



Maharaja Surajmal
Institute of Technology

2025

ELEKTRONEWS



Dept of Electronics

MSIT

C4, janakpuri new delhi 110059

FROM HOD'S DESK



Prof. Neeru Rathee

B.Tech, M.Tech, Ph.D (ECE) experience :
14+ Years

It is a pleasure to share this edition of our departmental newsletter with you. Each page reflects the dedication, curiosity, teamwork of our students and faculty, and the many small and big efforts from our team are shaping our department day by day.

At the Department of Electronics and Communication Engineering, we believe that learning goes beyond classrooms and laboratories. We strive to create an environment where ideas are encouraged, innovation is nurtured, and every student feels supported in discovering their own strengths and aspirations.

I would like to sincerely thank our faculty and staff for their continued commitment, and our students for their energy and enthusiasm that bring life to all our academic and co-curricular activities. Together, we move forward with a shared purpose of growing, improving, and making a meaningful impact.

I hope you enjoy reading this newsletter and feel proud of the journey we are building as a department.



ECE DEPARTMENT

Institute Vision

To become one of the most admired centers of academic excellence in the field of Engineering & Technology for all-round professional development of students to enable them to meet the growing technological needs of the country.

Department Vision

ECE department strives to become a centre of quality education to meet the global technological needs for the benefit of mankind.



Institute Mission

Developing new paradigm in imparting education in the fields of Engineering and Technology and to imbibe national values leading to student's empowerment, with a view to prepare them to meet the national and global challenges.

Department Mission

M1: To impart high quality education in the field of Electronics & Communication

Engineering to meet the national and global challenges.

M2: To provide adequate facilities, infrastructure, and environment to the students as well as

faculty members thereby creating an ambience conducive for teaching-learning process.

M3: To empower the students by enhancing their soft skills and ethics to create social

awareness and imbibe national values so as to become good citizen.

M4: Creating a thrust for life-long learning through interaction with outside world on

contemporary issues and technological trends..

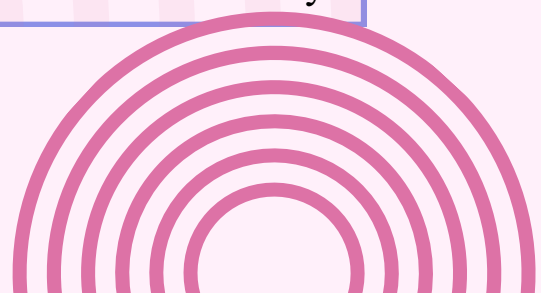


PRACTICES FOLLOWED IN THE DEPARTMENT

The Department of Electronics and Communication Engineering is committed to creating a vibrant learning environment that encourages curiosity, innovation, and professional growth. Our best practices focus on blending strong academic foundations with real-world exposure and continuous improvement.

- **Outcome-Based Learning:** Courses are designed with clear learning outcomes and regular assessments to ensure meaningful academic progress.
- **Industry Exposure:** Students engage with industry experts through guest lectures, internships, workshops, and industrial visits.
- **Hands-on Learning:** Project-based activities and practical lab sessions help students apply theory to real-life engineering problems.
- **Mentorship System:** Faculty mentors guide students academically and professionally, supporting their overall development.
- **Emerging Technologies:** The curriculum integrates AI, IoT, VLSI, and modern communication systems to keep students future-ready.
- **Innovation & Entrepreneurship:** Students are encouraged to participate in hackathons, startup initiatives, and innovation programs.
- **Feedback & Improvement:** Regular feedback from students and stakeholders is used to refine teaching and learning practices.
- **Ethics & Professional Skills:** Emphasis is placed on teamwork, communication, and ethical engineering practices.

We strive to build not just skilled engineers, but confident, responsible, and creative professionals ready to contribute to society.





DEPARTMENT MILESTONE: ECE SECURES PRESTIGIOUS NBA ACCREDITATION (2025–2028)

The Department of Electronics and Communication Engineering (ECE) at MSIT is proud to announce a monumental achievement: the official grant of NBA Accreditation for the 2025–2028 cycle.

This prestigious recognition is a testament to our steadfast commitment to excellence in engineering education, continuous quality improvement, and the relentless pursuit of the highest academic standards.

A Collective Triumph

This significant milestone is the direct result of the dedicated, round-the-clock efforts of the entire ECE Department. A special note of appreciation goes out to our NBA Coordinator, Prof. Neeru Rathee, whose meticulous guidance and leadership steered the department successfully through the rigorous evaluation process.

Expressing Our Gratitude

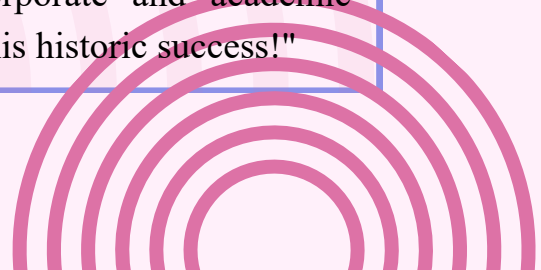
An achievement of this scale is built on strong institutional support. The ECE Department extends its deepest, most sincere gratitude to the pillars of our institute who provided unwavering support and valuable guidance throughout this journey: The Management of SMES for their visionary leadership.

Prof. Archana Balyan, Director, MSIT, for her constant encouragement and administrative backing.

Prof. H. S. Rawat, Director (Placements), for strategic insights.

The Institutional NBA Team & Heads of Institutional Committees for their collaborative efforts, seamless coordination, and shared dedication.

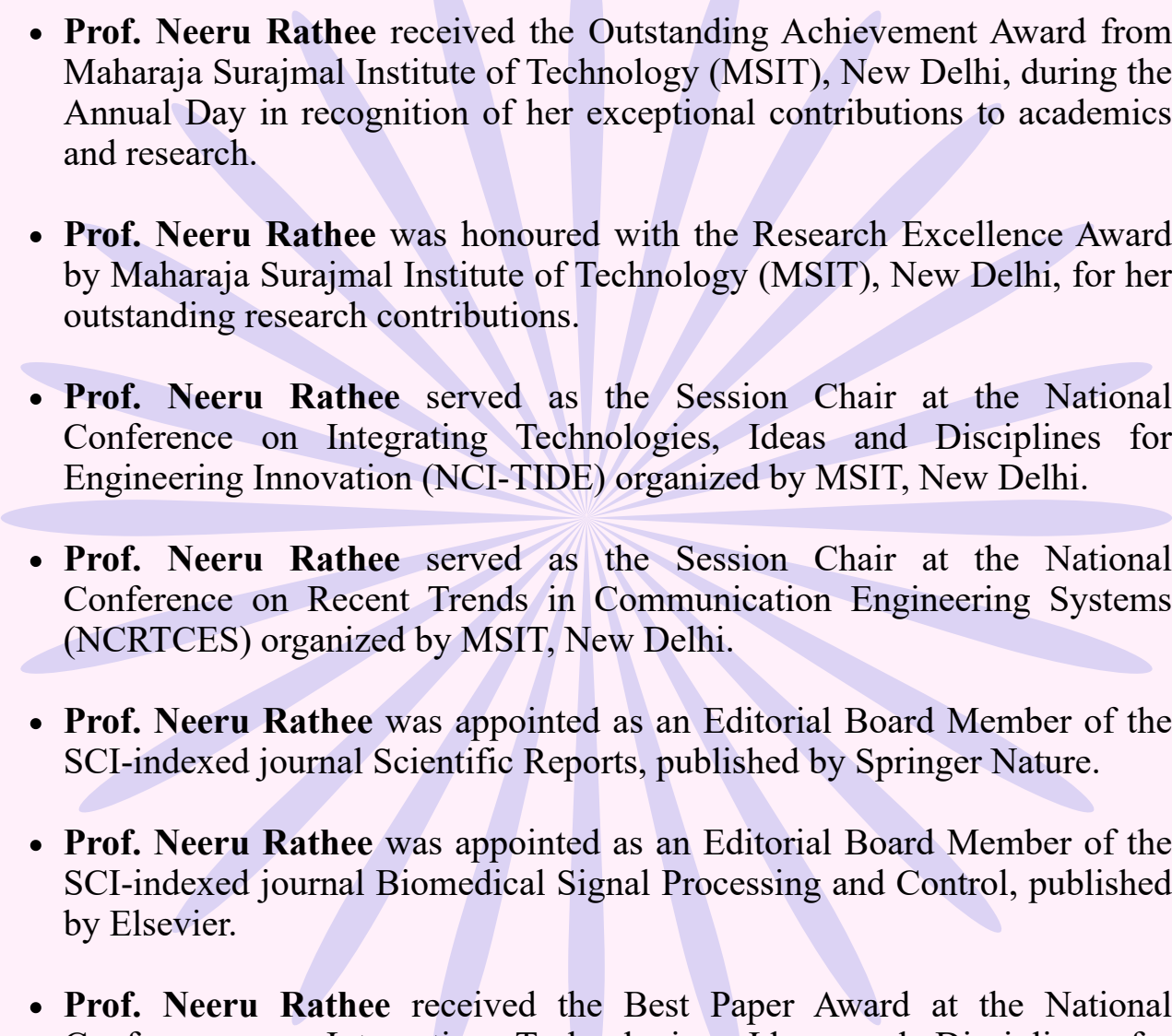
"This accreditation reinforces our mission to provide world-class technical education and empowers our students with global corporate and academic opportunities. Thank you to everyone who contributed to this historic success!"

