

The students of IMSEC had celebrated National Science Day on 28 February to mark the discovery of the "Raman Effect" by the Indian physicist Sir Chandrasekhara Venkata Raman and to encourage research & innovations among students to focus on experiments rather than to acquire theoretical knowledge. Moreover, for this discovery he was honored with the <u>Nobel Prize</u> in Physics in 1930.

"The Newsletter"

The Raman Effect is a phenomenon that occurs when light scatters after passing through a transparent medium. It happens when the wavelength of light changes as it passes through the medium. The scattered light has spectral lines at different frequencies than the original light.

We feel pleasure to inform that an alumnus named Mr. Gaddala Finny Theophorous, a 2024 pass-out student from the B.Tech. ECE Department, has secured his admission to the prestigious University of North Carolina Wilmington (UNCW) for pursuing his Masters in Science, Computer Science and Information Systems (MSCSIS) program.

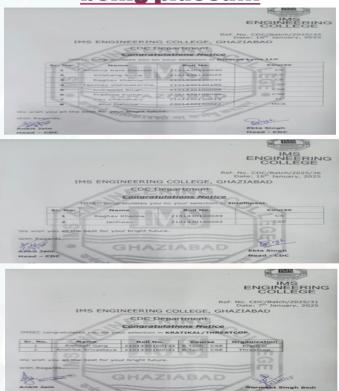


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Congratulation Students for being placed!!!



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Dear Students, Greetings from CDC!

Heartfelt Congratulations on your selection in Chetu.

Sr. No.	Name	Education	Email ID
1	Himesh Tyagi	B.Tech	himeshtyagi16@gmail.com
2	Preet Kumar	B.Tech	preetpraja1234@gmail.com
3	SAMEEKSHA BHIWANIA	B.Tech	bhiwaniasameeksha@gmail.com
4	Akshat raj	B.Tech	akshatraj516@gmail.com
5	Ankit Maurya	B.Tech	am8365965@gmail.com
6	Harsh Kumar Singh	B.Tech	singhharsh240303@gmail.com
7	Harshita Gupta	B.Tech	harshitagupta1021@gmail.com
8	MURTAZA KHAN	B.Tech	mohdmurtazakhan14@gmail.com
9	NISHANT	B.Tech	ujjwalkr7070@gmail.com
10	NISHIKA	B.Tech	kumarinishika82@gmail.com
11	Parth Sarthi	B.Tech	p.sarthi1271@gmail.com
12	Piyush Singh	B.Tech	piyushsingh8604@gmail.com
13	Raj Mishra	B.Tech	mishracse23@gmail.com
14	Sakshi Priya	B.Tech	sakshipriya423@gmail.com
15	YASH GUPTA	B.Tech	yashgupta80304@gmail.com
16	SAPNA SAKSHI	MCA	sapnasakshi24@gmail.com
17	Yash Tyagi	B.Tech	yashty890@gmail.com
18	Shrish Gupta	B.Tech	SHRISHGUPTA1234@GMAIL.COM
19	Divakar Sahu	B.Tech	diwakarsahu2872@gmail.com

Value Added Programs Conducted:

 Dr. Savita Agarwal from Applied Sciences & Humanities department has conducted the Induction Program named "ADVITIYA" the cultural society of IMSEC constituted on 6/1/2025 as a Cultural Coordinator. The event was well supported by Dr. Sachi Singh, Cultural Coordinator, a complementary resource person to accomplish pre decided goals.



2. The Department of Biotechnology in collaboration with the Institution's Innovation Council (IIC), successfully completed two Value-Added Courses namely 'Hydroponics Technology: Innovations and Entrepreneurship in Soilless Cultivation' and 'Critical Thinking Practices for Sun Drying Operations Technology'. These specialized courses exclusively designed for B.Tech. Biotechnology 2nd-year students started with effect from December 10, 2024.

'Hydroponics Technology: Innovations and Entrepreneurship in Soilless Cultivation' was designed and conducted by Mr. Nikhil Kawatra, Assistant Professor, Department of Biotechnology, IMSEC. The program aimed to provide participants with in-depth knowledge of hydroponics technology, emphasizing modern innovations, sustainable agricultural practices and entrepreneurial opportunities in the emerging field of soilless cultivation.

