WORLD WATER DAY

SAVE WATER SAVE EARTH

Confluence

"The Newsletter"

On 22nd March, World Water Day is observed globally to raise awareness about the importance of freshwater and advocate for the sustainable management of freshwater resources. Water scarcity is a stark reality for us. It is the result of myriad environmental, political, economic and social forces.

The population has exploded. This means that every year competition for a clean, copious supply of water for drinking, cooking, bathing, and sustaining life intensifies. In much of the developing world, we face drought and debilitating pollution. Clean water is either hard to get or a commodity that requires labourious hardships or significant currency to obtain.

IMS Engineering College endorses the sanctity of the theme.

Thus, water is Precious. Save it!!!

Faculty Development Program Organised

1) Department of ECE & ME jointly organized a Faculty Development Program (FDP) on Research Methodology and Publication from 19.02.2024 to 23.02.2024. Total 150 participants attended the FDP. The FDP was coordinated by Dr. Ajay Kumar, ECE Dept. and Dr. Suraj Chaudhary, ME Dept.

Workshop

1) Department of CSE organized a Workshop on "Cyber Security" by Mr. Prashant Kumar Sharma, Corporate Trainer and Mr. Rajinder, Corporate Trainer, Froyo Technologies on 02.02.2024. Total 120 students from CSE-2nd Year attended the Workshop.

Value Added Programs

S.No.	Name of Value Added Course	Duration	Date of commencement	No. of Students Enrolled
1	Modern Approaches in Mechanics	52 hours	09.02.2024	ME Students
2	Urbanity Soft-skill training	Ongoing activity for each Semester	Every Working Saturday	MBA 1st & 2nd Year
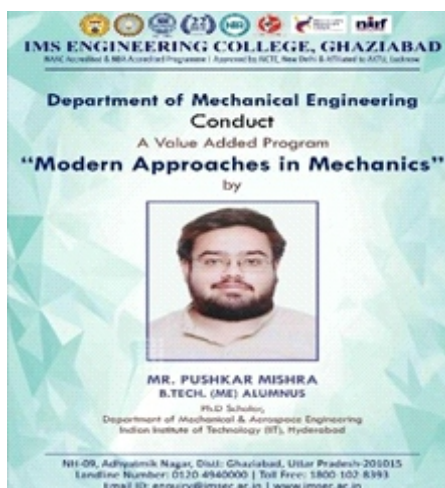
Departmental Activities

1) IMS Engineering College, Ghaziabad launched a self-learning program Skill-A-Thon 2024 in collaboration with ICT Academy and UiPath. Total 200 students from CSE – 3rd Year enrolled in the program.
2) Department of IT organized a master class "The Art and Science of Business Innovation" for the students of IT-3rd & 4th year on 08.02.2024 in collaboration with IMSEC-iSTEP & UNSW Sydney.
3) Department of IT organized a master class "Green Steel" for the students of IT-3rd & 4th year on 27.02.2024 in collaboration with iSTEP.
4) The GEMS Society of BT Dept. organized Picture Quiz event on Biotechnology and its Applications on 26.02.2024. Dr. Indu Bhatt, BT Dept. coordinated the event. 28 students participated in the quiz competition.

5) Department of Applied Sciences & Humanities in association with Institute Innovation Cell (IIC) organized a Poster Presentation of Innovations with Expert Providing Mentorship Support on 26.02.2024. Prof. Savita Agarwal and Dr. Sanjeev Sharma, AS&H Dept. coordinated the event. More than 45 students from B.Tech, MBA & MCA participated in this event.

6) Department of MBA organized a cleanliness drive outside the campus on 20.02.2024.