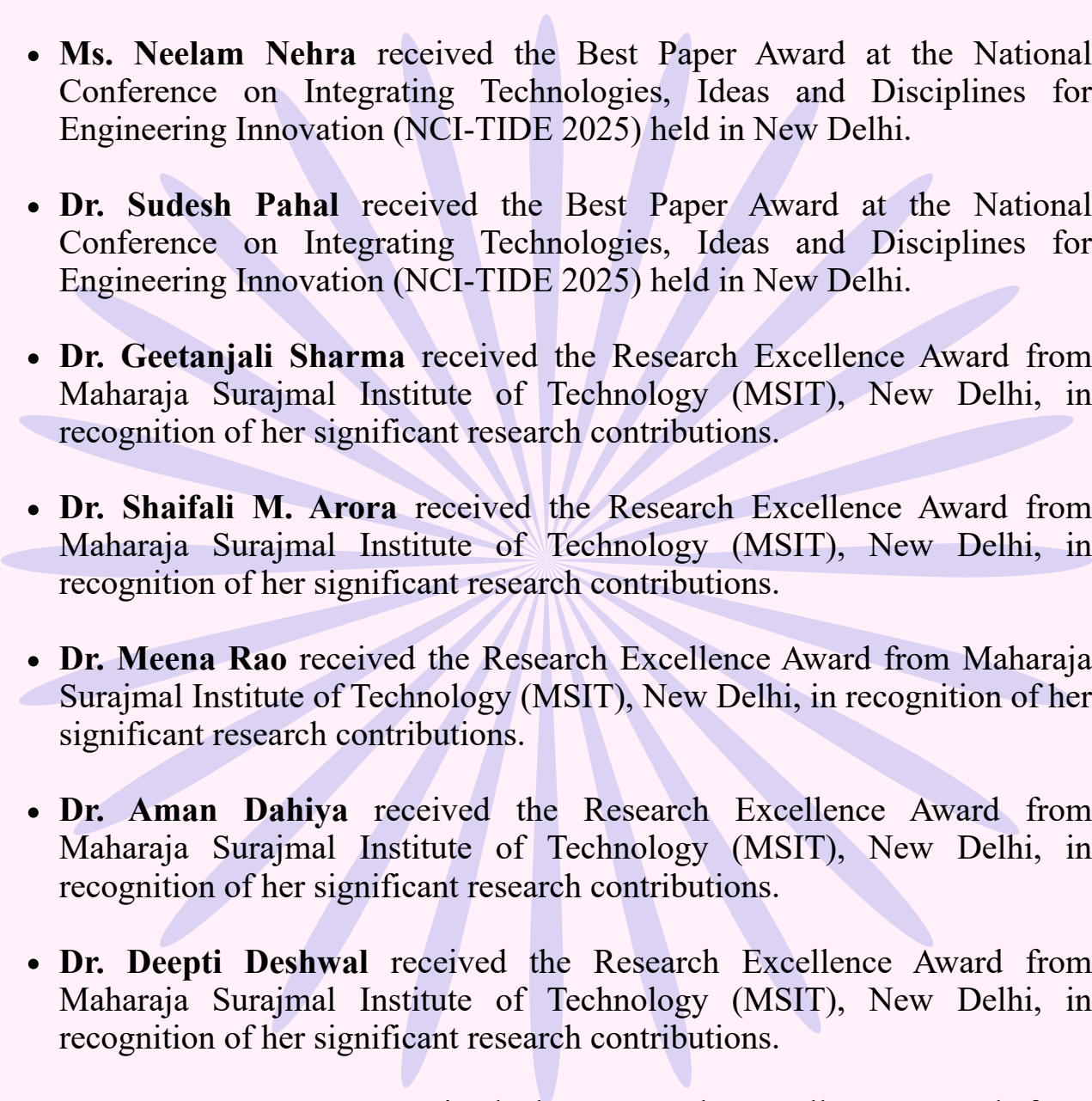




FACULTY AWARDS & ACHIEVEMENTS

The faculty members of the department have made remarkable contributions in the fields of research, academics, publication, mentorship, and conference leadership at both national and international levels. Their accomplishments continue to enhance the academic and research excellence of the institution.

- **Prof. Neeru Rathee** received the Outstanding Achievement Award from Maharaja Surajmal Institute of Technology (MSIT), New Delhi, during the Annual Day in recognition of her exceptional contributions to academics and research.
 - **Prof. Neeru Rathee** was honoured with the Research Excellence Award by Maharaja Surajmal Institute of Technology (MSIT), New Delhi, for her outstanding research contributions.
 - **Prof. Neeru Rathee** served as the Session Chair at the National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE) organized by MSIT, New Delhi.
 - **Prof. Neeru Rathee** served as the Session Chair at the National Conference on Recent Trends in Communication Engineering Systems (NCRTCES) organized by MSIT, New Delhi.
 - **Prof. Neeru Rathee** was appointed as an Editorial Board Member of the SCI-indexed journal Scientific Reports, published by Springer Nature.
 - **Prof. Neeru Rathee** was appointed as an Editorial Board Member of the SCI-indexed journal Biomedical Signal Processing and Control, published by Elsevier.
 - **Prof. Neeru Rathee** received the Best Paper Award at the National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025) held in New Delhi.
 - **Dr. Shaifali M. Arora** received the Best Paper Award at the National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025) held in New Delhi.
 - **Dr. Meena Rao** received the Best Paper Award at the National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025) held in New Delhi.
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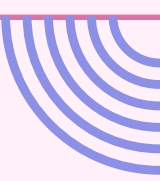
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- **Dr. Aman Dahiya** received the Best Paper Award at the National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025) held in New Delhi.
 - **Dr. Deepti Deshwal** received the Best Paper Award at the National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025) held in New Delhi.
 - **Ms. Neelam Nehra** received the Best Paper Award at the National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025) held in New Delhi.
 - **Dr. Sudesh Pahal** received the Best Paper Award at the National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025) held in New Delhi.
 - **Dr. Geetanjali Sharma** received the Research Excellence Award from Maharaja Surajmal Institute of Technology (MSIT), New Delhi, in recognition of her significant research contributions.
 - **Dr. Shaifali M. Arora** received the Research Excellence Award from Maharaja Surajmal Institute of Technology (MSIT), New Delhi, in recognition of her significant research contributions.
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 - **Dr. Deepti Deshwal** received the Research Excellence Award from Maharaja Surajmal Institute of Technology (MSIT), New Delhi, in recognition of her significant research contributions.
 - **Ms. Neelam Nehra** received the Research Excellence Award from Maharaja Surajmal Institute of Technology (MSIT), New Delhi, in recognition of her significant research contributions.
 - **Dr. Sudesh Pahal** received the Research Excellence Award from Maharaja Surajmal Institute of Technology (MSIT), New Delhi, in recognition of her significant research contributions.

