











IMS ENGINEERING COLLEGE, GHAZIABA
NAAC Accredited & NBA Accredited Programme | Approved by AICTE, New Delhi & Affiliated to AKTU, Lucknow

Iune - 2025

Volume -IV Issue -VI

Food safety is a shared responsibility between governments, producers and consumers. Everybody has a role to play from farm to table to ensure the food we consume is safe and will not cause damages to our health. Through the World Food Safety Day, IMSEC pursues its efforts to mainstream food safety in the public agenda and reduce the burden of food borne diseases.

WORLD FOOD (7<sup>th</sup> June) SAFETY



# **Congratulations to the Parents!!!**

AS THEIR WARDS HAVE BEEN PLACED



Ref. No. CDC/Batch/2025/77 Date: 29<sup>th</sup> May 2025

IMS ENGINEERING COLLEGE, GHAZIABAD

CDC Department

Congratulations Notice

IMSEC congratulates you on your selection in Velocity Software.

Sr. No.	Name	Roll No.	Course
1	Archit Chauhan	2101430100036	B.Tech-CSE

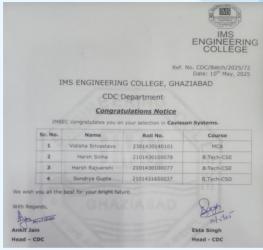
We wish you all the best for your bright future

With Regards

Ankit Jain

Head - CDC

Ekta Singh Head - CDC





# Industry Interactions/Guest Speakers Invited:

#### 1. Workshop on "Roadmap to Data Structures and Algorithms":

The department of Computer Science and Engineering has conducted a workshop on 16 th May 2025 titled "Roadmap to Data Structures and Algorithms" exclusively for second-year CSE students. The event was a resounding success offering students a valuable insight into problem-solving techniques and preparation for a career in tech industry. The session was chaired by Mr. Monu Kumar, a competitive programmer and expert in Data Structures, Algorithms and Mathematics. He is widely recognized for his creative approach to problem-solving and his ability to simplify complex topics making them accessible and engaging.

An engaging on-the-spot quiz was also organized to assess the participants' IQ and presence of mind. Sajal Gupta, a student of 2nd year CSE2 emerged as the winner, while Vikas Maurya and Sanskar Pandey were declared runners-up for their commendable performance and quick thinking.



#### The Department of Computer Science successfully completed a one-day workshop on React JS:

The CS department organized a workshop on React JS held on 14.05.2025. The event was coordinated by Mr. Govind Kr Rahul, Assistant Professor. The session was filled with interactive learnings, hands-on coding. Mr. Abhishek Shanker Choudhary, who was the esteemed resource person, delivered an engaging and insightful session on building dynamic user interfaces with React JS. His expertise truly enriched the learning experience.





# 3. Sparks Club of the Computer Science Department organized a seminar on "Predictive Analysis using Machine Learning with Python"

The Sparks Club of Computer Science department had organized a seminar on "Predictive Analysis using Machine Learning with Python" on 15th May 2025, from 1:40 PM to 4:20 PM in Labs. The event was coordinated by Ms. Bhanu Verma. The session was conducted by Mr. Alok Kumar, a Data Science Trainer at "Appwars Technologies". The seminar was specially organized for 2nd-year students from the Computer Science and allied branches. A total of 40 students actively participated in the session. The session highlighted internship opportunities in the field of ML and Al with reputed companies and shared valuable tips on how students can prepare and apply for such roles.



# Sparks Club of Computer Science Department is organizing

Seminar

ON

# "Predictive Analysis Using Machine Learning With Python"

for 2nd year CS/CSD/CSE-AIML Students



(Assistant Professor, CS)

Student Coordinators
Dhruv Gupta
Kumar Bhaskar

Event Coordinator
Ms. Rhanu Verma

15<sup>th</sup> May, 2025
 01:30 PM onwards

Lab No.10, C Block

NH-09, Adhyatmik Nagar, Distt: Ghaziabad, Uttar Pradesh-201015 Landline Number: 0120-4940000 | Toll Free: 1800-102-8393 Mobile: 9821396581/82 | www.imsec.ac.in

### 4. The department of MCA has organized an expert talk on "Campus to Code":

The department of MCA has organized an expert talk on "Campus to Code" for all MCA first year students on 9th May 2025. This insightful session aimed to bridge the gap between academic learning and industry practices, equipping students with knowledge and motivation to transit effectively into professional coding environments. The distinguished speaker for the session was Mr. Shashank Kumar Mishra from Technical Lead Developer at City Furniture, Florida, USA". He shared valuable insights from his professional journey, emphasizing on industry expectations, coding best practices, and how students can upskill themselves to thrive in the software development field.