7) Department of MCA organized a drawing and painting competition on 12.02.2024 as part of the Shri Ram Space Observatory Utsav, coinciding with the Shri Ram Pran Pratishtha Ceremony. More than 50 students from B.Tech, MBA, and MCA participated in the competition. The program ended with the plantations by all the participants. The competition was coordinated by Mr. Kapil Kumar, MCA Dept.
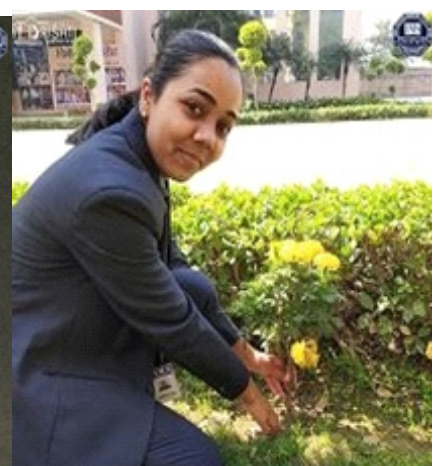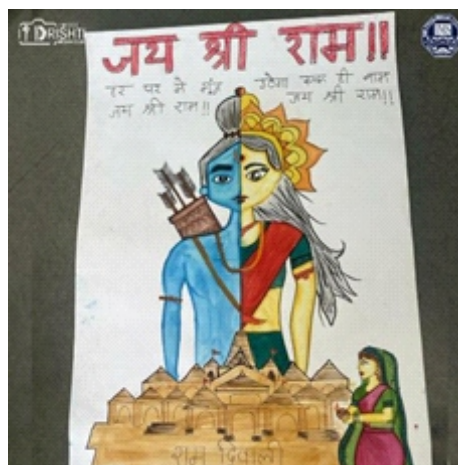
Patents Published

1) Mr. Manoj Kumar Singh, CSE Dept., Mr. Basudeo Singh Roohani, CSE Dept., Mr. Kapil Kumar Sharma, MCA Dept. and Mr. Vipin Kumar Sharma, MCA Dept. published a patent titled "Machine Learning Based Device for Stress Monitoring", Application No. 202311086306.

2) Mr. Manoj Kumar Singh, CSE Dept. published a patent titled "An Enchanced Web Accessibility System for Individuals with Disabilities using Integrated Front-End and Back-End Technologies". Application No. 202311086260.

Papers Published by Faculty Members

1) Sharma P., Singh A. K., Naresh B., Verma R.K., Singh V.K., Pandey M.K. (2024). Design and optimization of broadband CPW rectenna for RF energy harvesting. International Journal of Electronics, pp.1–19, 2024, SCI paper, Taylor & Francis, IF=1.3 (Paper Published by Mr. R.K. Verma, CSE Dept.)

2) Goel L., Gupta S., Gupta A., Rajan S.N., Gupta V.K., Singh A., Gupta P. (2024). Advancing ASD detection: novel approach integrating attention graph neural networks and crossover boosted meerkat optimization. International Journal of Machine Learning and Cybernetics. DOI: https://doi.org/10.1007/s13042-023-02092-1. (Paper published by Dr. S.N. Rajan, IT Dept.)

3) Mishra S., Kalla S.K., Agarwal Y.M., Gupta V. (2024). Parametric Analysis of Energy Saving in Building Walls by applying various Insulation Materials. Journal of Polymer & Composites (STM). Vol. 11, Special Issue 12, DOI: https://engineeringjournals.stmjournals.in/index.php/JoPC/index (Paper published by Dr. Subhash Mishra, ME Dept.)

4) Kushwaha D.K., Panchal D., Sachdeva A.K. (2024). Performance analysis of a complex process industrial unit utilizing intuitionistic fuzzy-based integrated framework. Journal of Quality in Maintenance Engineering. DOI: 10.1108/JQME-08- 2023-0077. (Paper published by Dr. Dinesh Kumar, ME Dept.)

5) Rafi Z., Khan S., Sherwani S., Alshammari E. M., Khan M., Alshammari B.F., Khan A., Wajid M., Anjum R., Khan M. Y., Ahmad N., Kaur K., Shahab U., Ahmad S. (2024). Citrus sinensis Seed-Mediated Gold Nanoparticles for Combating Diabetes and Bacterial Infections: A Promising Multifunctional Nano Formulation. Science of Advanced Materials. Vol. 16, No. 2, pp. 260-270(11), American Scientific Publishers. DOI: https://doi.org/10.1166/sam.2024.4634 (Paper published by Dr. Rabab Anjum, BT Dept.)

Book-Chapter Published by Faculty Members

1) Verma R.K., Tripathi D., Sabat D., Singh M., Kumar A. (2024). Dual Band Open Slot and Notch Loaded Bandwidth Enhanced Microstrip Patch Antenna for IoT/WiMAX/WLAN Applications. Electrical Engineering, Springer Singapore. Vol.1080, pp.1–9, 2023 (Scopus Book-Chapter published by Mr. R.K. Verma, CSE Dept.)

