**Confluence**

**Newsletter**

The fraternity of IMSEC is pledged to work towards clean and green environment by optimizing human activities to have a pollution free ecosystem with maximum purity. Thus, 10th of August was observed as "World Bio Fuel Day" to create awareness regarding "Global Environmental Consciousness & Threats" and encouraged the spectators for using renewable bio fuels instead of fossil fuels that reduces carbon emissions by 90%. The initiative was highly imperative for achieving a more sustainable and ecologically conscious planet.

### College Achievements

1. IMS Engineering College ranked **5th in U.P.**, **10th in North Zone** and **47th in India** as Best Engineering College by **Indian Institutional Ranking Framework (IIRF).**



2. **IMS Engineering College, Ghaziabad** signed MoU with **Foxit Software Inc., California, USA** on 31.07.2023·



3. **IMS Engineering College, Ghaziabad** signed **MoU** with **ESDM Division (A Joint initiative of DSEU and Elios Healthcare)** on 08.07.2023.

## Expert Talk

1.  Department of Applied Science & Humanities organized a Health Awareness Programme for Girls by Ms. Aarohi Sharma and Ms. Ananya Parashar, Global Hunt Foundation (GHF) NGO on 10.07.2023.



2.  Department of Biotechnology organized an Expert Talk on "Igniting the Biotech Spark: Welcome to a Journey of Limitless Possibilities" by Dr. Ajay Kumar Sharma, HoD – BT on 17.07.2023. Total 34 students of BT – 1st Year attended the Talk

## FDP Organized



1)  Department of Applied Science & Humanities organized a 5-Day FDP on "Universal Human Values & Professional Ethics" in collaboration with Universal Human Values Cell and Internal Quality Assurance Cell of the institute under the aegis of All India Council for Technical Education (AICTE), New Delhi from 18th to 22nd July 2023. The Resource persons were Dr. Vanchna Singh, Mr. Pavanendra Kumar and Dr. H. K. Rai. Dr. Sunita Goyal was the Observer.

## Industrial Visit

1)   Department of Applied Science & Humanities organized an exposure visit to Atal Incubation and Innovation Centre, GGS IP University, Dwarka, New Delhi for B.Tech. First Year Students (CSE Branch) on 10.07.2023.
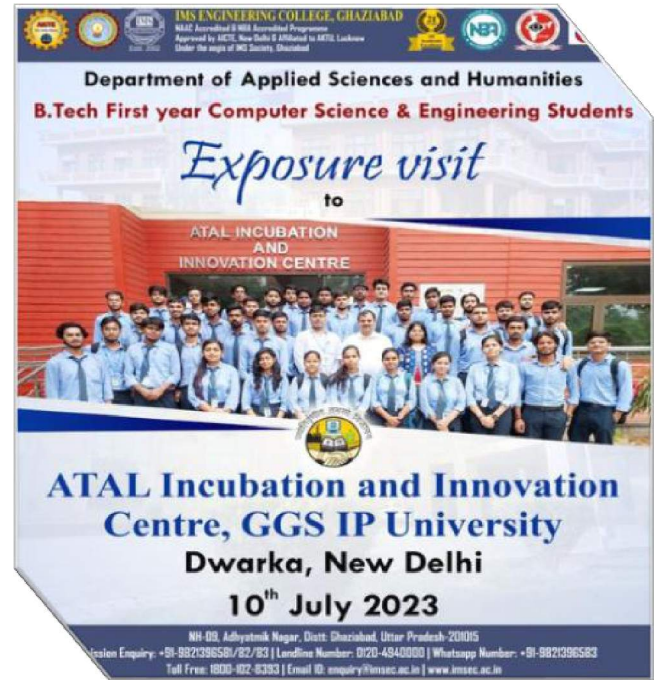


1)   Department of MCA organized a visit to IGDTUW Anveshan Foundation - I, IGDTUW Campus, Kashmere Gate, Delhi for MCA - First Year Students on 07.07.2023.