# Value added Program Conducted:

#### 1. A session on Project-Based Learning (PBL) conducted:

A session on Project-Based Learning (PBL) was conducted by the department of Computer Science on 27th May 2025, as a forward-thinking initiative by Dr. Sonia Juneja, HoD, Computer Science Department. The session introduced students to the concept of domain-based "Value Added Courses" offered by the department especially designed to enrich traditional learning through real-time projects and hands-on experience focusing on project-based learning in four high-demand domains:

- Cloud Computing
- Data Science with Python
- Web Development with Python
- Cyber Security

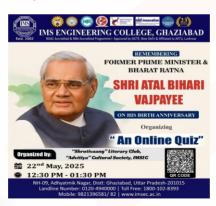
The event was graced by two esteemed speakers: Mr. Shiv Tripathi, Professor of Practice (CS) and Associate Director- IT Audit and Circor International Inc. and Ms. Hunny Gaur, Assistant Professor (CS). The session provided deep insights into the respective domains, shared real-world applications and guided students on how to approach domain-specific projects effectively.





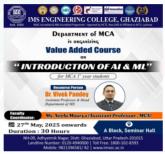
#### 2. AS&H organized an online Quiz:

Dr. Savita Agarwal, Professor from the department of Applied Sciences and Humanities has organized an "Online Quiz" in association with the "Shrutivaang Literary Club" operational under the flagship of "Advitiya Cultural Society" of IMSEC on the occasion of the Birth Anniversary of Bharat Ratna Shri Atal Bihari Vajpayeeji on dated 22nd May 2025. More than 175 students had participated and gained knowledge from this quiz.



#### 3. Capsule course on Artificial Intelligence and Machine Learning:

A value-added course titled "Introduction to Artificial Intelligence and Machine Learning" was started on 27th May onwards 2025. The objective of the course was to introduce students to the fundamental concepts of Artificial Intelligence and Machine Learning along with their diverse applications across scientific and technological domains.



#### 4. The MBA department signed a MoU with APPWARS Technologies Pvt. Ltd. Noida:

The department of MBA has signed an MoU with APPWARS Technologies Pvt. Ltd. Noida, marking the beginning of a strategic partnership aimed at enhancing the educational and professional development opportunities for MBA students. The collaboration seeks to bridge the gap between academic learning and industry needs by providing specialized training and certifications to students, faculty and other professionals.



# Industry/Academic Visit Conducted:

#### 1. An educational visit to DUCAT, Noida on 15th May, 2025:

The Department of Computer Science and Engineering successfully organized an enriching industrial visit to DUCAT, Noida for 2nd-year CSE students.

The visit provided students with practical exposure to the latest technologies and trends in the IT industry. Experts at DUCAT conducted interactive sessions on software development, cloud computing and emerging tech innovations, bridging the gap between academic learning and real-world application.



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#### 2. MBA's industrial visit to HAIER:

The department of MBA has conducted industrial visit to HAIER on 6th May, 2025. There were 37 students to take leverage from the visit. The program is designed to deliver maximum value in a concise time frame. The objective of the visit is to impart exposure to students about working in a manufacturing unit and understand the working culture.





## New Initiative/ Developmental Activities Undertaken:

 The R&D Cell in collaboration with CDAC Noida organized a seminar on "Artificial Intelligence":

The R&D Cell in collaboration with CDAC Noida organized a seminar on "Artificial Intelligence" for 2nd year B.Tech. students on 02-05-2025.



 The R&D Cell in collaboration with CDAC Noida organized a seminar on "Machine Learning":

The R&D Cell in collaboration with CDAC Noida organized a Seminar on "Machine Learning" for 2nd year B.Tech students on 01-05-2025.



# Faculty Publications:

#### 1. Mr. Anubhav Sarma's publications:

- I) Submitted a Book chapter titled "Digital Image Processing in Computer Vision and Internet of Everything (IoE) for Societal Needs Book (pp. 1-20). IGI Global Scientific Publishing.
- II) Also published a book as a solo author: "Blockchain Demystified: A Beginner's Guide".





