D.	Professor	Finance	17	--
2	Dr. Raj Mohan	B. Tech, MBA, Phd	Professor	Operations	46	—
3	Dr. A. Sita Madhavi	MBA, Ph. D.	Professor	Marketing	15	--
4	Mr. AI Prashanth	MBA	Assoc. Prof.	Marketing	10	--
5	Ms. BPS Jyothi	MBA	Asst. Prof.	Human Resources	7	--
6	Mr. KNP Reddy	M.Com. & MBA	Asst. Prof.	Marketing	7	--
7	Ms. Neha Singh	MBA	Asst. Prof.	Human Resources	7	
8	Mr. P. Upender	MBA	Asst. Prof.	Finance	6	--
9	Mr. S. Ravi	MBA	Asst.Prof.	Human Resources	6	
10	Mrs. Aruna	MBA	Asst.Prof.	Human Resources	6	
11	Mr.Abhilash	MBA	Asst. Prof.	Marketing	1	--
12	Ms.V Shravani	MBA	Asst. Prof.	Finance	1	--
13	Mr. Y.B. Manikanta	MBA	Asst.Prof.	Fnance/ Marketing	1	
14	Mrs. Shamili	MBA	Asst.Prof.	Human Resources	1	
15	Mrs. Vijay Lakshmi	MBA	Asst.Prof.	Human Resources	1	

8. Percentage of classes taken by temporary faculty – programme-wise information: NIL

9. Programme-wise Student Teacher Ratio: 8:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled :

No	Description	Sanctioned	Filled
1	Academic Support Staff(Technical)	2	2
2	Administrative staff	1	1

11. Number of faculty with ongoing projects from

- a) National: NIL
- b) International funding agencies NIL

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; Total grants received  
NIL

13. Research facility / centre with NIL

- state recognition
- national recognition
- international recognition

14. Publications:

- \* Number of papers published in peer reviewed journals (national / international): **18**
- \* Monographs: **Nil**
- \* Chapter(s) in Books: **Nil**
- \* Editing Books: **Nil**
- \* Books with ISBN numbers with details of publishers: **02**
- \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**
- \* Citation Index – range / average : **Nil**
- \* SNIP: **Nil**
- \* SJR: **Nil**
- \* Impact factor – range / average – **0.3**
- \* h-index: **Nil**

### Summary Report of Publications

S. No.	Publication Type: Peer reviewed Journals (national/ international)	Total Number			
		2016-17	2015-16	2014-15	2013-14
1	International Journals	-	-	3	6
2	National Journals	-	-	1	1
3	National Conferences	1	-	1	-

Enclosed Faculty Publication detail in: ANNEXURE-MBA –A

**15. Details of patents and income generated:** NIL

**16. Areas of consultancy and income generated :** NIL

#### 17. Faculty recharging strategies

The department has identified certain strategies for the faculty to improve and excel in the art of imparting education. Some of them are listed below:

- Online training through MOOCs
- FDP
- Workshops & Training programs
- Developing reading circles
- Team teaching

#### 18. Student projects

- Percentage of students who have done in-house projects including inter-departmental : **NIL**
- Percentage of students doing projects in collaboration with industries / institutes : **100% .**

#### 19. Awards / recognitions received at the national and international level by

- Faculty NIL
- Doctoral / post doctoral fellows NIL
- Students NIL

**20. Seminars/ Conferences/Workshops organized and the source of funding (national International) with details of outstanding participants, if any.**

Funding: **Internal**

**a) National :**

**Guest lecturers / Seminars Conducted by MBA Department**

**Academic Year 2016-17**

S.No	Title	Event	Resource Person & Designation	Date
1	Employability skill development	Guest Lecture	Mr. K. Suresh, Smart steps	Jan 04, 2017
2	Entrepreneurship opportunities and Start Up culture	Guest Lecture	Mr. Kashyap Kompella, Entrepreneurship Innovation Consultant	July 13, 2016

**Academic Year 2015-16**

S.No	Title	Event	Resource Person & Designation	Date
1	Career orientation for MBA Graduates	Guest Lecture	Mr. K. Suresh Kumar	March 16,2016
2	Success secrets for MBA students	Guest lecture	Dr. K. V Subba Raju	December 19, 2015