- **Dr. Sudesh Pahal** was appointed as an Editorial Board Member of the SCI-indexed journal Scientific Reports, published by Springer Nature.
- **Dr. Sudesh Pahal** was recognized as a Wipro Certified Mentor for Project-Based Learning (PBL) in Data Science with Python after successfully clearing the TalentNext Certification Assessment with an impressive score of 87.5%.
- **Dr. Upma Singh** received the Research Excellence Award from Maharaja Surajmal Institute of Technology (MSIT), New Delhi, in recognition of her significant research contributions.
- **Dr. Neelam Barak** received the Research Excellence Award from Maharaja Surajmal Institute of Technology (MSIT), New Delhi, in recognition of her significant research contributions.
- **Dr. Neetu** received the Research Excellence Award from Maharaja Surajmal Institute of Technology (MSIT), New Delhi, in recognition of her significant research contributions.
- **Ms. Jasmine Chhikara** received the Best Paper Presentation Award in 3rd International Conference on Artificial Intelligence and Applications held on 26th-27th March, 2025 in MSIT.
- **Ms. Jasmine Chhikara** received the Research Excellence award at Indira Gandhi Delhi Technical University for Women on 1st May, 2025.
- **Ms. Jasmine Chhikara** received the Best Paper Presentation Award in NCI-TIDE held on 18th-19th November, 2025 in MSIT.
- **Ms. Jasmine Chhikara** received the Research Excellence award at MSIT on 14th February 2026 for the year 2025.
- **Ms. Sonia Malik** received the Best Paper Presentation Award in NCI-TIDE held on 18th-19th November, 2025 in MSIT.

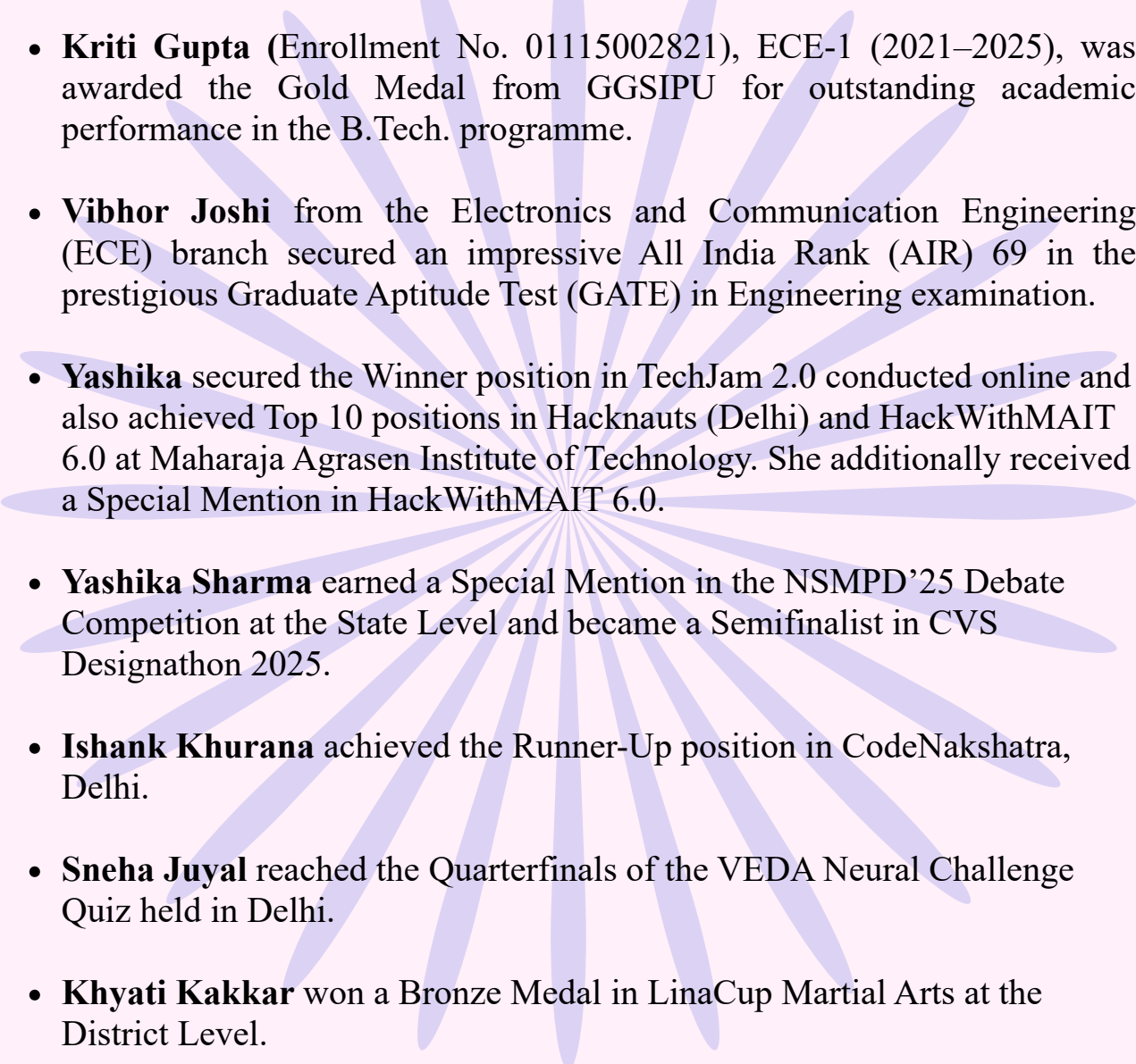
These achievements highlight the department's strong commitment to academic excellence, impactful research, global collaboration, and professional development.