The second value added course 'Critical Thinking Practices for Sun Drying Operations Technology' designed and conducted by Dr. Manish Pant, Assistant Professor, Department of Biotechnology. The course provided its participants an in-depth understanding of sun drying as a preservation method. The learners were also made familiar with the principles, techniques and equipment used for effective drying of various products while emphasizing safety practices, quality control, and application in both small-scale and industrial settings.

Both the value-added programs provided the learners with a beyond curriculum learning of important techniques that will assist them in their future course of action both in industrial and as well as in academic setups.

Industry Interactions/Guest Speakers Invited:

 The Department of CS on Wednesday, 15th January 2025 has organized a highly informative session entitled "Current Trends in Engineering Job Markets" for the students of B.Tech. second year (CS, CSE-AIML and CSD).

A total 164 students participated in the event. Dr. Irphan Ali delivered an in-depth talk on the evolving trends in the engineering job market emphasizing key areas like artificial intelligence, Gen AI and data analytics. He highlighted the critical importance of adaptability, continuous skill development and strong interpersonal skills in navigating the competitive job landscape.



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2. The department of MBA has organized an MoU signing and expert session on "Entrepreneurship and Young Leadership" with Mr. Tejas S from Yash Foundation, Ahmednagar, Maharashtra. The Guest speaker has taken an insightful session with MBA first year students related to "Entrepreneurship, Leadership, and other Skill Sets". The participants had cleared their doubts regarding visions in life and profession, leadership and value of time. The summarization by HoD Dr. M.P Singh has left a remarkable impact on students and fully assured about great opportunities are coming for them in terms of Entrepreneurship, Leadership, interaction, Learning and other skill Sets. He has given his best regards and MoU was signed between IMSEC and Yash Foundation. The event was successfully coordinated by student coordinators Ms. Ishvita Lohri, Ms. Sanchi Sharma, Ms. Shraddha Singh and Mr. Rachit Bansla along with Faculty Coordinator Dr. Siby James and Convener HoD MBA Dr. M.P Singh.



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3. The department of MBA has organized another "Expert Talk" from Mr. Hitesh Srivastav, owner of 'BagBugs' Company. The speaker has taken an insightful session with MBA first year students related to industry, start-ups and the process to establish their own business ideas.

Mr. Hitesh Srivastava has also guided and assured the students regarding internship opportunities in Bag Bugs as well as the job opportunities in the company. Students had asked various doubts regarding start-ups, marketing and branding of new business ideas. The summarization by HoD Dr. M.P. Singh has left a remarkable impact on students and fully assured about great opportunities are coming for students in terms of industry interaction, learnings and job placements in coming future. The MoU between IMSEC and Bag Bugs was signed. The event was successfully coordinated by Dr. Siby James.



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4. The Department of Computer Sciences & MCA, in association with C Sharp, organized an expert talk on 16th January 2025 on "Innovation and Entrepreneurship in the Tech Industry". This was conducted under the guidance of IQAC. The session brought together students, faculty, and industry professionals.

Mr. Mahesh Chand, Founder & CEO of C Sharp Inc., delivered the expert talk, highlighting AI, Cloud computing, and software Development trends shaping the entrepreneurial landscape. He shared valuable insights on overcoming startup challenges and building scalable tech solutions.

The event saw enthusiastic participation from MCA and CS students, engaging in discussions on leveraging technology in startups. Prof. (Dr.) Shailesh Tiwari commended the organizing team, while Prof. (Dr.) Kavita Saxena appreciated Mr. Chand's impactful session. The event was successfully coordinated by Mr. Sanjeev Sanyal (AP, CS), Mr. Amit (AP, CS), and Ms. Deepshikha Rai (AP, MCA), along with student coordinators.



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- **5.** To bridge the gap between academic learning and industry practices, an industrial visit was organized for MCA 1st-year students to MO Magic Pvt. Ltd., Noida, on 18th of January, 2025. This visit was accompanied by Mr. Varun Chaudhary, Assistant Professor from the Department of MCA, provided an excellent opportunity for the students to gain insights into the functioning of the IT industry. The visit commenced with a warm welcome from the MO Magic team, led by their CEO, Mr. Arun Gupta, followed by an informative session on the company's vision, mission and core areas of expertise. The students were introduced to various domains such as mobile app analytics, digital advertising strategies and Al-driven consumer insights. The experts shared real-life case studies and examples of how data-driven decisions are transforming today's businesses. The address covered underwritten points:
- Introduction to MO Magic's Expertise: A detailed overview of MO Magic's core specializations and expertise in cutting-edge technologies.
- Recruitment and Career Opportunities: Comprehensive details about the recruitment process, placement opportunities, and internship programs.
- Industry Insights: An understanding of career growth, meeting industry expectations, and the importance of staying updated with emerging tech trends.
- Interactive Q&A Session: A highly engaging session addressing career opportunities, effective placement strategies and the significance of the latest technologies in shaping future careers.
- The interactive Q&A session allowed students to clarify their queries and learn directly from industry experts. The professionals at MO Magic emphasized the importance of continuous learning to seek adaptability in the tech world.
- The visit concluded with a group photograph and words of encouragement from the faculty coordinator Mr. Varun Chaudhary, who thanked the MO Magic team for their hospitality and efforts in making the visit a memorable learning experience.