Mr. Gaurav Gulati published a paper on "Comparative Analysis of an Al-enabled State-of-the- Art Models for the Detection of DDoS Attacks on IoT Devices" in IEEE Conference.



 Dr. Amit Chugh, published a patent titled "AI-Based Intelligent Blended Education Framework with Real-Time Learning Path Optimization and Feedback Analytics". Application No.202531045774 A.



4. Mr. Vibhor Harit published and granted a patent titled "IoT based Rechargeable Digital Clinic Health Account Directory Device".



5. Mr. Ravi Kant submitted a paper on "Design of H-Shape Open Slot Loaded Dual Band Microstrip Patch Antenna for Internet of Things (IoT) and Fixed Satellite Service (FSS) Applications," in AIP Conference Proceedings Journal.



#### 6. Dr. Ramesh Verma had published the following Research Papers:

- Submitted a paper on "Performance characteristics of multiband SIW CBSA antennas based on microstrip feeding" in Advances in Electronics, Computer, Physical and Chemical Sciences, pp. 161-165, CRC Press, 2025.
- Submitted a paper on "PSO-Based Resource Allocation in Cognitive Radio Ad-Hoc Network" in Defense Science Journal, Vol.75, no.3, pp.331–338, 2025 (SCIE, DRDO, IF=0.9)
- 7. Dr. Rabab Anjum and Dr. Siddharth Vats had published "one book chapter along with the students named Faiza Nasir and Ananya Bhaskar. (B.Tech. Biotechnology 4th year).
- 8. Anjum, R., Vats, S., Rafi, Z., Nasir, & Bhaskar, had published a paper on "Telemedicine: A Boon for Mental Health Awareness." In Telemedicine and E-Health Essentials (pp. 76-98). CRC Press.
- Prof. Madhvendra Verma, Balwant Singh published a paper titled on "Agri-Drone for Precision Agriculture" at International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653, Volume 13 Issue IV Apr 2025.

# Faculty Achievements:

1. Ms. Vibhor Harit, act as a Reviewer in IEEE conference held at GL Bajaj Greater Noida.



2. Dr. Monika Nagar was appointed as a reviewer for the 3rd International Conference on Computer, Electronics and Electrical Engineering and their Applications (IC2E3-2025), held from May 15 to 16 2025, at the National Institute of Technology Uttarakhand, India."



3. Dr. Vivek Pandey completed his online FDP on "Emerging Technologies in Engineering, Medical Instrumentation, EVs, and Microgrid Systems" organized by Department of Electrical Engineering, Central University of Haryana, Mahendragarh from 15/05/2025 to 21/05/2025.



4. Dr. Subhash Mishra completed his online FDP on "Next Generation Renewable Energy Technologies: Transformative Approaches on Sustainable Development" organized by Department of Mechanical Engineering, SKIT, Jaipur from 06/05/2025 to 10/05/2025.



- 5. Dr. Shomini Parashar, Assistant Professor in Biotechnology department had completed her "Advanced Level Innovation Ambassador (IA) Training Program organized by the Ministry of Education's Innovation Cell in collaboration with AICTE.
- 6. Dr. Kavita Saxena has completed her Faculty Development Program (FDP) on 'IoT and its Applications' organized by IIT Guwahati, Assam held from 24th March to 29th March 2025."
- 7. Dr. Kavita Singh has presented her paper titled "Transformational Leadership in a Globalized World: Empowering Aspiring Global Leaders in 2025" in International Conference in CSJM university Kanpur during 24-25 March 2025.



- 8. Dr. Anurag Aggarwal has participated in a 2-day FDP on "Generative Al and its impact on computing application" from 26th to 28th March 2025 from Bennett University.
- Dr. Anurag Aggarwal has presented his paper in the Internation Conference on "The AI-EI Nexus to enhance digital learning to achieve SDG" in TMU during 25-26th April 2025.
- 10. Dr. Anurag Aggarwal has participated in a 1-day online webinar on Coding theory in time of cloud storage? in SRU university.
- 11. Dr. Anurag Aggarwal has participated in a 1- day National Conference on "Managing self and organization through Indian knowledge system in TMU on 26th April 2025.
- 12. Dr. Anurag Aggarwal: He has participated in a 1-day online FDP on 'Cyber security and risk management' in Grace international school on 12th April 2025.