**Academic Year 2014-15**

S.No	Title	Event	Resource Person & Designation	Date
1	Career and Employability skills	Motivational Lecture	Dr. ML Sai Kumar (Prof. IPE)	April 06, 2015
2	Products in Banking Sector, Career Opportunities, Preparation of Bankable Projects & Expectations from MBA Students in this Direction	Guest Lecture	A.L. Nageswara Rao(Retd., GM-Andhra Bank)	Jan 06,2015
3	On Line Trading with BSE/NSE	Guest Lecture	Mr. Santhosh Reddy	Nov 12, 2014



**Academic Year 2013-14**

<b>S.No</b>	<b>Title</b>	<b>Event</b>	<b>Resource Person &amp; Designation</b>	<b>Date</b>
1	Career orientation Program	Motivational Lecture	Mr.Rohan, Relationship Manager HR, Smart Step	Jan 03,2014
2	Employability Skills	Guest Lecture	Dr. Venkat Ramana Reddy(Research Manager, SEEK Info Media Pvt. Ltd., Hyderabad	December 16, 2013
3	Entrepreneurship Development Program	Guest Lecture	Mr. Y Srinivas,	Nov 27, 2013
4	Career orientation Program	Impact of Attitude and behavior in Career Development	Dr. TKV Raghavan, Professor-S&H,GCET	Nov 19, 2013
5	Professionalism- A Modern View in the Light of Ancient Wisdom	Motivational Lecture	Dr. TKV Raghavan, Professor-S&H,GCET	Nov 01, 2013
6	Marketing Skills Role and behavior of MBA students	Marketing Skills Enhancement	R.Srinivas, Consultant, Corporate Sales Trainer	Oct 23, 2013
7	Model Student & Campus Behavior	Student Campus Behaviour & Induction Prog. MBA	Prof. KS Rao,Professor-ECE,GCET	Sep23, 2013
8	Importance of Management Education & importance of communication skills	Motivational Lecture & Induction Program MBA	Dr. ST Rajmohan Rao, Professor-Mech,GCET	Sep 23, 2013
9	Career Guidance	Career Planning and Employability	Mr. Rajesh, Finance Executive, HSBC, Hyd	Aug 26, 2013

**b) International : NIL**

### **Workshops Organized / Conducted / Attended by the Department Faculty**

a) National:

#### **Workshops / Conference Attended by the department Faculty**

##### **Academic Year 2016-17**

<b>S.No</b>	<b>Event</b>	<b>Detail</b>	<b>Organizer</b>	<b>Date</b>
1	Demonetization to Digital Economy- Issues and Challenges	Conference	Osmania University	January 20 & 21, 2017

##### **Academic Year 2015-16**

<b>S.No</b>	<b>Event</b>	<b>Detail</b>	<b>Organizer</b>	<b>Date</b>
1	Entrepreneurship awareness camp	Work shop	JNTUH	August 30 & 31, 2016

#### **Workshops Conducted by the department**

##### **Academic Year 2014-15**

<b>S.No</b>	<b>Event / Organization</b>	<b>Resource Person</b>	<b>Topic</b>	<b>Date</b>
1	SPSS Work Shop	Prof. Dr. M Appalaiah	Statistic Simulation using SPSS	Dec 02, 2014
2	BSE	Mr. Santosh Reddy	Online Trading	Nov 12,2014
3	NSIC	MR.UV Chalpathi	Promotion of Entrepreneurship in India and Abroad	Oct 31,2014

##### **Academic Year 2013-14**

<b>S.No</b>	<b>Event / Organization</b>	<b>Resource Person</b>	<b>Topic</b>	<b>Date</b>
1	Mc Hill Pulications	Mr. Rathod	Business Games & Simulations	Nov 18, 2013

b) **International : NIL**

## 21. Student profile course-wise:

Batch Admitted	Sanctioned Intake	Students Admitted		Pass Percentage	
		Male	Female	Male	Female
2011-13	60	29	24	100%	95%
2012-14	60	32	13	93%	94%
2013-15	60	27	17	63%	88%
2014-16	60	28	25	--	--

