Confluence
"The Newsletter"

World Kindness Day
13th November

IMS Engineering College observed World Kindness Day on November 13th. The main goal of this day is to allow everyone to reflect on and follow one of the most important and unique human principles, i.e. kindness. This day also promotes small acts of kindness, which bring people together and create an emotional bond among the various communities.

Congratulations to the Parents
AS THEIR WARDS HAVE BEEN PLACED!!!

Industry Interactions/Guest Speakers Invited:

1. **Session on "From Campus to Career: A Clinical Research Opportunities in India & Abroad":**

   The department of Biotechnology had organized an insightful session titled "From Campus to Career: A Clinical Research Opportunities in India & Abroad" on Wednesday, October 8, 2025, in the A-Block Seminar Hall. The keynote speaker for the event was Dr. Rajesh Sehgal, Managing Director, Pharma Instinct Pvt. Ltd., and a distinguished professional in the field of clinical research. The session aimed to enlighten biotechnology students about the expanding career prospects in clinical research, both within India and on the global stage. Dr. Sehgal discussed the vital role of clinical research in modern healthcare and shared his expertise on career pathways such as clinical trials, regulatory affairs, pharmacovigilance and data management. He emphasized the need for students to develop technical proficiency, analytical thinking and strong ethical grounding to excel in this dynamic industry.

2. **A Talk titled "Career Pathways in Biopharmaceuticals and Entrepreneurial Avenues: Alumni Insights" organised by Department of Biotechnology:**
The department of Biotechnology hosted an inspiring Alumni Talk on October 31, 2025, featuring Mr. Ankit Sharma, a proud alumnus of the B.Tech. Biotechnology (Batch 2007–2011) currently working in the capacity of Project Manager at Sun Pharmaceutical Industries Limited. Dr. Ajay Kumar Sharma, Head of the Department wholeheartedly welcomed Mr. Sharma. Mr. Ankit Sharma shared valuable insights into the biopharmaceutical industry, highlighting emerging career opportunities, essential skill sets and the spirit of innovation and entrepreneurship that drives success in this dynamic field. His journey—from a student at IMSEC to a leader in one of India's top pharma companies—truly inspired our young minds. The session was very interactive as the students of 2nd, 3rd and 4th year B.Tech. Biotechnology showered their queries regarding internships and placements on Mr. Ankit, who satisfied all their queries.

Academic/Industry Visit Conducted:

1. **Educational Visit to Sewage Treatment Plant:**

   The department of Biotechnology organized an educational visit for IVth B.Tech. Biotechnology students to a Sewage Treatment Plant (STP) within IMS Engineering College Campus on October 15, 2025. The visit aimed to provide students with practical insights into wastewater management, biological treatment processes and environmental biotechnology applications that complement their theoretical knowledge.
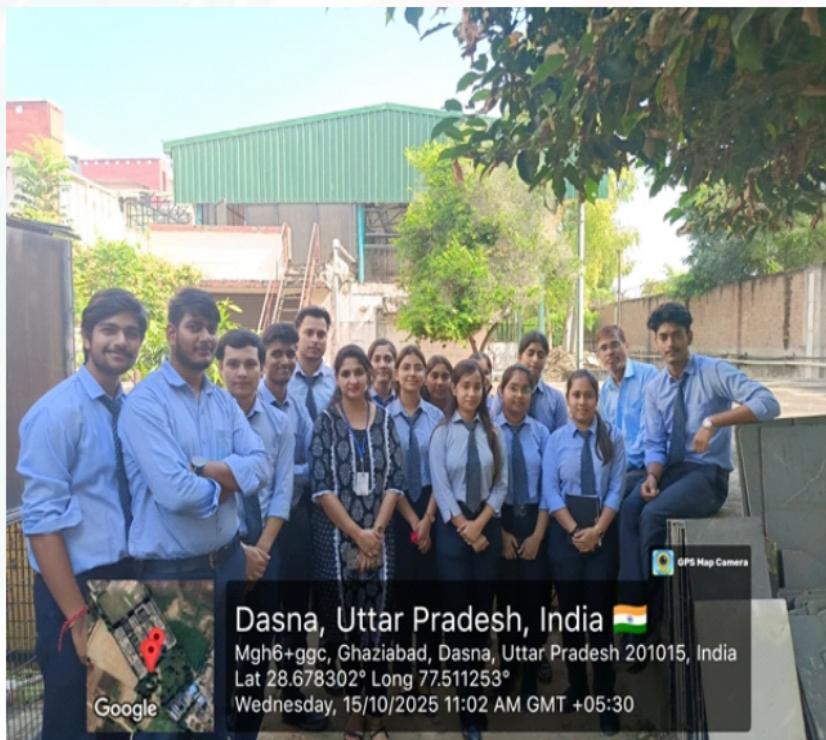
Faculty Publications:

Research Papers (In Journals):

SCI:

1. Dr. Ramesh Verma of CSE department had published his paper in the journal named Physica Scripta on the topic "A compact and multiband circularly polarized hybrid ring CDRA for WiMAX, 5G and satellite applications" in the month of October, 2025. DOI 10.1088/1402-4896/ae1078.

2. Dr. Priyanka Bhardwaj-HoD (ECE Department) has successfully published a research paper titled "Multi-Objective Design and Optimization of Complementary FETs Using a Holographic Counterpart Predictive Model" in the prestigious IEEE Transactions on Consumer Electronics" (2025), an SCIE Q1 journal with an impact factor of 10.9. representing her role as an IIT alumna.

ABDC:

1. Mr. Anurag Agarwal of MBA department had published his paper in the journal "The Journal of Asia Entrepreneurship and Sustainability" on the topic 'Digital Transformation and Business Sustainability: A Study of Asian Startups in the Post-Pandemic Era' in the month of Sept , 1176-8592 Vol. 21 No. 3 October (2025).

Others:

1. Two book chapters authored by Dr. Siddharth Vats, on "Machine Learning and Circular Bioeconomy: Transforming Sustainability through Intelligent Systems – AI-Driven Change in Circular Bioeconomy Systems", and "Microbial Diversity as a Catalyst for a Sustainable Bioeconomy: Enzyme Discovery and Bioprocess Innovation," have been officially approved by IGI Global Scientific Publishing for inclusion in the upcoming

Patents:

1. Mr. Gaurav Gulati and Ms. Neha Rani of CSE department had registered their design patent on the "AR HEADSET FOR REAL-TIME SPATIAL COMPUTING", Design No: 463376-001, in the month of October, 2025.

2. A patent (No. 571348) has been granted to Dr. Balwant Singh senior faculty (ECE department) for the invention titled "A GSM-Based Engine Locking System with GPS Tracker and Alcohol Detection", filed on 22 December 2022 under Application No. 202211074484, certifying protection for a term of 20 years from the filing date as per the Patents Act 1970, with the grant officially issued on 29 September 2025.

Faculty Achievements:

1. Dr. Sonia and Dr. Monika Nagar edited the book entitled "AI Frontiers: Transforming Health, Agriculture and Education" available online in October 2025 "Juneja, S., Ali, I., Srivastava, P.K., Balas, V.E., & Nagar, M. (Eds.). (2025). AI Frontiers: Transforming Health, Agriculture and Education (1st ed.). CRC Press. ISBN 9781032991498"

2. Dr. Sonia Juneja (HoD-CS) has chaired a session in IEEE sponsored 2nd International Conference on Computational Intelligence and Computing Applications ICCICA-2025 on Oct 30- 31,2025 organised by Panipat Institute of Engineering and Technology, Samalkha Panipat.