## Value Added Programs

| S.No. | Name of Value Added Course | Conducted by |
|-------|----------------------------|--------------|
| 1 | Summer Internship Program on 'Full Stack Development Using MERN' & 'Data Science Using Machine Learning in Healthcare' in association with Techno Funnel, MCN Solution, CETPA InfoTech & TPC Global organzied from 17.07.2023 to 14.08.2023. | CSE, CS, IT, BT |
| 2 | Summer Internship Program on 'Data Science Using Machine Learning in Healthcare' in association with Techno Funnel, MCN Solution, CETPA InfoTech & TPC Global organized from 17.07.2023 to 14.08.2023. | CSE, CS, IT, BT |

**Departmental Activities**



1) Department of Biotechnology organized an open-house discussion on 'Pathway to a Biotech career: life beyond NEET' for Class XII students on 25.07.2023. There were 14 participants in the event.

1) The Department of Computer Science and Engineering organized inaugural ceremony of 420 hours Women Transformation Program on "Big Data and Data Analytics" by ICT Academy in collaboration with Capgemini for Women Students of CSE/CS/IT (3rd Year) on 05.07.2023. The Guest Speaker were Mr. Abhinandan Pandey, State Head, Delhi NCR -ICT Academy and Mr. Satyendra Narayan, Relationship Manager, ICT Academy.



3) Department of MBA **organized NUSANTARA** Research Paper Presentation on 24.07.2023.

# Patents

1) **Dr. Sonia Juneja**, CS Dept. filed a **Patent** on **"An IoT Based Image Recognition Systems for Blind Persons".** (Application No. 202311046184).

2) **Dr. Sonia Juneja**, CS Dept. filed a **Patent** on **"Secure and Interactive Carpooling system with Enhanced User Profile".** (Application No. 202311046183).

# Paper Publication by Faculty Members

1) **Verma R. K. (2023).** Design, Analysis and Fabrication of Compact and T-Shape Notches Loaded Dual Band Rectangular Microstrip Patch Antenna for GPS/WLAN/WiMAX Applications. *Wireless Personal Communications*, **pp.1–18, 2023, DOI: https://doi.org/10.1007/s11277-023-10620-z, (Springer, SCI, Impact factor = 2.2) [Paper published by Mr. R.K. Verma, CSE Dept.)**

2) **Mohan N.** (2023). Fast food consumption patterns among university students: A case study of Mac Donald's in Malaysia. *Asian Pacific Journal of Management and Education*, Vol 6 issue 2 **(Paper published by Dr. Nitin Mohan, MBA Dept.)**

# Paper Publication by Students

1) **Singh A.** (2023). Factors Influencing Online Academic Performance among University Students. *Asian Pacific Journal of Management and Education*, Vol 6 issue 2 **(Paper published by Ms. Ayushi Singh, MBA Dept.)**

2) **Rastogi G., Singh H., Bhatt G.** (2023). Fast food consumption patterns among university students: A case study of Mac Donald's in Malaysia. *Asian Pacific Journal of Management and Education*, Vol 6 issue 2 **(Paper published by Mr. Gautam Rastogi, Ms. Hershita Singh & Ms. Gunjan Bhatt, MBA Dept.)**

3) **Vats I.** (2023). Brand Loyalty customers towards Starbucks in Asian countries – insights of India, Indonesia, and Malaysia. *Asian Pacific Journal of Management and Education*, Vol 6 issue 2 **(Paper published by Ms. Isha Vats, MBA Dept.)**

# Faculty Achievements

1) **Dr. Pramod Singh**, ECE Dept. & **Dr. Vijay Kumar**, EN Dept. **reviewed** a research article for "3rd International Conference on Advancement in Electronics & Communication Engineering 2023" to be organized by RKGIT, Ghaziabad from 23rd to 24th November 2023.

2) **Dr. Pavan Gangwar,** ECE Dept**. reviewed** a research article for the Journal "Numerical Heat Transfer, part A-Applications".

3) **Dr. Pavan Gangwar,** ECE Dept**. reviewed** a research article for the Journal "Environmental Progress and Sustainable Energy".

4) **Dr. Siddharth Vats** (Innovation Ambassador), BT Dept. under the umbrella of IIC-IMSEC **delivered a Talk 'Potential of Innovations in Biotechnology'** on 03.07.2023. The talk was attended by 35 students/faculty members of BT Dept.