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6. Prof. (Dr.) Kavit Saxena, HOD MCA, congratulated all the participants and extended her best wishes for their future endeavors. This visit was an incredible opportunity for our students to gain real-world exposure connect with industry professionals and prepare themselves for future challenges in the tech domain.





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Faculty Publications:

 Mr. Basudeo Singh Roohani and Dr. Prabhat Kumar have published a book chapter titled "Implementation Challenges faced by AI for National Security".



- The Patent of Mr. Ram Krishna Singh from CS department has been accepted on the topic "AI-ENABLED DEVICE FOR THE DETECTION OF NEUROLOGICAL DISORDERS (Design No. 432781-001). Date of Issue: 23/12/2024.
- **3.** Dr. Shakshi Bansal, Assistant Professor from Applied Sciences and Humanities department has published a paper on title: "Deconstructing Humanism: A Post-Humanist and Eco-Critical Study of Shelly's Jackson's Hypertext Patchwork Girl" in the Journal named "Journal of the School of Language, Literature and Culture Studies, indexing in "UGC CARE Listed Journal" ISSN: 0972-9682, (Jawaharlal Nehru University, New Delhi).



4. Dr. Subhash Mishra published a paper titled "Elevated temperature tribological behavior of NiMoAl-Ag-WS2-hBN coatings deposited by cold spray". Materials Chemistry and Physics, V-333, Elsevier

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5. Mr. Anubhav Sharma has presented a research paper titled "Designing a Blockchain based model for secure and effective pharmaceutical supply chains" at 1st International Conference on Healthcare Innovation and Smart Systems (ICHISS-2024), organized by Department of CSE, Shri Shankaracharya Institute of Professional Management and Technology, Raipur.

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Certif	leate of Appres	iation
	This is to certify that	
	Anubhav Sharma	
	Vesented the Paper ID 104 titled Model for Secure and Effective P	
	Authored by	
	Anubhav Sharma, Mamta Bansal	
by the Department of Computer	Healthcare Innovation and Smart Sy Science & Engineering, Shri Shardari y Raipur, Chhattingarh, India dharing J	acharya Institute of Professional
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	grah Kumar Rathore Prof Anan eneral Co-Chair General	d Tamrakar Dr Alok Jain I Co-Chair Principal II-2024 MilPMT, Raipur

Students' Publications:

 Mr. Abhishek Malhotra has submitted a research paper on "A biosensor for the detection of viruses using one-dimensional photonic crystals". https://doi.org/10.1016/B978-0-443-21870-5.00026-1.

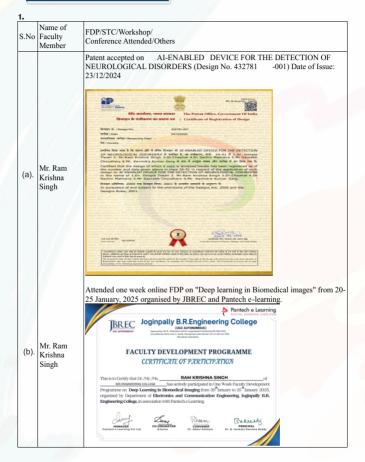


Abstract

Basically, the bioacensor is a nanotechnology-based device that is designed for the detection of several types of viruses or nanoparticles in the environment. For facing the pandemic problem COVID-10, researchers developed a new technology for the detection bioacensors are basically used for the detection of several types of virus intections in the human body. A nanosized material layer of PCs has been used for making a biosensor device. Biosensor devices hold a great impact on diagnostic strategies and sensing several types of viruses including protein biomarkers in the body. The research work relates to detection. This biomenous work with regard to basterial, virul, and other types of virus detections.

