



IMS ENGINEERING COLLEGE, GHAZIABAD

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

May - 2026

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CONFLUENCE

“The Newsletter”

NATIONAL TECHNOLOGY DAY

The stake holders of **IMSEC** has observed “**The National Technology Day**” on **11th May** to highlight the importance of Science in our daily lives and encourage students to think scientifically in their every walk of life.



Estd. 2002



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B.Tech-CS

(Batch 2026)

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Details of Industry Interactions/Guest Speakers Invited:

1. The department of Biotechnology successfully organized an insightful Expert Talk on “Monoclonal Antibodies for Diseases” on April 15, 2026. The session was delivered by Dr. Shyam Bansal, Associate Professor, Cell and Biological Systems, Pennsylvania State University, Hershey Medical Center, USA, who shared his valuable expertise on the applications of monoclonal antibodies in disease diagnosis and therapeutics.

The talk provided students and faculty with in-depth knowledge of cutting-edge advancements in biotechnology, while fostering innovation and creativity in understanding real-world medical applications. The interactive session encouraged curiosity, critical thinking, and a deeper exploration of emerging research trends.

The event was efficiently coordinated by Dr. Indu Bhatt, Assistant Professor, department of Biotechnology. The session was highly engaging and proved to be a great learning experience for all attendees, inspiring new ideas and innovative perspectives.



2. The department of MBA has organized a Guest Lecture on “Skills Every MBA Graduate Needs to Succeed in the Corporate World” on 17 April 2026. Mr. Dhruv Sood, Partner & CEO, Realistic India, guided students on essential corporate, leadership, and communication skills required for professional success. The session enhanced students’ understanding of industry expectations and career readiness.



3. The MBA department organized an insightful guest lecture on “Building a Successful Career in Corporate Sector”. The session was delivered by Mr. Ajay Singh, Director – Modern Trade & Quick Commerce, Cipla Health Limited, who shared valuable corporate and leadership insights. Students gained practical knowledge about career growth, adaptability, discipline, and industry expectations through an interactive discussion.



Value Added Programs Conducted:

1. The department of Biotechnology has participated in the India Skills National Competition 2025–26 under the Chemical Laboratory Technology category, held at ITPO, Greater Noida, from March 29 to April 1, 2026. The prestigious national-level event brought together institutions and skilled participants across the country promoting excellence in technical education and industry-relevant skills.

The department played a crucial role in the successful execution of the competition by establishing the required laboratory facilities. This significant contribution ensured the smooth conduct of the event and led to IMS Engineering College being recognized as a Partner Institute in this flagship initiative of the Government of India.



2. The EC department has conducted a GATE Preparation Seminar on 6th April 2026 for ECE 3rd year and 2nd year students, delivered by expert faculty for providing guidance on exam pattern, preparation strategies, time management, problem-solving techniques, and career opportunities through GATE.



3. The department of Computer Science organized the Project Expo, "SynergyX: Ideas to Innovation," on 25th April 2026, providing a platform for final-year students to showcase their innovative and application-oriented projects across diverse domains.

The expo witnessed active participation from multiple departments, with around 155 participants. The projects reflected interdisciplinary collaboration and a strong focus on real-world problem-solving.

FDP/ Workshops/ Conferences Conducted:

1. A workshop was conducted by the department of Information Technology on 20th April, 2026 by Netcamp Solutions for the students to enhance their technical knowledge and practical understanding of modern security and networking concepts. During the session, participants were introduced to cyber Security concepts. The resource person explained various types of cyber threats. Students were made aware of safe online practices. The session also covered important concepts of computer networks including network architecture, IP addressing, switching and network protocols. The experts from Netcamp Solutions shared industry experiences and discussed current trends, career opportunities, and certifications related to networking and cyber security.

An MoU (Memorandum of Understanding) was also signed between the institution and Netcamp Solutions to promote academic learning and industrial practices. This collaboration aims to promote industry-academia interaction, provide training opportunities, and enhance skill development among students.



2. The department of Computer Science has organized the Project Expo "SynergyX: Ideas to Innovation" on 25th April 2026, providing a platform for final-year students to showcase their innovative and application-oriented projects across diverse domains.

The expo witnessed active participation from multiple departments of around 155 participants. These projects reflected interdisciplinary collaboration and a strong focus on real-world problem-solving.