5) **Dr. Shomini Parashar**, BT Dept. **participated** in the Virtual Interactive Session on **"Impact of Generative AI on Skills & Future Jobs in Higher Education"** held on 31.07.2023 by the Coursera team.

6) **Dr. Shomini Parashar**, BT Dept. **completed** the digital modules of one month International workshop on "**Genome Informatics 2023"** organized jointly by Decode Life and Ensembl (EMBL- EBI), UK from 17.06.2023 to 15.07.2023.

7) **Dr. Ajay Kumar Sharma**, BT Dept. delivered an **Expert Talk** on the topic **"Igniting the Biotech Spark: Welcome to a Journey of Limitless Possibilities"** on 17.07.2023.

8) **Dr. Ajay Kumar Sharma**, BT Dept. **delivered** an **offline Talk** on **"Biotechnology: Career Opportunities"** to B.Tech. Biotechnology IV semester students (Session 2022-23) on 10.07.2023.

9) **Dr. Ajay Kumar Sharma**, BT Dept. **delivered** an **offline Talk** on **"Biotechnology: Scope & Opportunities"** to B.Tech. Biotechnology II semester students (Session 2022-23) on 17.07.2023.

10) **Mr. Nikhil Katwara**, BT Dept. delivered an **online Talk** during an open house discussion on **"Pathway to a Biotech Career: life beyond NEET"** on 25.07.2023.

11) **Dr. Mohit Kumar**, BT Dept. **participated** in **IP Awareness/Training program** under National Intellectual Property Mission on 27.07.2023 organized by Intellectual Property Office, India.

12) **Dr. Kavita Saxena,** MCA Dept. **attended** virtual interactive session on Impact of Generative AI on Skills & Future Jobs in Higher education organized by **INDIA-DIDACTICS Association** on 31.07.2023.

13) **Dr. Kavita Saxena, Mr. Varun Chaudhary, Mr. Ankit Kumar & Ms. Mansi Chaudhary,** MCA Dept. **attended** online workshop on **NEP 2020** organized by **Indraprastha Engineering College** from 21.07.2023 to 22.07.2023

14) **Faculty Development Program** attended by Faculty Members:

| S.No | Faculty Name | Dept. | Name of Faculty Development Program | Organized by | Date |
|------|--------------|-------|-------------------------------------|--------------|------|
| 1 | **Prof. Ashish Pandey** | AS&H | Artificial Intelligence and its application | Chalapathi Institute of Technology | 03.07.2023 – 08.07.2023 |
| 2 | **Prof. Ashish Pandey** | AS&H | Review on Recent Research in Civil Engineering | KHIT | 10.07.2023 – 15.07.2023 |
| 3 | **Prof. Ashish Pandey** | AS&H | Impact of Information Technology in Diverse Domains | Dwaraka Doss Goverdhan Doss Vaishnav College | 17.07.2023 – 24.07.2023 |
| 4 | **Mr. Ram Krishna Singh** | CS | Exploring Data Science: Foundation to advanced Analytics | Amity School of Engineering & Technology, Amity University, Patna | 24.07.2023 – 28.07.2023 |
| 5 | **Mr. Amit** | CS | Universal Human Values and Professional Ethics | IMSEC, Ghaziabad | 18.07.2023 – 22.07.2023 |
| 6 | **Mr. Ram Krishna Singh** | CS | Universal Human Values and Professional Ethics | IMSEC, Ghaziabad | 18.07.2023 – 22.07.2023 |
| 7 | **Mr. Awdhesh Kumar** | CS | Universal Human Values and Professional Ethics | IMSEC, Ghaziabad | 18.07.2023 – 22.07.2023 |