Faculty Achievements

1) Mr. Manoj Kumar Singh, CSE Dept. completed Ph.D. in Computer Science and Engineering on the Topic "Detection and Prediction of Infectious Disease (Covid-19) through Data Mining and Machine Learning" from Mangalayatan University, Aligarh in February 2024.

2) Ms. Vaishali Bhargava, CSE Dept. completed Ph.D. in Computer Science and Engineering on the Topic "Dynamic and Scalable Mining of Progressive Data for a Distributed Environment" from Swami Vivekanand Subharti University, Meerut in February 2024.

3) Dr. Subhajit Ghosh, CSE Dept. served as a reviewer for 5th 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT) organized by Galgotias University, Greater Noida from 09.02.2024 – 10.02.2024.

4) Dr. Ajay Kumar, ECE Dept. reviewed a manuscript for "Journal of Solid-State Science and Technology" in the month of February 2024.

5) Ms. Mayurika Saxena, ECE Dept. completed a six-days Short Term Course on "Beyond 5G and IoT (5GIOT-2024)" organized by NIT Delhi from 29.01.2024 to 03.02.2024.

6) Dr. Ajay Kumar Sharma, BT Dept. attended a Webinar on "Prior-Art Search Process and tips for Startups and MSMEs" on 22.02.2024 organized by The Associated Chambers of Commerce & Industry of India (ASSOCHAM), New Delhi.

7) Dr. Siddharth Vats, BT Dept. received maximum citation for the article written by him in the Journal of Health Research and Review (MedKnow Publications).

8) Dr. Siddharth Vats, BT Dept. completed the Pledge on Quiz on India's Democracy on 29.02.2024.

9) Dr. Siddharth Vats, BT Dept. reviewed an article in the Journal of Asian Journal of Research and Reports in Hepatology on 23.02.2024.

10) Dr. Rabab Anjum, BT Dept. completed a course on "Tuberculosis and Mental health" offered by World Health Organization on 26.02.2024.

11) Dr. Savita Agarwal, AS&H Dept. attended one day conclave on Planning Water Conservation for Climate Resilient Cities organized by Namami Gange on 23.02.2024.

12) Dr. Savita Agarwal, AS&H Dept. participated in DST sponsored four weeks Technical Entrepreneurship Development Program (FDP) on Tech Fusion Ventures: The Accelerated Path to Entrepreneurship Success organized by Academy of Maritime Education and Training, deemed to be University, Chennai from 29.01.2024 to 23.02.2024.

13) Mr. Sadaf Raza, MCA Dept. completed an online course on "Introduction to Flutter Course" organized by simlilearn on 06.02.2024.

FDP attended by Faculty Members

S.No	Faculty Name	Dept.	Title of FDP	Organized by	Date
1	Mr. Basudeo Singh Roohani, Mr. Manoj Kumar Singh	CSE	Cloud Computing: A Hands on Approach with AWS Cloud	Galgotias College of Engineering and Technology, Greater Noida	29.01.24 – 02.02.24
2	Mr. Anubhav Sharma	CSE	Evaluation Strategies and Classroom Management Skills	Michael Job Memorial College, Coimbatore	05.02.24 – 06.02.24
3	Mr. Anubhav Sharma	CSE	The Recent Trends of Big Data and Artificial Intelligence in the field of Computer Science and Agriculture Engineering	CCS University, Meerut	05.02.24 - 12.02.24
4	Dr. Sonia Juneja, Dr. Monika Nagar, Dr. Rekha Agrawal, Dr. Raj Kumari, Mr. Awdhesh Kumar, Mr. Amit Kumar, Ms. Bhanu Verma, Mr. Sanjeev Sanyal	CS	Research Methodology and Publication	IMS Engineering College, Ghaziabad	19.02.24 - 23.05.24
5	Dr. Vivek Pandey	ME	Additive Manufacturing: The Future of Manufacturing	AKGEC, Ghaziabad	05.02.24 - 09.02.24