Academic/Industry Visits Conducted:

1. On 1st April 2026 (Wednesday), the IT department organized an industrial visit for 3rd year students at APPWARS Technologies Pvt. Ltd., Noida. During the visit, students explored various functional units of the organization, including the development workspace, operations area, and project management sections. They gained insights into how different teams collaborate in a professional environment to deliver scalable products and services.



2. The MBA department has organized an educational visit to Sahibabad plant of “Havells India Limited” on 10 April 2026 to gain practical exposure to industrial operations, manufacturing processes, and organizational practices for MBA first year students. The visit enhanced students’ understanding of efficiency, productivity, and real industrial environments.



3. The MBA first-year students have also visited the Coca-Cola Happiness Factory, Greater Noida on 15th and 16th April 2026 to gain practical exposure to beverage manufacturing, bottling, quality control, packaging, and marketing operations. The visit provided valuable insights into real industrial processes and enhanced students’ understanding of large-scale industrial and business operations.



Faculty Publications:

Research Papers (In Journals):

SCI:

1. Dr. Sadiya Anjum of Applied Sciences & Humanities department has published her paper on the topic "Progress in the development of red OLEDs from ternary europium coordination complexes comprising anionic β -diketones and neutral imine/phosphine oxide ligands" in the "Coordination Chemistry Reviews", Volume 563, 2026, 217952. (SCI Indexed with IF 23.5)

Scopus:

1. Prof. Anurag Agarwal of MBA department had published his paper in the journal named "Sodhkosh Journal of Visual and Performing Arts" on the topic "AI and Machine learning in Audio Visual Media Production: Intelligent Content Creation, Editing and Audience Analytics" in the month of April, 2026; ISSN (Online) 2582-7472.

Book Chapters:

1. Dr. Sadiya Anjum of Applied Sciences & Humanities department has published her book chapter named "Pectin-Based Edible Films: A Natural Approach to Food Packaging. Biomaterials for Sustainable Food Packaging: Challenges and Solutions". 129-143, 2026. (SCI Indexed)
2. Dr. Shilpi Singhal has published an Edited Book Chapter on "The Impact of AI on Human Resource Practices and Educational system".
3. Prof. Nakul Rana has published an Edited Book Chapter on "The Impact of AI on Human Resource Practices and Educational System".
4. Prof. Neelu Mourya has published her Edited Book Chapter in "The Impact of AI on Human Resource Practices and Educational System".

5. Dr. Nidhi Ahuja Nigam of Applied Sciences & Humanities department co-authored a book named “Environmental Issues in the Modern World” published by “Vashisthya Research and Education Foundation” on 9th of March 2026, with ISBN no. 978-93-49527-63-8.



Others:

1. Ms. Shilpi Singhal published a paper in the Journal named “Sodhkosh: Journal of Visual and Performing Arts” on the title “AI and Machine Learning in audio-visual media production: Intelligent Content Creation, Editing and Audience Analytics” in April 2026.
2. Prof. Varun Chaudhary has published a paper in the Journal named “Sodhkosh: Journal of Visual and Performing Arts” on the title “AI and Machine Learning in Audio-Visual Media Production: Intelligent Content Creation, Editing and Audience Analytics” in April 2026.

Research Papers (In Conference):

Book of Proceedings:

1. Dr. M P Singh and Prof. Anurag Agarwal of MBA department had presented and published their paper in the “International Conference on Global Business Innovation: Inclusion and Expansion” on the topic “Emotional Intelligence as a Strategic Enabler of Entrepreneurial Performance: Advancing Inclusive Innovation and Market Expansion in Emerging Economies” in the month of April, 2026. Bharti Publications,

Students' Publications:

1. The students Abhinav Sharma, Aman Shishodia, and Ashish Sharma of EC department have published a research paper titled "A Wearable Navigation and Direction Assistance" in the International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 08, Issue 04, in April 2026.
2. The students named Ankur Kaushik, and Shubhi Jain of EC department have published a research paper titled "Smart Sphere Living" in the International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 08, Issue 04, in April 2026.
3. The students Ankit Singh, Yash Pratap Singh, and Shri Ram Pandey of EC department have published a research paper titled "Wireless Audio Transfer Using Laser" in the International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 08, Issue 04, in April
4. The students Arjun Kumar, Bhavana Sharma, and Keshav Kumar of EC department have published a research paper titled "Bluetooth Controlled Fire Fighting Robot" in the International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 08, Issue 04, in April 2026.