## 22. Diversity of Students

S.No	Batch	Name of the Course	% of students from the same college	% of students from Local/Same State	% of students from other States	Other Countries
1	2011	MBA	--	53	--	--
2	2012	MBA	--	45	01	--
3	2013	MBA	01	43	--	--
4	2014	MBA	02	58	--	--
5	2015	MBA	00	54	--	--
6	2016	MBA	01	47	01	--

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? NIL

## 24. Student progression :

S.No	Student Progression	2011-13	2012-14	2013-15	2014-16
1	UG to PG	NA	NA	NA	NA
2	PG to M. Phil.	NA	NA	NA	NA
3	PG to Ph.D.	NIL	NIL	NIL	NIL
4	Ph. D. to PDF	NA	NA	NA	NA
5	Employed-On Campus	06	12	13	06
6	Employed- Off Campus	15	09	10	09
7	Entrepreneurship & Self Employed	NIL	01	NIL	02
Total		21	22	23	17

**25. Diversity of staff:**

<b>Percentage of faculty who are graduates of:</b>	<b>Year 2016-17</b>
The same parent university	46%
Other universities within the State from	33%
Other universities from other States	20%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** NIL**27. Present details about infrastructural facilities**

- a) Library :** Total number of books: 3543, Titles: 521  
 Total number of journals: 24 (National)  
 e- Journals: DELNET  
 e- Books: 96
- b) Internet facilities for staff and students :** 36 systems,  
 Vainavi communications (P) Ltd 48 Mbps  
 Excel Media (P) Ltd 16 Mbps
- c) Total number of class rooms : 2**  
 Tutorial rooms: 2  
 Seminar hall: 1  
 Class rooms with ICT facility : NIL  
 Students' laboratories : 1  
 Research laboratories: NIL

**28. Number of students of the department getting financial assistance from College:**

<b>Name of Agency</b>	<b>No. of Students Received Financial Assistance in AY</b>				
	<b>2015-16</b>	<b>2014-15</b>	<b>2013-14</b>	<b>2012-13</b>	<b>2011-12</b>
GCET sponsored by Teja Educational society	2	2	4	2	2

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NA**

**30. Does the department obtain feedback from**

**Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Yes.

The feedback obtained from faculty on curriculum as well as teaching learning evaluation is used as a record of class room observation, it is used for improvement plans, to alter the teaching learning methodology, syllabus framing for the following year, courseware development, designing the industrial visits and student development programs.

**Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

Student feedback is used to know the student's experience while learning, for subject allocation, self assessment of faculty, enhancement of quality of the program and facility improvement.

**Alumni and employers on the programs and what is the response of the department to the same?**

Feedback from alumni is presently being used by the training and placement wing of the institution.

**31. List the distinguished alumni of the department (maximum 10)**

S.NO	NAME	PASSED OUT YEAR	COMPANY
1	P N Keerthana Naidu	2017	INTELENET GLOBAL INDIA PVT LTD
2	Puttenveetil Baby Deepthi	2016	BEST TAX FILER
3	Karise Sessa Rao	2016	ANIX GROUP OF COMPANIES
4	K.Prashanth Kumar	2015	FONY
5	K.Prashanth Kumar	2015	GENPACT
6	P.V.Sainath Kumar	2015	FONY
7	Maheshbabu	2014	BEST TAX FILER
8	Abhilash	2014	GCET
9	Venkatesh	2014	SR ARCHRIES
10	K.Srinivas	2013	K12 TECHNO SERVICES PVT. LTD.