6	Dr. Vivek Pandey	ME	Intellectual Property Rights, Product Development & Entrepreneurship	Poornima College of Engineering, Jaipur	13.02.24 - 17.02.24
7	Dr. Purnima Pandey	AS&H	Professional Ethics and Plagiarism	NITTTR, Chandigarh	05.02.24 - 09.02.24
8	Dr. Meenu Baliyan, Dr. Siby James, Dr. Nitin Mohan, Dr. Kavita Singh, Dr. Sapna Kumari, Dr. Rashmi Chaudhary, Mr. Manoj Kumar Chaudhary	MBA	Digital Marketing Comprehensive Studies	IIT Kanpur	19.02.24 - 25.02.24
9	Mr. Kapil Kumar Sharma, Mr. Vipin Kumar Sharma, Mr. Ashish Pandey	MCA	Evaluation strategies & Classroom Management Skills	Michael Job Memorial College of Education for women, Coimbatore	05.02.24 - 06.02.24
10	Mr. Ashish Pandey	MCA	The Recent Trends of Big Data and Artificial Intelligence in the field of Computer Science & Agriculture Engineering	CCS University, Meerut	05.02.24 - 12.02.24
11	Mr. Ashish Pandey	MCA	Prototype Development	Patrician Institution's Innovation	29.02.24

Workshop attended by Faculty Members

S.No	Faculty Name	Dept.	Title of Workshop	Organized by	Date
1	Mr. Ram Krishna Singh	CS	Documentation using LATEX	Global Institute of Statistical Solutions	10.02.24 - 12.02.24
2	Dr. Monika Nagar	CS	Level UP: Mastering Technology for Dynamic Language Teaching and Research through AI Tools	SVCE, Sriperumbudur	02.04.24 - 04.02.24

Students' Achievements

1) Students' achievement of CSE Dept.

S.No	Name of Student	Year	Nature of Achievement
1	Divyansh Ruhela, Harshvardhan Singh Negi, Manisha Jaiswal, Ritik Rawat, Rushima Srivastava, Aadhya Gupta, Aastha Tiwari, Gungun	4th	Got placed in Accenture
2	Janhwee	3rd	Secured 2nd position in Yuva-Samwad (Vigyanotsava) organized by Dept. of Biotechnology, IMS Engineering
3	Pooja Verma	3rd	Secured 3rd position in Yuva-Samwad (Vigyanotsava) organized by Dept. of Biotechnology, IMS Engineering

2) Students' achievement of CS/CSD Department:

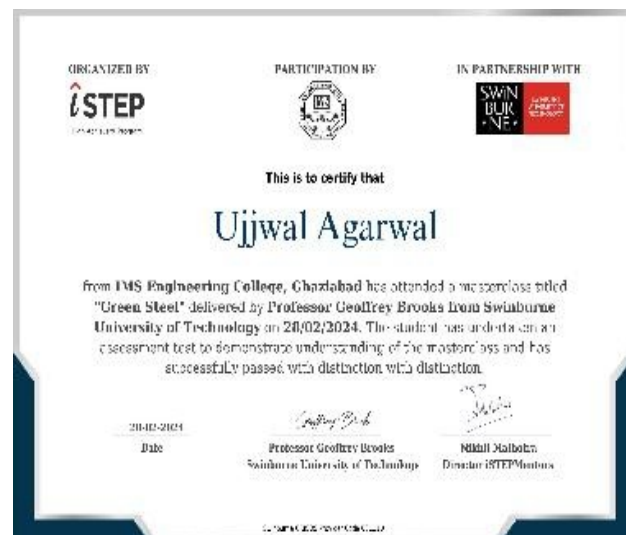| S.No	Name	Year	Nature of Achievement
1	Samiksha Mishra	CS-2nd	Completed 4 weeks of virtual internship program in Python Programming at CODSOFT from 20.01.24 to 20.02.24.
2	Prince Gupta	CS-4th	Completed certified course on React Zero to Hero (5-days) from Lets Upgrade on 19.02.24. Completed certified course on Node.js Zero to Hero (3 days) from Lets Upgrade on 20.02.24.
3	Vishesh Verma	CS-2nd	Secured 3rd Position in IMSEC's Hack-A-Thon in Delhi NCR! swiftly developed an e-commerce website in just 2 hours.
4	Tushar Agarwal, Sparsh Agrawal and Yash Singhal	CS-4th	Represented RideBuddy (Major Project) at SPARDHA, an annual flagship startup conclave organized by Incubation Cell, PIET, Panipat.