# Students' Achievements:







- Faiza Nasir, B.Tech. Biotechnology 4th year student completed her 'Data Analytics Job Simulation' at Deloitte on May 24, 2025.
- 3. Vishakha Sharma, B.Tech. Biotechnology 2nd year student had completed her 'Fundamentals of Quantitative Modeling', an online non-credit course authorized by University of Pennsylvania and offered through Coursera.
- 4. Yash, an MCA 1st-year student completed his certificate course in Basic Python on Udemy in May 2025



5. Team Code Crafters comprising Vishesh Verma, Gargi Sharma, Varshit and Mukul Rana of CS department, secured the Runner-Up position at the prestigious "Build & Beyond" Hackathon organized by the MCA Department, IMSEC on 21st April 2025. The team was awarded a Trophy and Certificates for their remarkable achievement. Under the leadership of Vishesh Verma, the team has successfully built an innovative e-commerce website within the limited time frame. The project featured multi-category browsing, dynamic cart pricing and an Al-powered personalized search offering a smarter online shopping experience.



# Any Other Significant Activities Conducted:

1. The department of IT has organized a two-hour special session for IInd year students (2024-25, Even Semester) on the topic "Innovative Mentoring for Success in Placement- Peer Learning Approach" on 29th May 2025 conducted by B.Tech. (IT) final year placed students of batch (2024-25, Even Semester). The final year placed students who conducted the session were Ms. Disha Garg (Placed in HCL Tech, JK Tech), Ms. Manisha (HCL Tech. Mittal Software Labs Ltd.) and Mr. Harsh Saraswat (AIHI Fusion Technologies Pvt. Ltd.). The session was quite useful and the senior students guided the second year students dedicatedly.



2. The department of Biotechnology had successfully organized an interactive session for B.Tech. Biotechnology students on "Angel Investment/VC Funding Opportunity for Early-Stage Entrepreneurs" as part of Institution's Innovation Council (IIC) activity on 1st May, 2025. The session delivered by Dr. Ajay Kumar Sharma, Head of Department of Biotechnology and Innovation Ambassador empowered budding biotech innovators with valuable insights on how to kick start their entrepreneurial journey through angel investment and venture capital funding opportunities.



3. The department of Biotechnology in collaboration with IQAC organised a workshop based on the theme "From Spreadsheets to Smart Tools". It was a workshop on MS Office and Generative AI held on May 10, 2025. The workshop was exclusively designed and executed by Dr. Manish Pant, Assistant Professor, Department of Biotechnology to upskill the lab and office teams in the latest Al-driven and Excelbased productivity solutions. Participants dove into hands-on modules covering advanced Excel techniques, pivot tables, macros, data visualization and explored Generative AI tools to automate reporting, generate insights and streamline decision-making.



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4. The Web Warrior Club of the MCA department organized a technical quiz contest titled "Tech spark: The Coding Challenge" on 7th May 2025, exclusively for MCA students. The primary objective of the contest was to assist students to gain valuable knowledge and enhance their technical skills in programming.



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5. IT Elite Technical Club of MCA department had organized a technical quiz contest titled "Mind spark: The Aptitude Challenge" on 5th May 2025 for MCA students. The primary objective of this event was to help students to strengthen their aptitude and logical reasoning skills which are crucial for getting success in placement drives and competitive examinations.



**6.** BIZWHIZ- (MBA Club Activity): The department of MBA organized a Business Quiz held on 22 April 2025 for MBA I and II-year students.





#### 6. Celebration of the National Technology Day:

The Department of Computer Science and Engineering (CSE) celebrated National Technology Day with great enthusiasm on 15th of May 2025, highlighting the pivotal role of technology in shaping a smarter and more connected future. The occasion brought together students to honor the spirit of innovation, scientific progress, and technological advancement.

As part of the celebration, the department organized an Online Quiz Competition on 13/05/2025, specifically conducted for 2nd and 3rd year students. The event encouraged participants to showcase their knowledge and passion for technology. It witnessed active participation and enthusiastic responses from students across both years

#### Winners of the Quiz:

- 1st Place: Aryan Gupta (2201430100054) 3rd Year (CSE1)
- 2nd Place: Nikhil Dabas (2301430100154) 2nd Year (CSE3)





# STEPS LEAD TO BIG CHANGES

**Editor-in-Chief:** 

"Dr. Milan Chakraborty"