**32. Give details of student enrichment programs (special lectures / workshops / seminar) with external experts.**

No	Prog. Title	Resource Person	Purpose of Visit	Date
1	Export & Imports Documentation Procedure in International Business	Dr. V. Mohan	EXIM Policy	Jan 05, 2012
2	Career Development, Communication Skills & Leadership Qualities to reach the goal	Prof. V. Nagendra Kumar	Personality Development	Jan 27, 2012
3	Personality Development & Motivational Role of Student	Dr. Garikipati Narasimha Rao	Motivational Lecture	May 17, 2012
4	Personality Development & Motivational Role of Students	M. Nagaprasad	Guest Lecture	May 17, 2012
5	Investor Awareness Programme	Dr. CS Reddy	Guest Lecture IAP	Nov 16, 2012
6	TQM	Dr. YVSCH Prasad	Guest Lecture	Nov 29, 2012
7	Importance of Management Education & importance of communication skills	Dr. ST Rajmohan	Motivational Lecture & Induction Prog. MBA	Sep 23, 2013
8	Model Student & Campus Behaviour	Prof. KS Rao	Student Campus Behaviour & Induction Prog. MBA	Sep 23, 2013
9	Professionalism-A Modern View in the Light of Ancient Wisdom	Dr. TKV Raghavan	Motivational Lecture	Nov 01, 2013
10	Hands on experience	Mr. Rathod	Business Games & Simulations	Nov 18, 2013
11	EOP	Dr. UV Chalapathi-DGM-NSIC	Workshop	Oct 31, 2014
12	BSE	Mr. Santosh Reddy	Online Trading	Nov 12, 2014
13	SPSS	Dr.Appalayya HOD-Dr.Ambethkar College of Management	Workshop	Dec 02,2014

**33. List the teaching methods adopted by the faculty for different programs.**

- Visual teaching methods namely, chalk board, video lectures of reputed institutions, LCD projector, NPTEL lectures, etc.
- Conducting tutorials and assignment as part of the regular class work.

- Department organizes Seminars, workshops, Technical Quizzes, and Guest lectures.
- Faculty members prepare Course files & lecture notes for all subjects
- Development of student support material for average and below average learners and enthusiastic learners.
- Formulation of cooperative learning groups to improve peer group interaction.
- Our Institute offers departmental libraries which can be made use by students to enhance their knowledge.
- Students are encouraged to conduct and participate in technical events involving design, analysis & modeling of Structures.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Program Objectives, often referred to as Program Educational Objectives (PEOs) are communicated to the students along with the learning outcomes. To ensure the attainment of PEOs and learning outcomes, the following measures are taken:

From the objectives articulated, using Bloom's Taxonomy,

1. Faculty specify a clear set of outcomes that all students shall achieve.
2. Faculty select, from the set of outcomes, those that should be given top priority. These are the learning outcomes that will be of most value to the students and are taught in a way that the students can comprehend with ease.
3. Faculty provide examples to students of what they will be able to do when they have achieved those outcomes.
4. Few additional extension outcomes provide some students with a much deeper understanding of the issues being studied.
5. Faculty teach detailed prerequisites that students must master before attempting to achieve each new outcome and ensure the same through several assessment methods.
6. Faculty plan and use several different teaching strategies that help students achieve the desired learning outcomes.
7. A variety of direct assessment methods comprising tests, assignments, homework problems, tutorial sessions, guided practice/laboratory sessions, etc provide both the teacher and the students with feedback on their progress towards the achievement of learning outcomes.

## **Direct Assessment Methods**

- Course-related assessment
  - ✓ Assignments / Projects
  - ✓ Case Studies
  - ✓ Classroom Assessment including Tutorials
  - ✓ Quizzes
  - ✓ Probing during and after lecture
  - ✓ Course-embedded Questions and Assignments
  - ✓ Essays
  - ✓ Theses, research and publications
- Presentations/Seminars, if any
- Standardized assessments (Internal Tests, End Exams)
- Other
  - ✓ Transcript analysis
  - ✓ Placement record of graduates

In addition, indirect assessment methods are also used, which are listed below.

## **Indirect Assessment Methods**

- Institutional and Program Surveys
  - Alumni Surveys
  - Employer Surveys
  - Graduating Seniors and Graduate Surveys
  - Student Satisfaction Surveys
- Other
  - Focus groups
  - Interviews (faculty members, graduating students, alumni)

These outcome based course assessment and evaluation tools are a combination of the following:

1. Tutorials
2. Homework assignments
3. Quizzes
4. Exams (Internal Assessment tests, University End semester exams)
5. Class attendance and participation in class



6. Laboratory experimentation and laboratory written reports
7. Design Project, its written report and oral presentation
8. Computer simulation using C, MATLAB, ANSYS, etc
9. Prototype development, if any
10. Major project and teamwork
11. Course assessment/end survey (by students)
12. Instructor's teaching performance evaluation (by students).