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Faculty Achievements:



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- 2. Prof. (Dr.) Priyanka Bharadwaj elevated to the grade of IEEE senior member for her significant contributions to the profession.
- 3. Mr. Atul Kumar Kushwaha had successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Engineering the Future of Energy: AI, Data Science and Efficient Power Systems for Climate Resilience at SUSHILA DEVI BANSAL COLLEGE OF ENGINEERING from 06/01/2025 to 11/01/2025.



4. Mr. Atul Kumar Kushwaha had participated in an Online Faculty Development Programme (FDP) on "Futuristic Trends in Clean Energy and Manufacturing Technologies" held from Dec. 30, 2024 – Jan. 04, 2025, organized by the Human Resource Development Cell (HRDC), Harcourt Butler Technical University, Kanpur (HBTUK).



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- 5. Dr. Ajay Kumar Sharma has been appointed as an evaluator in School innovation marathon L2 Evaluation by Innovation Cell, Ministry of Education, Government of India. He has evaluated around 120 ideas by different school students in the areas of "Sustainable Development and Environment", "Digital Transformation", "Agriculture and Rural Development", "Smart and Resilient Communities", "Health and Wellbeing" and "Quality Education".
- 6. Dr. Ajay Kumar Sharma has participated in the Webinar on "Importance of NDAs and Restrictive Covenants" on 29th January, 2025" organized by The Associated Chambers of Commerce & Industry of India (ASSOCHAM), New Delhi.
- 7. Mr. Anubhav Sharma has submitted a Patent Titled "Utilizing Blockchain for Enhanced Security and Transparency in Library Transactions".

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	Application Details	
APPLICATION NUMBER	202541003224	
APPLICATION TYPE	ORDINARY APPLICATION	
DATE OF FILING	14/01/2025	
APPLICANT NAME	1. Mr. Kiran B, M. 2. Mr. Veran B, M. 2. Mr. Veran M. 3. Dr. Grigs Shanish Method 3. Dr. Grigs Shanish Method 5. Sona Sirce Dasgupta 6. Dr. Syed Arshad Ali 7. Dr. Manzoor Aniari 9. Anubhav Sharma 9. Anubhav Sharma	
TITLE OF INVENTION	UTILIZING BLOCKCHAIN FOR ENHANCED SECURITY AND TRANSPARENCY IN LIBRARY TRANSACTIONS	
FIELD OF INVENTION	COMMUNICATION	
E-MAIL (As Per Record)	patentpublucation@gmail.com	
ADDITIONAL-EMAIL (As Per Record)		
E-MAIL (UPDATED Online)		
PRIORITY DATE		
REQUEST FOR EXAMINATION DATE	-	
PUBLICATION DATE (U/S 11A)	24/01/2025	

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- 8. Dr. Siddharth Vats has been chosen as an Evaluator for the School Innovation Contests and School Innovation Marathon, facilitated by the School Innovation Council under the Department of School Education & Literacy & the Ministry of Education's Innovation Cell at AICTE. This selection acknowledges Dr. Vats' expertise and contributions to fostering innovation and guiding young minds in developing creative and problem-solving skills.
- **9.** Dr Siddharth Vats reviewed one article for JFST, Springer Nature as a reviewer.
- **10.** Dr. Vivek Pandey participated in the 5-day Industry Sponsored Online Faculty Development Training Programme on "Sustainable Energy Transition through Phase Changing Materials (PCMs)" held from 27th to 31st January 2025 conducted by the Department of Mechanical Engineering, Murugappa Polytechnic College in Partnership with M/S Pluss Advanced Technologies, Gurugram, Haryana.



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- Dr. Anurag Aggarwal has completed one week FDP on "Ethical AI in Research organized by Mangalmay institute, Noida in duration from 23rd to 28th December 2024
- 12. Mr. Anubhav Sharma has submitted a Patent Titled "Utilizing Blockchain for Enhanced Security and Transparency in Library Transactions".



New Initiatives/Developmental Activities Undertaken:

1. Urbanity Soft-skill training for MBA 1 year.

Date	Duration	No of the Students Registered	Details of Trainer
Every working	Ongoing activity for	MBA 1 & 2 Year	Dr. M .P Singh
Saturday	each semester		



1. Mr. Himanshu Rajput (4th year CSE student), has participated in Republic Day Contest hosted by Naukri Campus.

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Pc	Certificate of	
participa	This is to certify that Himanshu Rajpo ated with exceptional ded Republic Day Conter hosted by Naukri Camp	cation in the
Date: 2025-01-24		Robie Bobies Hagraveal Bushess Hader, Naukri Camponest

 Mr. Prateek Choudhary (2nd year CSE student) and his team got first position in the 3*3 basketball tournament organised by District Basketball association of Moradabad.