3) Students' achievement of ECE Department:

S.No	Name of Student	Year	Nature of Achievement
1	Mr. Aviral Tiwari, Mr. Ritik Verma	4th	Participated in the training workshop on 5G Network security organized by 5G Indigenous Test Bed O & M Team of IIT Delhi.

4) Students' achievement of ME Department:

S.No	Name of Student	Year	Nature of Achievement
1	Akarsh Saxena, Vikash Kumar and Ujjawal Agarwal	3rd	Attended master class titled "Green Steel" delivered by Professor Geoffrey Brooks from Swinburne University of Technology on 28.02.24.
2	Harshwardhan Chaudhary	3rd	Completed a course on "Describe monitoring tools in Azure" organized by Microsoft on 19.02.24.

5) Students' achievement of BT Department:

S.No	Name of Student	Year	Nature of Achievement
1	Aditi Bansal and Akarsh Sharma	2nd	Attended a 2-day offline workshop on Techniques in DNA Protein at IIT-ROORKEE sponsored by Edufabrica from 03.02.24 to 04.02.24.
2	Shobhita Singh and Piyush Singh	3rd	Secured 1st Position in Picture Quiz on 'Biotechnology and its application' organized by BT Dept., IMSEC, Ghaziabad
3	Jhalak Som and Jahanvi Patel	3rd	Secured 2nd Position in Picture Quiz on 'Biotechnology and its application' organized by BT Dept., IMSEC, Ghaziabad
4	Modeep Parashar and Gayatri Panchal	3rd	Secured 3rd Position in Picture Quiz on 'Biotechnology and its application' organized by BT Dept., IMSEC, Ghaziabad
5	Arohi Srivastav	3rd	Secured 1st Position in Vigyaan-Vista: A Quiz Competition in Vigyanotsava 2024 organized by IMSEC, Ghaziabad in collaboration with AKTU, Lucknow
6	Siddharth Sharma and Kanak Saxena	3rd	Secured 2nd Position in Vigyaan-Vista: A Quiz Competition in Vigyanotsava 2024 organized by IMSEC, Ghaziabad in collaboration with AKTU, Lucknow
7	Cynthia Swarup and Kingshuk Bhatnagar	3rd	Secured 3rd Position in Vigyaan-Vista: A Quiz Competition in Vigyanotsava 2024 organized by IMSEC, Ghaziabad in collaboration with AKTU, Lucknow
8	Aditya Raghav	3rd	Secured 1st Position in Tech-Canva: Scientific poster presentation in Vigyanotsava 2024 organized by IMSEC, Ghaziabad in collaboration with AKTU.
9	Harsh Sinha	3rd	Secured 1st Position in Yuva Samvad in Vigyanotsava 2024 organized by IMSEC, Ghaziabad in collaboration with AKTU.
10	Aarushi Verma	3rd	Completed an online course in 'SEO Tutorials for Beginners' by Simplylearn/Skillup in February, 2024.
11	Aarushi Verma	3rd	Completed an online course in 'Introduction to Website Creation using JavaScript Tutorial' by Simplylearn/Skillup in February, 2024.

6) Students' achievement of MBA Department:

| S.No	Total Number of Student	Year	Nature of Achievement
1	65 Students	1st	Completed Student Development Program on Digital Marketing comprehensive studies organized by IIT Kanpur from 19.02.2024 to 25.02.2024.

7) Students' achievement of MCA Department:

| S.No	Name of Student	Year	Nature of Achievement
1	Awdhesh Dubey	2nd	· Participated in the Quiz on "Quality and standards 2.0" organized by Department of consumer affairs on 20.02.2024. · Participated in the Quiz on "Data Privacy Awarness" organised by DSCI and MyGov on 21.02.2024. · Participated in the Quiz on "India's Democracy " organized by Ministry of Information and Broadcast on 22.02.2024. · Appointed as MyGov campus ambassador by MeITY on 25.02.2024.
2	Ms. Kanika Singhal	1st	Completed an online course on "Introduction to IoT" organized by simlilearn on 06.02.2024.
3	Tanu Sisodiya	1st	· Completed an online course on "C programming in Hindi "organized by Grat learning on 29.02.2024. · Completed an online course on "Java programming" organized by Grat
4	Manikant Sharma	1st	· Completed an online course on "Advanced Features in JAVA: Working with maps in Java" organized by skillsoft on 29.02.2024.