### **Parameters for assessment of Project Work**

Students' design project performance should be evaluated based on written reports and oral presentations. The key elements that the student had to demonstrate in their design project include, but not limited to the following:

- a. Were the objectives and purpose clearly stated?
- b. Was the problem well defined?
- c. Was the project properly justified (Why?) (Scientific, economic, value addition?)
- d. Was the design, analysis and modelling understood?
- e. Was the approach taken reached as part of a selection process?
- f. Are the results technically and economically feasible?
- g. Effective conclusions / recommendations?
- h. Quality of the work or design.
  - i. Was the content well organized?
  - ii. Were there appropriate use of graphs, charts, board, audio-video, etc.
  - iii. Was the message clearly delivered?
  - iv. Was Teamwork evident in the design, implementation and presentation?

After having completed the exercise of assessment and evaluation of various outcomes, we need to map the following to check whether we have achieved our objective of providing outcome based education and to what extent.

- COs to POs and PSOs
- POs and PSOs to PEOs

Over and above the mapping of the above, we also obtain feedback from all stake holders on a periodical basis and we verify the attainment of the various outcomes.

- The level of understanding of the students is assessed by evaluating the assignments, internal

examinations.

- Faculty use various other resources and teaching techniques which are heavily based on multimedia and assist students who do not master the required outcomes as quickly as other students.
- Mapping between the questions given in various assessment methods and course outcomes, course outcomes to program outcomes, program outcomes to PEOs ensures the desired attainment level of the students.
- Continuous progress of students is closely observed by mentor, and proper suggestions are given to the students based on their performance in class work and exams, for meeting the learning outcomes.
- Course coordinator ensures course requirements are met, program coordinator ensures the program requirements are met, which finally ensure that the learning outcomes are continuously monitored and finally the programme objectives are met.
- At the end of every semester, for each course, Course End Survey is carried out regularly with special emphasis on course outcomes. The same is being analyzed from time to time and necessary steps are being taken to meet the learning outcomes, program outcomes, and program objectives in the subsequent semesters.
- Every year various instruments are used to monitor to ensure whether the objectives of the program are met. Few of the instruments are as listed below:
  - a. student surveys
  - b. informal interactions with students
  - c. assessment of coursework relevancy,
  - d. interaction with alumni and industry,
  - e. collaboration with various professional / engineering organizations.

Based on this evaluation, strengths, weaknesses and opportunities in the program are identified. The implementation of the correction process is closely monitored by the Program Assessment Committee, then by the departmental assessment committee, which finally offers its recommendations to the decision making bodies such as the Board of Studies of the department and the College Academic Council.

**35. Highlight the participation of students and faculty in extension activities.**

**Participation in Institutional Social Responsibility (ISR) and Extension activities:**

**a) National Service Scheme (NSS)**

<b>Year</b>	<b>Particular</b>	<b>Venue</b>	<b>Date</b>
2012-13	Collection Of notebooks and distribution.	GCET	Aug 10, 2012
	Sadhbhavan.	GCET	Aug 17, 2012
	Health Camp.	Cheeryal	Aug 25, 2012
	Health Camp.	GCET	Sep 06, 2012
	Non-violence Day and Peace.	GCET	Oct 04, 2012
	Computer Training Programme for high School.	Cheeryal	Dec 12, 2012
	Blood Donation Camp.	GCET	Jan 05, 2013
	Blood Donation Camp (LIONS CLUB).	GCET	April 13, 2013
2013-14	Tree-Plantation.	GCET	06-10-13
2014-15	Bachpan Bahavo.	Necklace Road	July 31, 2014
	Distribution of Stationary (Primary and high schools)	Cheeryal	July 17, 2014
	Distribution of sports materials (Primary and high school)	Cheeryal	Sep 16, 2014
	Conducted Computer training classes to High school students.	Cheeryal	Sep 06, 2014
	Dental camp.	Cheeryal & GCET	Sep 05, 2014
	Swatchh Bharath.	Cheeryal	Oct 30, 2014
	Children Park equipment was provided to the Cheeryal Gram Panchayat.	Cheeryal	Oct 14, 2014
	Blood donation.	GCET	Jan 24, 2015
2015-16	Health camp.	Cheeryal & GCET	March 27, 2015
	Distribution of Stationary to Primary and high schools.	Cheeryal	July 27, 2015
	Environmental Awareness programme.	Cheeryal & GCET	July 7, 2015
	Blood donation camp.	GCET	Dec 19, 2015