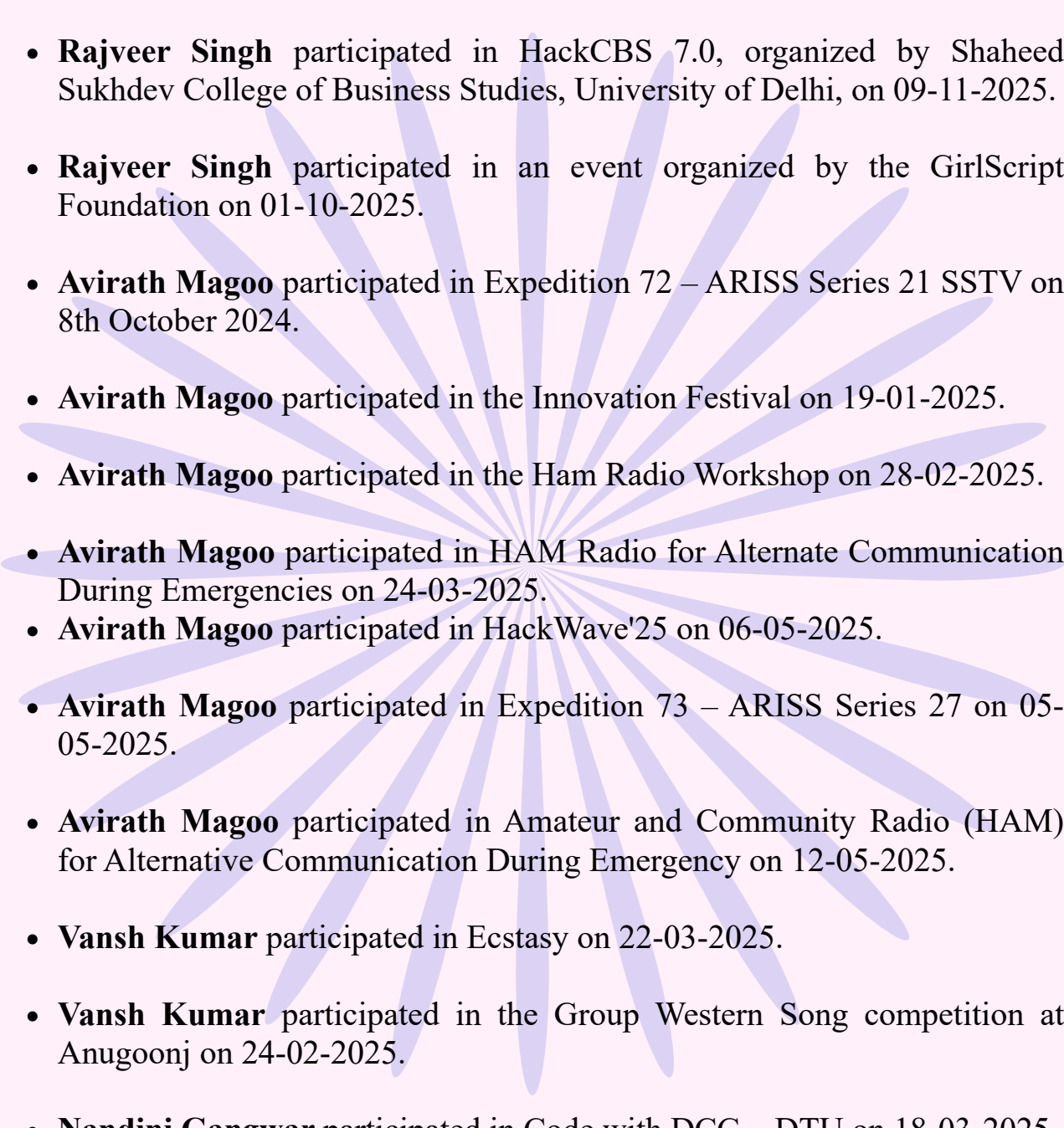
STUDENT ACHIEVEMENTS & RECOGNITIONS



Our students have continued to excel across technical, academic, cultural, and sports platforms at institutional, state, and national levels. Their remarkable achievements reflect dedication, creativity, teamwork, and excellence.

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- **Kriti Gupta** (Enrollment No. 01115002821), ECE-1 (2021–2025), was awarded the Gold Medal from GGSIPU for outstanding academic performance in the B.Tech. programme.
 - **Vibhor Joshi** from the Electronics and Communication Engineering (ECE) branch secured an impressive All India Rank (AIR) 69 in the prestigious Graduate Aptitude Test (GATE) in Engineering examination.
 - **Yashika** secured the Winner position in TechJam 2.0 conducted online and also achieved Top 10 positions in Hacknauts (Delhi) and HackWithMAIT 6.0 at Maharaja Agrasen Institute of Technology. She additionally received a Special Mention in HackWithMAIT 6.0.
 - **Yashika Sharma** earned a Special Mention in the NSMPD'25 Debate Competition at the State Level and became a Semifinalist in CVS Designathon 2025.
 - **Ishank Khurana** achieved the Runner-Up position in CodeNakshatra, Delhi.
 - **Sneha Juyal** reached the Quarterfinals of the VEDA Neural Challenge Quiz held in Delhi.
 - **Khyati Kakkar** won a Bronze Medal in LinaCup Martial Arts at the District Level.
 - **Ashish Sharma** was recognized as a Finalist in Creatorthon 3 organized at Aryabhatta College and also secured a Bronze Medal in the Viral Sabha Reel Making Competition at JIMS College.
 - **Abhimanyu** brought laurels by winning 3rd Prize in CodeClash 2.0, 3rd Position in Hackamania, and 2nd Position in Code for Bharat at the National Level.

- **Yashaswini Narula** secured 2nd Position in the Design Competition – GTBIT IEEE Day at the State Level.
- **Harshita Rawat** achieved 1st Place in Shot Put during the Annual Sports Meet at Maharaja Surajmal Institute of Technology.
- **Team Astra** earned 3rd Position in Brainwave 2.0 organized at Delhi Technological University.
- **Manish** secured 1st Position in Code Quest 57.0 organized by LetsUpgrade.
- **Pulkit Kapur** emerged as a Winner in the prestigious Smart India Hackathon hosted at Galgotias University.
- **Team Hyper Grey** achieved 2nd Position in the Google Lakecity Hackathon 2026 held at GDC Cloud.
- **Akanksha Verma** represented the institution in Korfball Nationals held from 25–29 March 2026 and earned recognition through active participation at the national level.
- **Pulkit Kapur** received a Mentorship Certificate at the DarkCode Rising Hackathon organized at TechDome. He also earned Participation Certificates in the MLH Hackathon – Brainwave hosted at Delhi Technological University, the Kharagpur Data Science Hackathon, and Hack4Delhi at the National Level.
- **Prashant Sharma** and Shaurya Walia received Participation Certificates in India Innovation at the National Level.
- Students including **Pulkit Kapur, Navya Bora (Sem IV), Sanchit Sharma, Karan Kumar, Pranjal Sharma, Saumya Maheshwari, Zarine Hayat, and Kartikey Bhardwaj** actively participated in the National Conference (NCI-TIDE 2025) and received Participation Certificates for their involvement at the National Level.
- Team Harsada (Unity Street) participated in Fandango organized at BVICAM and received a Participation Certificate at the National Level.
- **Sarbani Kundu**, ECE 2nd Year, got the best paper award for paper Machine learning to detect Anxiety disorder from error related negativity EEG Signals in NCITIDE-2025

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- **Mr. Sanjeet Singh, Mr. Kushwaha, Mr. Satvik Singh, and Mr. Shikhar Bahuguna** presented their paper titled "IoT & AI-Powered Real-Time Plant Health Monitoring & Disease Detection System" at the National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), organized by the Department of Electronics and Communication Engineering, Maharaja Surajmal Institute of Technology, GGSIPU, New Delhi, on 18–19 November 2025.
 - **Rajveer Singh** participated in HackCBS 7.0, organized by Shaheed Sukhdev College of Business Studies, University of Delhi, on 09-11-2025.
 - **Rajveer Singh** participated in an event organized by the GirlScript Foundation on 01-10-2025.
 - **Avirath Magoo** participated in Expedition 72 – ARISS Series 21 SSTV on 8th October 2024.
 - **Avirath Magoo** participated in the Innovation Festival on 19-01-2025.
 - **Avirath Magoo** participated in the Ham Radio Workshop on 28-02-2025.
 - **Avirath Magoo** participated in HAM Radio for Alternate Communication During Emergencies on 24-03-2025.
 - **Avirath Magoo** participated in HackWave'25 on 06-05-2025.
 - **Avirath Magoo** participated in Expedition 73 – ARISS Series 27 on 05-05-2025.
 - **Avirath Magoo** participated in Amateur and Community Radio (HAM) for Alternative Communication During Emergency on 12-05-2025.
 - **Vansh Kumar** participated in Ecstasy on 22-03-2025.
 - **Vansh Kumar** participated in the Group Western Song competition at Anugoonj on 24-02-2025.
 - **Nandini Gangwar** participated in Code with DCG – DTU on 18-03-2025.
 - **Rajveer Singh** participated in the HackWie 2.0 Hackathon (MSIT Tech Fest) on 29-01-2025.
 - **Rajveer Singh** participated as a member of the E-Cell MSIT Team "Smooth Operators" on 20-03-2025.

- **Rajveer Singh** participated in the AI Product Pitching Competition on 8th March 2025.
- **Rajveer Singh** participated in the Code Kshetra 2.0 Hackathon on 21-02-2025.
- **Rajveer Singh** participated in the MSC Hack-It-Up 2025 Hackathon on 18-02-2025.