3. Dr. Sonia Juneja, Miss. Bhanu Verma and Miss. Monika Nagar had edited a book named "Multimodal Emotion Recognition from Voice Data using Machine Learning Techniques: A Comparative Study" in AI Frontiers: Transforming Health, Agriculture and Education (1st ed.), Eds: India, CRC Press, October 2025, ISBN 9781032991498

4. Dr. Nizam Uddin Khan (HoD-IT) has participated in the 5-day online Faculty Development Program on "Quantum Computing & Quantum Algorithm for Computer Engineers" from October 13-17,2025 organized by the "School of Computing SRM Institute of Science and Technology, Tiruchirappalli.

5. Dr. Priyanka Bhardwaj Dean R&D and HoD- ECE has served as a Jury Member at the Open House 2025 at IIT Delhi alumna.

6. Dr. Ajay Kumar of ECE Department has done the peer review for the manuscript titled "A Compact Monopole Antenna with Novel Elliptical Patch and Defected Ground Structure for UWB Applications" which has been officially added to his Web of Science Researcher Profile also.

◄ Students' Achievements: ►

1. Sudhanshu Kumar, a 4th-year Computer Science (CS) student has been selected for Naukri Campus Young Turks 2025, ranked AIR 4090 with a Percentile Score of 99.20 (Date: 29/09/2025).

2. Harshita Gupta, a 3rd-year Computer Science (CS) student, participated in the IBM Z Datathon 2025, a global data science competition.

3. Anshitaa Upadhyay of B.Tech Biotechnology, 3rd year student had participated in the National level Hackathon of manthan'25 organized by Disha The Guidance Committee of COER University from 3rd -5th October, 2025.

4. The student named Sona Yadav of B.Tech. Biotechnology, 3rd year had participated in National level Hackathon of manthan'25 organized by Disha The Guidance Committee of COER University from 3rd - 5th October 2025.

5. Diya Guha, student of B.Tech. Biotechnology, 3rd year:

- The student named Diya Guha of B.Tech. Biotechnology, 3rd year had attended a Webinar on 'Career in Drug Regulatory Affair' on 7th October, 2025, organized by Learntoupgrade.

- She has also completed the online self-paced lecture on 'Good Regulatory Practices in the Regulation of Medical Products' on 13th October, 2025, developed by Control Drugs Standard Control Organization (CDSCO), World Health Organization (WHO) India Country Office and Biotechnology Research and Innovation Council (BRIC), Translational Health Science and Technology Institute (THSTI), Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India.

6. The student named Khushi of B.Tech. Biotechnology, 3rd year had successfully completed Module on 'Custom named entity recognition' on 23rd October, 2025, an online course by Microsoft Ignite.

7. Khushi of B.Tech. Biotechnology of 3rd year had successfully completed her module on 'Translate Text with Azure AI Translator Services' on 23rd October, 2025, an online course by Microsoft Ignite.

Students' Club Activities:

1. Event: "ALGOQUEST 2025 – Observe, Brainstorm, Develop, Visualize and Deliver" organized by: DataVerse Club. A creatively driven algorithm design challenge that brought together over 15 dynamic teams to think, design, and deliver innovative solutions.
   The Winner Team was Algonauts and the Runner-up Team was Team Intellicore.

2. The Department of MCA, under the guidance of the Internal Quality Assurance Cell (IQAC) and the Institution's Innovation Council (IIC) organized a Quiz Contest "Brain Blast Tech Challenge" under IT Elite Technical Club for MCA first year students on 08 October 2025. This contest had three rounds. The First round was of verbal test, Second round was of Aptitude and Third round was a Technical round. In all 67 students participated in this quiz contest.

Cultural Activities Conducted:

1. The Cultural Club of the MCA Department organized a Street Play on "सड़क पर समझदारी, ज़िंदगी में खुशहाली" (Road Safety Awareness) on 16th October 2025 at the IMS Campus.
   The event aimed to spread awareness about the importance of road safety and responsible behavior on roads through an engaging and thought-provoking Nukkad Natak. The performance beautifully conveyed how small acts of caution can save lives and bring happiness to families.

A GOAL
WITHOUT
A PLAN
IS JUST
A WISH

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