	Dental camp.	Cheeryal & GCET	Jan 23, 2016
	Special Camp.	Kolanupaka Village	Feb 22 to 28, 2016
	Health camp.	Cheeryal	March 26, 2016

**b) Entrepreneurship Development Cell**

Year	Name of the Prog.	Date	Resource Person	Corporate Affiliation
2012-13	EDC-Inaugural	27-11-2013	Y. Srinivasulu	Centre Head-CMC
2013-14	EOP	31-11-2014	U.V. Chalam & Ms. Vani	NSIC
2016-17	Innovation, Incubation & Entrepreneurship	29-06-2016	Dr. Anil K. Gupta Professor, IIM-Ahmedabad	JNTU

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Beyond syllabus, the list of activities undertaken by the institution includes:

- Student Class Room Seminars
- Student Paper Presentation
- Peer Learning
- Poster & Project Presentations
- Presentation of Papers Published in Reputed Journals
- Current Topics Discussion relevant to courses
- Online Trading Hands on Experience
- Excel Simulations
- Decision Making Aspects using SPSS
- Case-Study Approach
- Business Games & Strategy Development
- Brain Storming Sessions
- JAM, Debates & Group discussions on Current Topics
- Interactive learning affective domain
- Soft skills & Exposure to communication skills
- Open access to latest Digital Literature
- Contemporary Practices in Management
- Opportunities to participate in intercollegiate curricular activities
- Opportunity to participate in intercollegiate extracurricular activities
- Organizing industry visits to understand contemporary industry practices

- Internship with PSUs & Reputed Private Sector Organizations

**37. State whether the program/ department is accredited/ graded by other agencies. Give details:** Not accredited or graded

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths:**

- Continuous interaction with Professional/Industrial Associations like FICCI, FAPCI, CII, ICSI, ICWAI, ICAI & HMA
- Exposure to current industry practices through industrial visits & guest lectures.
- Smart & Self Learning-Models to fill the gap between theory & practice.
- Alumni interaction with students for career guidance.
- Active student participation in organizing various Co-Curricular & Extra Curricular Activities
- Well equipped Class Rooms, Labs, Library, E-Class & Seminar Halls
- One to One Computer with Internet facility.
- Open Access to Digital Literature & Online Journals.
- Experienced & Trained faculty Members with didactic approach.

**Weakness:**

- Unable to produce quality research papers in international journals
- Time constraint to focus on FDPs/Workshops of long duration.
- Students intake quality & background
- Poor Communication skills of student-inputs due to their graduation in regional language

**Opportunities:**

- Afford to organize national & international conferences & seminars
- Advanced E-Learning resources can be pursued with little effort
- Short-Term Summer/Winter Schools to faculty members & students on latest trends in the field of management.
- Scale-up EDC activities with professional association like FICCI, CII & FAPCCI.
- Develop Social Entrepreneurship in association with NIF
- Assist in Business Proposal Development & identify suitable funding agencies.

**Challenges:**

- Challenge of matching student-skills to that of industry requirements.
- Involving students in Live projects, R&D and E-Literature
- Filling gaps in existing curriculum with that of Today Industry Practices
- No restriction of Graduation Specialization become problem to create awareness among students about curriculum.

**39. Future plans of the department.**

- Stimulate student-placement level from local companies to MNCs
- Establish Corporate Social Responsibility (CSR) Cell
- Encourage faculty & students to publish good quality research papers
- Encourage faculty members to register for Ph.D
- Start Students-Management -Chapter in association with HMA

# **Evaluative report of Department of Management Studies - Annexures**

**ANNEXURE-MBA –A : Faculty Publications**

**2016-17 (Jan)**

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
1.	Dr. A. Sita Madhavi	Demonetization to digital economy-issues and challenges: Risk mitigation in Digital banking	National Conference	National Conference	20&21 Jan,2017	

**2014-15 (June - May)**

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
1.	Dr. A. Sita Madhavi	“SCM and Logistics for ambulance service providers with reference to GVK EMRI”, The Indian Management Researcher Voll No.2, July-December 2014 issue, ISSN 2349-2090	National Conference & Journal	The Indian Management Researcher Voll No.2,	Jul-14	ISSN 2349-2090
2.	Geethanjali College	“Role of first responder in pre hospital Ambulance service”, International Journal of Innovative research & Development, Vol.3, issue 13, December 2014. ISSN 2278 – 0211	International Journal	International Journal of Innovative Development, Vol.3, issue 13	Dec-14	ISSN 2278 – 0211 670