3. Mr. Pratish Yadav (3rd year CSE student) has completed 300 DSA Problems on LeetCode (Online platform for coding & algorithm problems).Mr. Pratish Yadav (3rd year CSE student) has completed 300 DSA Problems on LeetCode (Online platform for coding & algorithm problems).

Total Solved 312 Problems	🏐 Beats 97.2%
Easy 119 Med.	166 Hard 27
Submissions 527	Acceptance 64.9%

4. Harshwardhan Chaudhary ME 4th year successfully completed the course on "React Advanced Development" on 27/01/2025.



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5.

Name of Student	Year	Section	Title of Course /Sports/Cultural Activities
(a). Adarsh Kumar Sharma	2 nd Yr	CS1	Participated in ISRO chandrayaan-3 Maha quizzes
(b). Shreya Tyagi	2 nd Yr	AIML	Attended IEEE CS SYP High impact zonal event at SRM college held on 8th and 9th January 2025
(c.)Ravi Ranjan	3 rd Yr	CS2	Participated in the Bizquezt # 16 : Entrepreneurship and Startups hosted by Naukri Campus.

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## Any Other Significant Activities Conducted:

- 1. Awards and Recognitions: We are proud to announce that three students from IMS Engineering College, Ghaziabad have been honored with the prestigious Baroda Achievers' Award presented by India's 2nd largest public sector bank. This award recognizes excellence in academics, sports and all-round achievements. Each recipient was awarded a prize of 31,000 for their exceptional performance.
- 2. Best in Academics: Dr. Sakshi Shukla (B.Tech.-CS) was the recipient of best academic award, presented in the presence of Mr. Kamal K. Kudia (Chief Manager) and Mrs. Pooja Choudhary (Manager) from the bank, Prof. (Dr.) Shailesh Tiwari, Director of IMS Engineering College, along with Dr. Amit Sharma, Dean of Student Welfare (DSW), Dr. Sonali Mathur, HoD CSE, Dr. Sonia Juneja, HoD CS and Dr. Ajay Kumar Sharma, HoD BT. We extend our gratitude to the bank for recognizing and rewarding the talents of our students, reinforcing their commitment to academic and holistic excellence.



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 Mr. Vaibhav Chaudhary of branch AI-ML (3rd year) has secured 2nd position in tech-medical based hackathon held on 31st of January in RML Institute of Medical Sciences, Lucknow.

HACKATHON 2025 CERTIFICATE OF PARTICIPATION to certify that Dr./Ms./Mr. VAIBHAV CHAUDHARY position in HACKATHON 20 has secured _____2nd organized by Dr. Ram Manohar Lohia Institute of Medical Sciences (Dr. RMLIMS), Lucknow, on 31st January and 1st February 2025. We sincerely appreciate their dedication, enthusiasm, and invaluable contribution to the event, which played a vital role in its success.

**4. More Significant Activities Conducted:** The department of Computer Science and MCA collaboratively hosted a Startup Event featuring Mr. Mahesh Chand, founder of C# Corner for the students of Computer Science and MCA. Mr. Chand shared insights on the significance of startups, highlighting their role in innovation, economic growth and job creation.

He discussed emerging opportunities in technologies like AI while offering practical advice on building and scaling startups. The session included an interactive Q&A, inspiring student to explore entrepreneurship as a career path.

The event was a valuable platform for students to gain knowledge and motivation to innovate and pursue their entrepreneurial ambitions.



5. Hindi Diwas Celebration in collaboration with IIC: The department of MBA collaborating with IIC department has celebrated 'Hindi Diwas' on 10th of January 2025. In the event department has initiated multiple programs like Essay writing, Debate and Poetry competitions. The MBA first year students have participated in the event with full enthusiasm.

The student coordinators were Ms. Sheetal, Ms. Anjali, Ms. Shradhha Singh, Mr. Vishu Tyagi and Ms. Muskan Yadav along with event faculty coordinator Dr. Kavita Singh and Dr. Anurag Aggarwal.

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