PLACEMENT RECORD

Mohd Sameer Hussain
Company Name: Flint (Huawei)
Package: 36 LPA

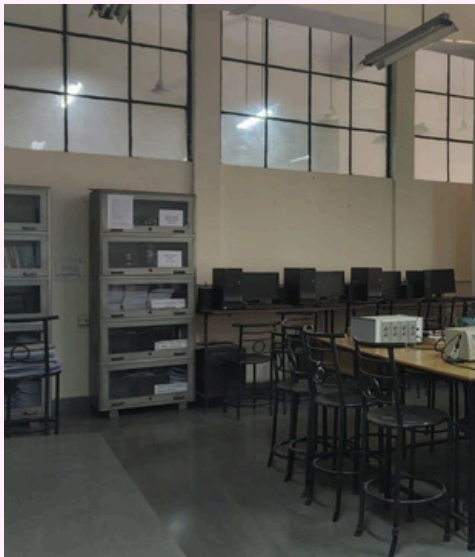


Major companies placement record			
BATCH-2025 ECE			
S.No.	Company Name	CTC(LPA)	Total no. of
	Flint(Huawei)	36	1
1	ION	17.5	2
2	ZS	13.65	5
3	RTDS	10.25	1
4	NBCS	6	2
5	L&T	6	1
6	Edoofa	12	1
7	INDIGO	4.5	1

Many students from ECE got placement in the reputed companies like Huawei, ZS, ION, RTDS, and Infosys etc. Several students have multiple offers from various companies as well.



TECHNOLOGICAL ADVANCEMENTS IN LAB



The ECE department has significantly upgraded its laboratory facilities to support advanced teaching and research as per the GGSIPU curriculum. Out of a total of 22 laboratories, 13 new lab setups such as Transmission Lines waveguide and Antenna, Antenna Design & Radiating System, Machine Learning, Data Analytics Lab, Artificial Intelligence Lab, SSMDA, Machine Learning, Pattern Recognition, Unsupervised Learning, Nature Inspired Biological Optimization Techniques, Supervised Learning and Micro Electronics have been established with modern infrastructure. Multiple labs were updated with open-source and licensed software, including Python, R, MATLAB alternatives, SCI Lab & R Software, SWI-Prolog, CST Microwave Studio (Licensed 20 users) and other specialized design and analysis tools. Lab manuals were newly drafted for all courses to align with curriculum requirements. Additionally, 20 new i7 processor computers were purchased, substantially enhancing computational capability. Proper ambience, regular maintenance, and well-equipped laboratory environments are ensured to provide an effective learning and research ecosystem.



FACULTY JOURNAL PUBLICATIONS



- Yadav, Deepshikha, **Archana Balyan**, Suman Mann, and Aayush Ranga. "ENHANCING DISEASE DETECTION PREDICTION ACCURACY OF GRAPE LEAVES USING VGG16 MODEL AND INCEPTION V3 MODEL." Proceedings on Engineering 7, no. 1 (2025): 365-370.
- Yadav, Deepshikha, Aayush Kumar, Rakhi Kamra, Koyel Datta Gupta, **Archana Balyan**, and **Puneet Azad**. "IMPACT OF ENERGY EFFICIENT GREEN DATA CENTERS: STRUCTURES AND METHODOLOGIES SYSTEMATIC REVIEW." Proceedings on Engineering 7, no. 3 (2025): 1749-1758.
- **Chhikara, Jasmine**, Nidhi Goel, and **Neeru Rathee**. "Integrating expert guidance with gradual moment approximation (GMAp)-enhanced transfer learning for improved pancreatic cancer classification." Neural Computing and Applications 37, no. 3 (2025): 1357-1373.
- **Chhikara, Jasmine**, Nidhi Goel, and **Neeru Rathee**. "Quantum Convolutional Neural Network For Pancreatic Cancer Image Classification" proceedings on Engineering Sciences, Vol. 07, No. 3 (2025) 1965-1972.
- **Chhikara, Jasmine**, Nidhi Goel, and **Neeru Rathee**. "Combating false negatives in pancreatic cancer: A deep learning approach for aiding fine needle aspiration via accurate subregion identification." Engineering Applications of Artificial Intelligence 157 (2025): 111347.
- Rani, Mamta, Jyoti Yadav, **Neeru Rathee**, and Vijay Mohan. "OT-CGSF: Optimal Transport and CNN-Guided Score-Based Fusion for Multimodal Medical Image Integration." Iranian Journal of Science and Technology, Transactions of Electrical Engineering 49, no. 2 (2025): 571-588.
- Nandal, Priyanka, **Sudesh Pahal**, Sunesh Malik, Neetu Sehrawat, and Mamta. "Enhancing real time object detection for autonomous driving using YOLO-NAS algorithm with CLEO optimizer." International Journal of Information Technology 17, no. 3 (2025): 1321-1328.
- Nandal, Priyanka, **Sudesh Pahal**, Tripti Sharma, and Omesh Omesh. "Real-time driver drowsiness detection using YOLOv8 with whale optimization algorithm." SAE International Journal of Transportation Safety 13, no. 09-13-01-0001 (2025).

- Nandal, Priyanka, **Sudesh Pahal**, and Govind Murari Upadhyay. "Image denoising using quantum deep convolutional generative adversarial network for medical images." International Journal of Computational Intelligence Systems 18, no. 1 (2025): 190.
- Nandal, P., **S. Pahal**, S. Gupta, A. Khanna, and T. Ali. "Lightweight ESRGAN-Based Underwater Image Quality Enhancement." Journal of Instrumentation 20, no. 08 (2025): P08009.
- Malik, Sunesh, Priyanka Nandal, **Sudesh Pahal**, Jolly Parikh, and Rachna Jain. "Investigating U-Net variants for satellite image object detection: Towards an ensemble method and performance evaluation." Evolving Systems 16, no. 3 (2025): 105.
- Siwach, Meena, Priyanka Nandal, **Sudesh Pahal**, and A. RANA. "Coindonate: A blockchain-based platform for transparent online donation system." JOURNAL OF INFORMATION AND OPTIMIZATION SCIENCES 46, no. 1 (2025): 157-166.
- Dhand, Geetika, **Meena Rao**, Parul Chaudhary, and Kavita Sheoran. "A secure routing and malicious node detection in mobile Ad hoc network using trust value evaluation with improved XGBoost mechanism." Journal of Network and Computer Applications 235 (2025): 104093.
- **Arora, Shaifali M.**, Poonam Kadian, and Anshul Pareek. "Iot Based Water Quality Monitoring System For Aquaculture." Proceedings on Engineering Sciences 7, no. 1 (2025): 371-380.
- Anand Kumar Dohare, Uttam U. Deshpande , **Aman Dahiya**, Kanchan Dabre, Dr. Kriti Srivastava , Dr. Sreedhar Bhukya, Prem Kumar Sholapurapu, "A Hybrid Machine Learning Framework for Financial Fraud Detection in Corporate Management Systems," Eksplorium p-ISSN 0854-1418 Volume 46 No. 2, June 2025: 139–154 e-ISSN 2503-426X 139
- **Nehra, Neelam, Geetanjali Sharma**, Parveen Kumar, **Dinesh Sheoran**, and Amita Yadav. "Review of speaker recognition: Concepts, challenges, architectures, and future directions." JOURNAL OF INFORMATION AND OPTIMIZATION SCIENCES 46, no. 1 (2025): 121-132.
- Goyal, Shyam Bihari, **Deepti Deshwal**, and **Pardeep Sangwan**. "AI innovations in neuroimaging: transforming brain analysis." Frontiers in Medicine 12 (2025): 1755373.
- **Malik, Sonia, Deepti Deshwal**, and Neelu Trivedi. "AI-Driven Speaker Identification: Enabling Human-Centric and Trustworthy Intelligent Systems." Human-Centric Intelligent Systems (2025): 1-22.