		(Online).				
3.		“Human factor in Survival and Recovery”, Acme Intellects International Journal of Research in Management, Social Sciences & Technology, Vol-11, No.11, July 2015. ISSN 2320-2939(Print), ISSN 2320-2793(Online)	International Journal	Acme Intellects International Journal of Research in Management, Social Sciences & Technology, Vol-11, No.11	Jul-15	ISSN 2320-2939
4.		“Caregiver Management in Guillain Barre Syndrome (GBS) The Indian Scenario”, International Journal of Academic Research In Social Science & Humanities Vol.1, Issue.2, Apr-June 2015, ISSN 2454-2202.	International Journal	International Journal of Academic Research In Social Science & Humanities Vol.1, Issue.2	Jun-15	ISSN 2454-2202

**2013-14 (June - May)**

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
1.	Dr. J. Pardhasaradhi	Formulation and Preparation of viability report for mineral water plant entrepreneurs,	National Journal	Small Enterprises Development,	Dec-13	ISSN NO- 0970-8464



		Small Enterprises Development, Management and Extension Journal, [SEDME-Ministry of MSME, Govt. of India] Volume-40, No-4, ISSN NO- 0970-8464, Regn: 25330/74, December 2013. Topic: Formulation and Preparation of viability report for Mineral Water Plant Entrepreneurs.		Management and Extension Journal, [SEDME-Ministry of MSME, Govt. of India] Volume-40, No-4		
2.		Role of Information & Technology, International Journal of Engineering & Management Research, Vol 4, Issue 1, ISSN 2250-0758, P72-75	International Journal	International Journal of Engineering & Management Research, Vol 4, Issue 1	Feb-14	ISSN 2250-0758
3.		Project planning & Controlling in the Global environment, Asia Pacific Journal of Applied Finance (www.apjaf.com) Volume III, Issue-2, Feb 2014, ISSN: 2277-9027	International Journal	Asia Pacific Journal of Applied Finance (www.apjaf.com) Volume III, Issue-2	Feb-14	ISSN: 2277-9027

4.		Recruitment – A Challenging Task During Recession, IJACEEE issue:1 Volume:3 Oct 2013- March 2014, ISSN: 2248-9584	International Journal	IJACEEE issue:1 Volume:3	Oct-13	ISSN: 2248-9584
5.		Introduction of MIS in Hospital Industry Routing, IJASCT (2299-3515) July-Dec, 2013	International Journal	IJASCT (2299-3515)	Jul-13	ISSN: 2299-3515
6.		Perception of Bankers and officials on the Management of NPA's, IJACEEE (International Journal of Advances in Computer, Electrical & Electronics Engineering) Issue:2 Vol:2 April 13 – Sept 2013 ISSN: 2248 – 9584	International Journal	International Journal of Advances in Computer, Electrical & Electronics Engineering Issue:2 Vol:2	Apr-13	ISSN: 2248 – 9584

**2012-13 (June - May)**

S No	Name of the Faculty Designation	Title of the Research Publication / Work	International / National Journal / Conference	Name of the Journal / Conference	Date of Publication / Presentation	Citation Index – range / average / * SNIP / * SJR / * Impact factor – range / average / * h-index (If applicable)
1.	Dr. J. Pardhasaradhi	Strategic Role of	International	IJASCT	Jul-12	ISSN: 2299-3515

		HRM in Recession, IJASCT (International Journal of Advances in Soft Computing Technologies) ISSN: 2299-3515 Vol: 2, Issue-2, July –Dec 2012	1 Journal	(Internatio nal Journal of Advances in Soft Computin g Technilog ies), Issue-2		
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# **GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY**

Cheeryal (V), Keesara (M), Medchal Dt. Telangana – 501 301

## **Declaration by the Head of the Institution**

I certify that the data included in the Self-Study Report (SSR) are true to the best of my knowledge.

The Self-Study Report (SSR) is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place: Hyderabad

Date:

Signature of the Head of the institution