Other Significant Activities

1) IMS Engineering College, Ghaziabad, in association with R&D and Industrial consultancy, Dr. A.P.J. Abdul Kalam Technical University, Lucknow, celebrated National Science Day VIGYANOTSAVA-2024 on 28.02.2024 under the guidance of Prof. (Dr.) Vikram Bali, Director, IMS Engineering College, Ghaziabad. Dr. Santosh Yadav, Senior Scientist, Institute for Industrial Research for Toxicology, Ghaziabad, graced the occasion as the Chief Guest. Dr. Ajay Kumar Sharma, and Dr. Siddharth Vats, BT Dept. served as Convenor and Co-convenor respectively.
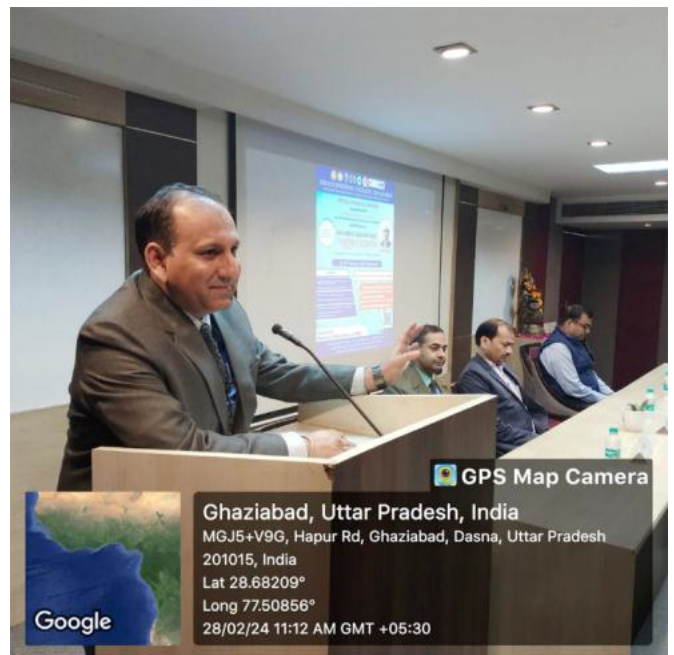
2) Department of MBA & MCA, IMS Engineering College, Ghaziabad organized annual Techno-Management Fest AAGHAAZ 2K24 on 09.02.2024. Prof. (Dr.) Vikram Bali, Director, IMS Engineering College, Ghaziabad inaugurated the Fest graced by our alumni, Mr. Ratandeep Srivastava, Director, Software Engineering Systems, Iron Systems and Mr. Haitaish Shrivastav, Founder & CEO, Bag Bugs, alongside other distinguished alumni. The Fest was coordinated by Dr. Meenu Baliyan, Head, MBA Dept. and Dr. Kavita Saxena, Head, MCA Dept. Total 780 students from IMSEC, Ghaziabad and 46 students from other colleges across Delhi NCR participated in the Fest.
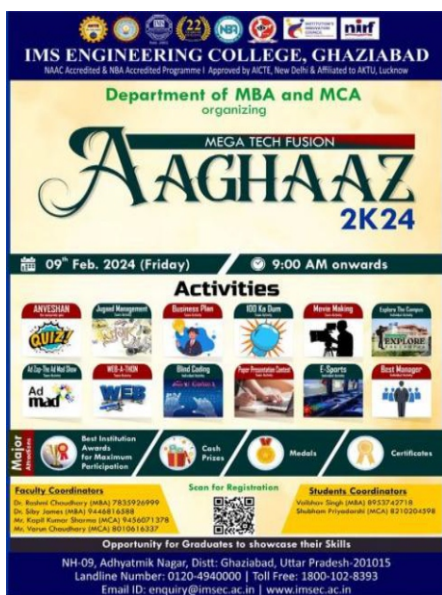
3) IMS Engineering College, Ghaziabad organized a competition National Talent Search 2024 on the occasion of National Science Day on 28.02.2024 for students of Class 11th & 12th Standard.

You are THE ARTIST of YOUR OWN life

Editor-in-Chief:
"Dr. Milan Chakraborty