| 8 | Mr. Pavan Kumar Sharma | IT | Universal Human Values and Professional Ethics | IMSEC, Ghaziabad | 18.07.2023 – 22.07.2023 |
|---|---|---|---|---|---|
| 9 | Dr. Souveg Moudgil | IT | Universal Human Values and Professional Ethics | IMSEC, Ghaziabad | 18.07.2023 – 22.07.2023 |
| 10 | Mr. Manish Singh | IT | Universal Human Values and Professional Ethics | IMSEC, Ghaziabad | 18.07.2023 – 22.07.2023 |
| 11 | Dr. Pushpendra Singh | IT | Universal Human Values and Professional Ethics | IMSEC, Ghaziabad | 18.07.2023 – 22.07.2023 |
| 12 | Ms. Mayurika Saxena | ECE | Universal Human Values and Professional Ethics | IMSEC, Ghaziabad | 18.07.2023 – 22.07.2023 |
| 13 | Dr. Chandan Chaubey | ECE | Universal Human Values and Professional Ethics | IMSEC, Ghaziabad | 18.07.2023 – 22.07.2023 |
| 14 | Dr. Meenu Baliyan | MBA | Research methods & Data Analysis using SPSS | IPEM Ghaziabad | 12.07.2023 – 13.07.2023 |
| 15 | Dr. Nitin Mohan | MBA | Research methods & Data Analysis using SPSS | IPEM Ghaziabad | 12.07.2023 – 13.07.2023 |
| 16 | Dr. Kavita Singh | MBA | Research methods & Data Analysis using SPSS | IPEM Ghaziabad | 12.07.2023 – 13.07.2023 |
| 17 | Mr. Manoj Kr. Chaudhary | MBA | Research methods & Data Analysis using SPSS | IPEM Ghaziabad | 12.07.2023 – 13.07.2023 |
| 18 | Mr. Varun Chaudhary | MCA | Review on Recent Research in Civil Engineering (RRR – 2023) | KHIT | 10.07.2023 – 15.07.2023 |
| 19 | Mr. Ashish Pandey | MCA | Artificial Intelligence and its application | Chalapathi Institute of Engineering and Technology | 03.07.2023 – 08.07.2023 |
| 20 | Mr. Ashish Pandey | MCA | Review on Recent Research in Civil Engineering (RRR – 2023) | KHIT | 10.07.2023 – 15.07.2023 |
| 21 | Mr. Ashish Pandey | MCA | Impact of Information Technology in Diverse Domains | Dwaraka Doss Goverdhan Doss Vaishnav College | 17.07.2023 – 24.07.2023 |
| 22 | Ms. Mansi Chaudhary | MCA | Review on Recent Research in Civil Engineering (RRR – 2023) | KHIT | 10.07.2023 – 15.07.2023 |
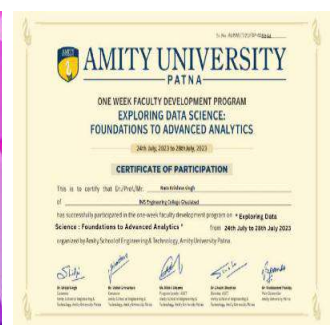


## 15) **Webinar** attended by Faculty Members:

| S.No | Faculty Name | Dept. | Title of Webinar | Organized by | Date |
|---|---|---|---|---|---|
| 1 | Ms. Kritika | CS | Data Analysis Techniques For Effective Research | A2Z Edulearning Hub LLP | 05.07.2023 |
| 2 | Ms. Kritika | CS | AI Tool for Academic Research | A2Z Edulearning Hub LLP | 25.07.2023 |
| 3. | Ms. Kritika | CS | Applications of ChatGPT in Academics And Research | A2Z Edulearning Hub LLP | 17.07.2023 |

**Students' Achievements**

1) Toppers of B.Tech – Ist Year in University End Semester Examination 2022-23



2) **Students' achievement of CSE Dept.**

| S.No | Name of Student | Nature of Achievement |
|------|-----------------|------------------------|
| 1 | Abdul Nawaz Khan, Amit Kumar Maurya, Himanshi Sharma, Lakshya Kumar, and Manasvi Agrawal | Got placed in **Coforge** |

3) **Students' achievement of ECE Department:**

| S.No | Name of Student | Year | Nature of Achievement |
|------|-----------------|------|------------------------|
| 1 | Manvendra Verma | 2nd | Got certificate of IEEE membership (2023) |

4) **Students' achievement of BT Department:**

| S.No | Name of Student | Year | Nature of Achievement |
|------|-----------------|------|------------------------|
| 1 | Harshit Sharma | 3rd | Participated in "Har Ghar Dhyan" Session, an initiative of ministry of culture, Govt. of India organised by Art of Living. |

# Editor-in-Chief :  "Dr. Milan Chakraborty"