- **Tomar, Himani, Deepti Deshwal**, and Neelu Trivedi. "Multilingual audio classification: a scalable approach using Wav2Vec2 and qdrant." *International Journal of Information Technology* (2025): 1-12.
- Venkatesh, R., R. Venkatasubramanian, Pradeep Kumar Singh, Ishwarya Mayiladuthurai Vaidyanathan, **Deepti Deshwal**, S. D. V. V. S. Bhimeshwar Reddy, Manzoore Elahi M. Soudagar, Sami Al Obaid, and Sulaiman Ali Alharbi. "Thermal characteristics and dryer performance analysis of double pass solar collector powered by copper and iron oxide." *Journal of Thermal Science and Engineering Applications* 17, no. 2 (2025): 021010.
- **Singh, Upma**, Shekhar Singh, Saket Gupta, Majed A. Alotaibi, and Hasmat Malik. "Forecasting rooftop photovoltaic solar power using machine learning techniques." *Energy Reports* 13 (2025): 3616–3630.
- **Lata, Suman, Pardeep Sangwan, Dinesh Sheoran**, and Prachi Choudhary. "Improved long-range dependency capture in speech sentiment recognition: A comparative study of MFCC-BiLSTM and MFCC-LSTM." *Proceedings on Engineering Sciences* 7, no. 3 (2025): 1955–1964. <https://doi.org/10.24874/PES07.03A.021>.
- Malik, Priya, Neelam Barak, Nishant Chhiller, Gaurav Dwivedi, Shivam Sharma, Arun Anand, and Gyanendra Sheoran. "Simplified quantification of fluid flow using optimized laser speckle contrast imaging and statistical regression modelling." *Measurement* (2025): 119338.

Papers Presented In National / International Conferences

- Deepshikha Yadav, Koyel Datta Gupta, Ishan Chaturvedi, and **Archana Balyan** "Role of metrology for quality assurance of Internet of Things" in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT.
- **N. rathee** "Exploring AI Technologies, Applications and Challenges" in 3rd International Conference on Artificial Intelligence and Applications (2025), MSIT.

- **J. Chikkara**, N. Goel, and **N. Rathee** “Quantum Convolutional Neural Network for Pancreatic Cancer Image Classification” in 3rd International Conference on Artificial Intelligence and Applications (2025), MSIT.
- **Puneet Azad** “Smart Road: Real time road condition monitoring system using sensors” in 3rd International Conference on Artificial Intelligence and Applications (2025), MSIT.
- **Puneet Azad** “An Offline-Capable Women Safety Device using Integrated GPS and GSM Technology” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT.
- **Puneet Azad** “An IoT-Enabled Multi-Sensor Framework for Real-Time Water Quality Monitoring and Management” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT.
- **Sudesh Pahal** “Enhancing Lung Cancer Diagnosis Through CNN-Based Analysis of Clinical and Histopathological Data” in International Conference on Innovative Computing and Communications, (LNNS,volume 1432) (2025),MSIT.
- **Sudesh Pahal** “Developing a Machine Learning Framework for Optimizing Electric Vehicle Charging Infrastructure Deployment in India” in International Conference on Innovative Computing and Communications, (LNNS,volume 1439) (2025),MSIT.
- **Sudesh Pahal** “Deep LocAWS: A Deep Multilayer Perceptron Neural Network Collaborative Filtering for Location-Aware Web Service Recommendation” in International Conference on Innovative Computing and Communications, (LNNS,volume 1439) (2025),MSIT.
- **Meena Rao**, Parul Chaudhary and Parveen Kumar “Analyzing Air Quality Index of Urban Cities & Comparing ML Models for AQI Predictions” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT.
- **Arora, Shaifali M.** “ Hybrid RFID and Face Recognition-Based Smart Attendance System using MQTT for Real-Time Analytics” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT.
- **Arora, Shaifali M.** “SafeTrack: An IoT-Enabled Multi Sensor Measurement System AI-Powered Emergency Detection and Smart Alerts” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT.

- **Arora, Shaifali M.** “Multi-Culture Sign Language Recognition” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT.
- Shubh Bhaskar, Mohammad Imaad and **Dr. Aman Dahiya** , “Design, Simulation, and Parametric Analysis of a Rectangular Microstrip Patch Antenna Using Various Substrates for S-Band Wireless Applications” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT.
- Arihant Jain, Arnav Garg, Aanya Dhoundiyal, Anushka Sharma, Dishaa Singh, **Aman Kumari Dahiya** , “DESIGN AND ANALYSIS OF A COMPACT MICROSTRIP PATCH ANTENNA” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT.
- Dinesh Sheoran, Harshita Khatkar, Kunal Singh, Pranav Gulati, **Neelam Nehra** “Artificial Intelligence -Driven drug discovery and molecular design in transforming pharmaceutical development” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT
- Tanvi Rao, **Neelam Nehra, Geetanjali Sharma** “The Parkinson's disease detection using machine learning technique” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT
- **Dinesh Sheoran**, Harshita Khatkar, Kunal Singh, Pranav Gulati, **Neelam Nehra** “Artificial Intelligence -Driven drug discovery and molecular design in transforming pharmaceutical development” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT
- Kartikey, karan, **Vishakha, Nishtha** “A Comprehensive Review of Impedance Matching Techniques in RF and Microwave Systems: From Classical Networks to Loss-Aware Designs” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT
- Yashika, Vrinda Dixit, **Nishtha** “Performance analysis if a cotton-Substrate patch antenna for bluetooth applications under bending and on-body conditions” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT
- V. Tomar, S. Dixit, **P. Sangwan** “ Advanced Deep Learning Approaches for Malayalam-English Code-Mixed Language Identification Addressing Class Imbalance” in IJCACI 2025, MSIT.
- Sanchit Sharma, **Vishkaha Tomar** “Robot Path Planning Algorithms: A Comparative Analysis of Dynamic Window Algorithm and Elastic Band Planner” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT
- Sanyam Makkar, Preeti Sehrawat, **Sakshi Rajput, Himani Tomar** “Stock price prediction using deep learning” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT

- Ayush Prasad, **Sudesh Pahal**, Nidhi Gupta and Neha “Enhancing Lung Cancer Diagnosis Through CNN-based Analysis of clinical and Histopathological Data” in National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025), MSIT
- **Neetu**, Kumar, Sachin Kanaujia, Binod Kumar, Palaniswamy, Sandeep Kumar Varshney, and Gaurav. “Investigation of a rectangular dielectric resonator antenna working in higher order modes using perturbation theory.” International Journal of Antennas and Propagation (2025): Article ID 5582517, 10 pages. <https://doi.org/10.1155/ijap/5582517>.
- **Chhikara, M. J.**, Nidhi Goel, and **Neeru Rathee**. “Combating false negatives in pancreatic cancer: A deep learning approach for aiding fine needle aspiration via accurate subregion identification.” Engineering Applications of Artificial Intelligence 157 (2025): 111347.

Faculty Participation in MOOC Courses

- **Dr. Meena Rao** attended 8 weeks NPTEL course on “Wireless Ad Hoc and Sensor Networks” from Jan 2025 to March 2025.
- **Dr. Sakshi Rajput** attended 8 weeks NPTEL course on “Wireless Ad Hoc and Sensor Networks” from Jan 2025 to March 2025.
- **Ms. Himani** attended 8 weeks NPTEL course on “Wireless Ad Hoc and Sensor Networks” from Jan 2025 to March 2025.
- **Dr. Sudesh Pahal** attended 12 weeks NPTEL course on “Data Analytics with Python” from Jan 2025 to March 2025.
- **Dr. Sudesh Pahal** attended 12 weeks NPTEL course on “Data Science with python” from 27.10.2025 to 14.11.2025.
- **Dr. Neetu** attended a 12-week NPTEL-SWAYAM course on "Network Analysis" from 20.01.2025 to 11.04.2025.
- **Dr. Neetu** attended an 8-week NPTEL-SWAYAM course on "Accreditation and Outcome Based Learning" from 18.08.2025 to 10.10.2025.