5. The students Avnish Mishra, Deepanjali Srivastav, and Anshuman Singh of EC department have published a research paper titled “AI-Powered Crop Disease Detection” in the International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 08, Issue 04, April 2026, focusing on deep learning-based crop disease detection and classification techniques.



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AI-POWERED CROP DISEASE DETECTION

Avnish Mishra^{*1}, Deepanjali Srivastava^{*2}, Anshuman Singh^{*3}, Dr. Balwant Singh^{*4}

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DOI: <https://www.doi.org/10.56726/IRJMETS96435>

ABSTRACT

Crop Diseases Pose A Significant Threat To Global Food Security, Causing Approximately 20-40% Reduction In Crop Yields Annually. Traditional Disease Detection Methods Rely On Manual Inspection By Agricultural Experts, Which Is Time-Consuming, Labor-Intensive, And Often Inaccurate Due To The Subtle Nature Of Disease Symptoms. This Research Paper Presents A Comprehensive Study On Ai-Powered Crop Disease Detection Systems Utilizing Advanced Deep Learning Techniques, Particularly Convolutional Neural Networks (Cnns) And The Vision Transformer (Vit) Architecture.

This Paper Proposes A Novel Integrated Framework Combining State-Of-The-Art Deep Learning Models—including Depthwise Cnns With Squeeze-And-Excitation (Se) Blocks, Modified YOLOv5s For Object Detection, And Lightweight Vision Transformer Models—for Automated, Real-Time Crop Disease Classification And Localization. The System Addresses Critical Challenges In Agricultural Disease Management: Early Detection, High Accuracy Across Diverse Crop Types, Computational Efficiency For Resource-Constrained Devices, And Practical Deployment In Real-World Farming Scenarios.

6. The students Prajwal Rawat, Samarth Saxena, and Rohit Yadav of EC department have published a research paper titled “Design and Development of an Affordable ESP32-Based Micro Drone with Automated Landing and Kalman Filtered TOF Sensing” in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 14, Issue IV, April 2026.

7. The students named Vickey Yadav, Abhiraj Kumar, and Mayank Yadav of EC department have published a research paper titled “Renewable Energy Monitoring System for Micro grids” in the International Journal of Web of Multi disciplinary Studies, Volume 3, Issue 4, April 2026, focussing on IoT-based renewable energy monitoring and smart micro grid management systems.
8. The students Vaishnavi Kaushal of EC department has presented a research paper titled “An IoT-Based Integrated Vehicle Safety System for Accident Detection and Driver Monitoring” at the International Conference on Progressive Trends in Engineering, Management & Science (PTEMS-2026) organized by Greater Noida Institute of Technology on 10–11 April 2026.



Faculty Achievements:

1. Prof. Kashyap Khan of the CS department, along with co-authors Mr. Vibhanshu Tripathi, Mr. Anshu Tiwari, Ms. Geeta, and Er. Kashaf Khan, has successfully published a book titled “Computer Organization and Architecture.” The book is published by CHYREN Publication, Palwal, Haryana, India. The book carries ISBN: 978-93-7143-432-4, with Book Reference No.: 1180, and is released as the 1st Edition in April 2026.

Book Link:

<https://www.flipkart.com/product/p/itme?pid=9789371434324>

2. Dr. Siddharth Vats (Department of Biotechnology):

- a) The faculty of Biotechnology department named Dr. Siddharth Vats has received Certificate of Excellence in reviewing by the Journal of Materials Science Research and Reviews.
 - b) He has also received a Certificate of Excellence in reviewing by the Asian Journal of Chemical Sciences.
 - c) He has been recognized for receiving the Certificate of Excellence in reviewing by the Journal of Advances in Microbiology.
 - d) He also has reviewed a manuscript titled "Thymidine Kinase as a Biomarker of Chemo resistance in Epithelial Ovarian Cancer" for Frontiers in Pharmacology on April 6, 2026.
 - e) Furthermore, he has also received a confirmation of receipt of his review report for a manuscript focussed on protein biomaterial - based thin films for antibiotic delivery on April 8, 2026, from the editorial office of Academia of Materials Sciences.
 - f) Last but not least, he has also reviewed work for the Journal of Food Science and Technology was credited to his ORCID profile (ID: 0000-0002-4225-651X) by Springer Nature on April 30, 2026
3. Prof. Atul Kushwaha of EEE department has completed the course on Generative AI Essentials offered under the "AI for all" program by MPIT-CoE in partnership with TCS foundation held in April 2026 through TCS iON.
 4. Dr. Sadiya Anjum of Applied Sciences & Humanities department has participated in the FDP on the topic "Research Methodology, Scientific Publications & Advanced Instrumentation Techniques" organised by the Department of Chemistry, School of Sciences, Woxsen University, Hyderabad, in between 13-17 April, 2026.
 5. Dr. Shomini Parashar delivered an expert talk in the department of Biotechnology on the topic "IPR in Biotechnology: A gateway to innovation and commercialization" on 17th April, 2026. The session gave a comprehensive understanding of conceptual clarity, legal awareness, and real world application of Intellectual Property Rights, especially for biotechnology students and researchers. It helped the students to strengthen the innovation and entrepreneurial ecosystem within the department.

6. Prof. Aman Maheshwari of the MBA department was successful in securing the acceptance of his research paper at the British Academy of Management Conference 2026, hosted by Royal Holloway, University of London.



Heartiest congratulations to Aman Maheshwari.

His paper titled "Decoupling and De-risking Strategies: Investigating how MNEs are balancing efficiency and resilience amid U.S.-China tech tensions," has been selected for presentation at the prestigious British Academy of Management (BAM) 2026, conference hosted by Royal Holloway, University of London.





AMAN MAHESHWARI
Assistant Professor, MBA
IMS Engineering College, Ghaziabad

7. Prof. Anurag Aggarwal, a faculty member of the MBA department, has received the Research Excellence Award 2026 from the International Business and Education Award 2026.



Students' Achievements:

1. Ashwani Pratap Singh, a 3rd-year student of CSE-AIML, has successfully completed the Cloud Security Fundamentals course offered by Palo Alto Networks.
2. Krishna Saraswat, a 2nd-year CS student, participated in the Short-Term Training Program (STTP) on "Emerging Trends in Cyber Security, Threat Intelligence, and Digital Forensics" conducted from 9th March 2026 to 13th March 2026 under the ISEA Project Phase III.
3. Priyash Singh, a 2nd-year Computer Science student, had achieved the internship credential by completing a 10-week program in the domain of Ethical Hacking on 8th March and secured the Runner-Up position in the Tech Triumphs Prompt Battle, held on 13th April.
4. Ashwani Pratap Singh, a 3rd-year student of CSE-AIML, has successfully completed the Cloud Security Fundamentals course offered by Palo Alto Networks.
5. The student named Manya Goel of B.Tech. Biotechnology, 2nd year passed the assessment of 'Skill Quest – Generative AI Literacy' organized by SimpliLearn and SkillUP on April 24, 2026.
6. A student named Harsh Chauhan has completed his Certification in "OOPS with Java" from ITAR Academy on April, 2026.

Students' Club Activities:

1. A student named Harsh Chauhan has completed his Certification in "OOPS with Java" from ITAR Academy on April, 2026.
2. The IT Elite Technical Club of MCA department has organized a coding contest titled "Byte Mysteries" for first-year MCA students on 7th April in the Seminar Hall. The primary objective of the event was to enhance problem-solving and analytical thinking skills among students while strengthening their programming knowledge through practical challenges. It also aimed to encourage logical reasoning, promote a spirit of healthy competition, and provide a platform for students to showcase their coding abilities.



3. The Web Warrior Club of the MCA department has organized the event on the occasion of Innovation Day by the name “Innovate to Elevate: Shaping the Future,” on 21 April 2026 in the Seminar Hall of Block-A. On this occasion, Dr. Siby James delivered an insightful session highlighting the importance of innovation and its role.

IMS ENGINEERING COLLEGE, GHAZIABAD
Department of MCA
is organising

INNOVATE TO ELEVATE: SHAPING THE FUTURE

— An Inspiring Session for Future Innovators —

	Event Coordinator Mr. Varun Chaudhary
	Date 21 April 2026
	Time 10:00 AM onwards
	Venue A-Block Seminar hall

MR. SIBY JAMES

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ON THE OUTCOME
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