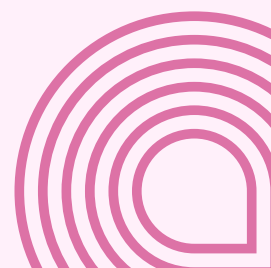
Faculty Participation in Faculty Development Programmes

- **Dr. Nishtha** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr. Sakshi Rajput** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025

- **Dr. Geetanjali Sharma** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Ms Neelam Nehra** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr Deepti Deshwal** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Mr Deepak Goyal** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr. Dinesh Sheoran** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr Aman Kumari Dahiya** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr Richa Gupta** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr Shaifali Madan Arora** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr Meena Rao** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr Sudesh Pahal** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Prof. (Dr.) Puneet Azad** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Prof. (Dr.) Neeru Rathee** attended FDP on” Green Technologies for Environment Sustainability” organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Prof. (Dr.) Archana Balyan** attended FDP on” Quantum Computing with Artificial Intelligence Convergence and Applications” organized by AICTE Training and Learning (ATAL) Academy from 25/08/2025 to 30/08/2025.
- **Ms.Prinkle** attended FDP on “Research Methodologies for Interdisciplinary Research” organized by NITTTR, Chandigarh from 8.12.25 to 12.12.25.
- **Dr. Meena Rao** attended FDP on” Microsoft Power BI Data Analyst Associate” organized by ICT Academy from 15.12.2025 to 19.12.2025.
- **Prof. Archana Balyan** attended 2 weeks FDP on “IoT and ML for Advanced Bio medical Signal Processing” organized by ABV-IIITM from 15-1-25 to 24-1-25.
- **Prof. Neeru Rathee** attended 2 weeks FDP on “Entrepreneurship Awareness Programme” from 27.12.2024 to 11.01.2025.

- **Ms Vishakha Tomar** attended 2 weeks FDP on "Semiconductor Fabrication and packaging technology" organized by Electronics and ICT Academy from 20/01/2025 to 31.01.2025.
- **Dr. Nishtha** attended 2 weeks FDP on "Semiconductor Fabrication and packaging technology" organized by Electronics and ICT Academy from 20/01/2025 to 31.01.2025.
- **Ms Neelam Nehra** attended FDP on "Mastering Cloud Computing Essentials with AWS" organized by NITTTR, Chandigarh from 3.3.2025 to 7.3.2025.
- **Dr. Dinesh Sheoran** attended FDP on "Mastering Cloud Computing Essentials with AWS" organized by NITTTR, Chandigarh from 3.3.2025 to 7.3.2025.
- **Dr. Geetanjali Sharma** attended FDP on "Protect Yourself against Cyber Threats and Online Risks" organized by NITTTR, Chandigarh from 5.5.2025 to 9.5.2025.
- **Dr. Dinesh Sheoran** attended FDP on "Protect Yourself against Cyber Threats and Online Risks" organized by NITTTR, Chandigarh from 5.5.2025 to 9.5.2025.
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- **Ms Himani** attended FDP on "Green Technologies for Environment Sustainability" organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Ms Vishakha Tomar** attended FDP on "Green Technologies for Environment Sustainability" organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Prof. Pardeep Sangwan** attended FDP on "Green Technologies for Environment Sustainability" organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr. Upma Singh** attended FDP on "Green Technologies for Environment Sustainability" organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr. Neetu** attended FDP on "Green Technologies for Environment Sustainability" organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Ms Jasmine Chhikara** attended FDP on "Green Technologies for Environment Sustainability" organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr. Garima** attended FDP on "Green Technologies for Environment Sustainability" organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.

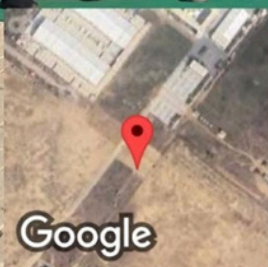
- **Ms Anjail Baliyan** attended FDP on "Green Technologies for Environment Sustainability" organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr. Sumanlata** attended FDP on "Green Technologies for Environment Sustainability" organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Dr. Neelam Barak** attended FDP on "Green Technologies for Environment Sustainability" organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Ms Sonia Malik** attended FDP on "Green Technologies for Environment Sustainability" organized by NITTTR, Chandigarh from 2.6.2025 to 6.6.2025.
- **Prof. Pardeep Sangwan** attended FDP on "Mastering Cloud Computing Essentials with AWS" organized by NITTTR, Chandigarh from 3.3.2025 to 7.3.2025.
- **Dr. Upma Singh** attended FDP on "Mastering Cloud Computing Essentials with AWS" organized by NITTTR, Chandigarh from 3.3.2025 to 7.3.2025.
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- **Dr. Neelam Barak** attended FDP on "Mastering Cloud Computing Essentials with AWS" organized by NITTTR, Chandigarh from 3.3.2025 to 7.3.2025.
- **Ms Sonia** attended FDP on "Mastering Cloud Computing Essentials with AWS" organized by NITTTR, Chandigarh from 3.3.2025 to 7.3.2025.



WEBINARS/INDUSTRIAL VISITS/ FDPS ORGANIZED

The India Energy Week (IEW) 2025

The India Energy Week (IEW) 2025, held from February 11 to 14 at Yashobhoomi, Dwarka, New Delhi was attended by total of 8 students of ECE 3rd year accompanied with Dr.Sakshi Rajput (A.P,ECE Dept.),attended the closing of the conference and exhibitions visited on 14th February,2025. It was a landmark event showcasing India's commitment to energy innovation and sustainability. Organized under the patronage of the Ministry of Petroleum and Natural Gas, Government of India, the event witnessed participation from global energy leaders, policymakers, industry experts, and innovators. Prime Minister Shri Narendra Modi and Petroleum Minister Shri Hardeep S. Puri inaugurated the event, emphasizing India's vision for a secure and sustainable energy future. Discussions centered on renewable energy, energy storage, and carbon-neutral technologies, highlighting India's strategies to meet climate goals while ensuring affordability and accessibility. The event facilitated significant collaborations, with multiple Memoranda of Understanding (MOUs) signed between Indian and international energy firms, fostering investments in India's energy infrastructure. Additionally, experts addressed policy challenges, workforce development, and grid stability, reinforcing India's role in the global energy transition.



Delhi, Delhi, India

Yashobhoomi Dwarka Sector-25, Sector 25 Dwarka, Dwarka,
Delhi, Delhi 110061, India

Lat 28.551638° Long 77.04252°

14/02/2025 10:07 AM GMT +05:30

32nd Convergence India Expo



An industrial visit of ECE department, 3rd year students, of MSIT to the 32nd Convergence India Expo & 10th Smart Cities Expo held at Pragati Maidan, New Delhi, on March 21, 2025. The visit was organized by Dr. Aman Dahiya, Associate Professor, ECE, to provide students with firsthand exposure to cutting-edge technologies and industry trends in IT, telecom, smart cities, and related sectors. The expo provided a valuable platform for students and faculty to witness real-world applications of their academic knowledge. They developed a better understanding of the industry landscape and potential career opportunities. The students were impressed with the breadth and depth of the technologies on display. The Smart Cities portion of the expo was very interesting, as it showed how technology is being used to improve the lives of citizens.

Expert Talk: “Idea to Impact: A gateway to Electronic Industry”

An expert talk on “Idea to Impact: A gateway to Electronic Industry” was organized by Dr. Sudesh Pahal, Dept of ECE on 3.4.2025 in #206 from 11:00-12:30. The session was led by Varun Goyal, MSIT alumni and an Entrepreneur in the field of electronics and innovation. The talk aimed to provide insights into the vast career opportunities available in electronics and the process of transforming an idea into a successful product or innovation.



The session began with an overview of the current trends in electronics, including advancements in embedded systems, the Internet of Things (IoT), Artificial Intelligence (AI), and semiconductor technology. The speaker highlighted how these fields are driving innovations and creating new job opportunities globally. Various career paths such as hardware design, software development, VLSI design, robotics, and automation were discussed, along with required skills and Qualifications.

Session on “GMAT Preparation”

Session on “GMAT Preparation” ECE Department, MSIT in association with

MSC-MSIT organized a Seminar on “GMAT Preparation” on April 08, 2025 at 10:30 am, in association with SIEC Education.

Mr. Arun Bhatia from SIEC Education delivered the session who is an experienced professional with expertise in GMAT preparation. The attendees from students of B.Tech from all branches actively participated in the quiz competition and interactive sessions, engaging with the speakers and their peers.



Seminar on “Role of AI in Health Care”

On 16th April 2025, the Department of Electronics and Communication Engineering, MSIT, organized a half-day seminar on the “Role of AI in Health Care”, conducted by Dr. Jyoti Yadav, an esteemed Assistant Professor from NSUT.



The seminar aimed to offer insights into the use of Artificial Intelligence (AI) in healthcare, focusing on data processing and postprocessing techniques for emotion-based datasets, a key area where AI can be applied for healthcare advancements. Dr. Yadav, with her deep expertise in AI and healthcare, guided the audience through various aspects of the field, providing in-depth knowledge of the major datasets related to emotion recognition, the intricacies of processing these datasets, and the post-processing steps involved.



32nd Convergence India Expo



ECE-Evening students from Maharaja Surajmal Institute of Technology had the opportunity to visit India's Largest Technology Showcase—the 32nd Convergence India Expo & 10th Smart Cities Expo, scheduled on March 21, 2025, at Pragati Maidan, New Delhi. This prestigious event is supported by multiple Government of India ministries, including the Ministry of Science & Technology, Ministry of Information & Broadcasting, and Ministry of Housing and Urban Development, among others. The expo is jointly organized by the India Trade Promotion Organisation (ITPO, Department of Commerce) and Exhibitions India Group (EIG).

Network Bulls Pvt. Ltd.



ECE-Evening students from Maharaja Surajmal Institute of Technology had the opportunity to visit the Network Bulls Pvt. Ltd. – World's Largest Cisco Training Company on 2nd September 2025. The visit aimed to provide students with hands-on experience in computer networking, bridging the gap between theoretical knowledge and real-world applications. We extend our heartfelt thanks to the Network Bulls team for their support and for making this visit impactful.

Space conference GLEX 2025



Delhi, Delhi, India

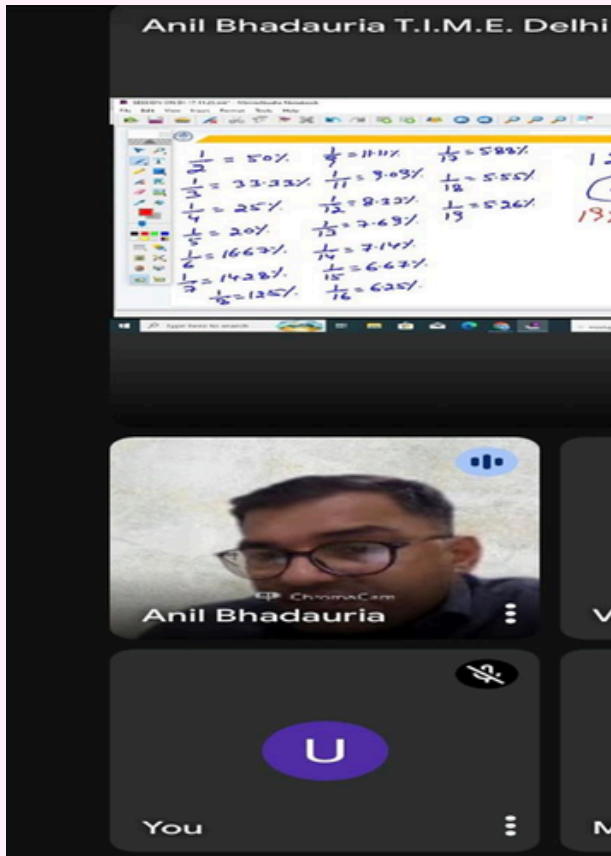
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110061, India

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A visit of 15 students of ECE 2nd year was organized to Space conference GLEX 2025 at YashoBhoomi, New Delhi by Dept of ECE on 9.5.2025. The visit to GLEX 2025 was a transformative experience. It gave us rare exposure to the forefront of global space research, policy, and collaboration. Listening to astronauts from around the world and observing cutting-edge technology displays deepened our understanding of the vast potential that space science holds for humanity. We thank Dr. Sudesh Pahal and Dr. Dinesh Sheoran for their coordination and support in making this enlightening visit possible.

ECE departments has been accredited by the **National Board of Accreditation (NBA)**. This milestone is a testament to the hard work, dedication, and collaborative spirit of our faculty, staff, students, and all stakeholders. This achievement reflects our collective commitment to academic excellence, quality education, and continuous improvement. The accreditation for NBA has been granted for three years.

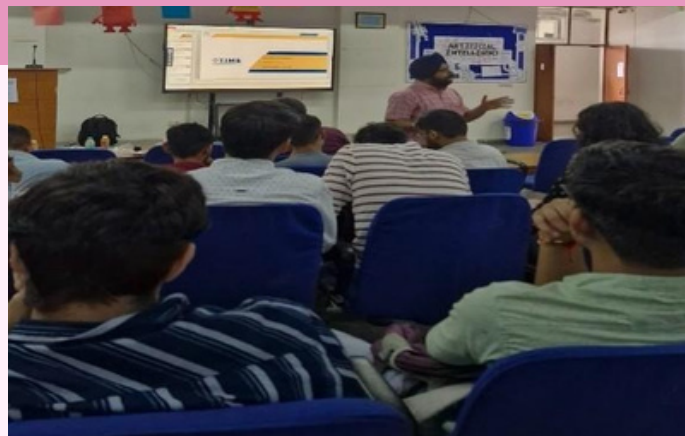
Webinar on: How to crack DI Section



The ECE Department, 2nd shift, conducted a webinar on “How to crack the DI section” by TIME Education, Delhi, on 17 th Nov., 2025, from 10:00 am – 11:00 am in online mode. The lecture was delivered by Mr. Anil Bhadauria, Faculty - MBA from UBS. He has more than 16 years of experience in the teaching industry & working as a Senior Faculty in T.I.M.E. He has expertise in preparing students those who get their calls from different IIMs for GD/PI. Soft skill training provider. The esteemed speaker explained Time Management, Regular Practice, Develop Logical Thinking, Identify Patterns, Prioritise Questions, Work on Calculation Speed, Stay Calm and Focused. He also explained that mastering the LR DI section of the CAT exam demands strategic preparation, consistent practice, and effective time management. Key strategies include regular practice, enhancing logical thinking, identifying patterns, prioritising questions, and improving calculation speed. Familiarize yourself with different question types, such as bar graphs, pie charts, tables, caselets seating arrangements, blood relations, syllogisms, logical sequences, and data sufficiency. Utilize online resources, join study groups, analyze mock tests, and revise regularly to stay ahead.

What After Graduation (CAT, GMAT, Banking & SSC etc.)

The ECE Department (2nd shift) organized a seminar on “What After Graduation (CAT, GMAT, Banking & SSC etc.)” by T.I.M.E. Education, Delhi, on August 20, 2025, at 11:00 a.m. in Seminar Room #206. The session was delivered by Pawan Kumar, Senior Verbal Faculty at T.I.M.E., with extensive experience in test prep and career guidance. He highlighted the importance of CAT, GMAT, Banking, and SSC for public/private careers, exam structure, preparation strategies, and career prospects. Students attended the engaging session, gaining valuable insights into career planning and competitive exams.



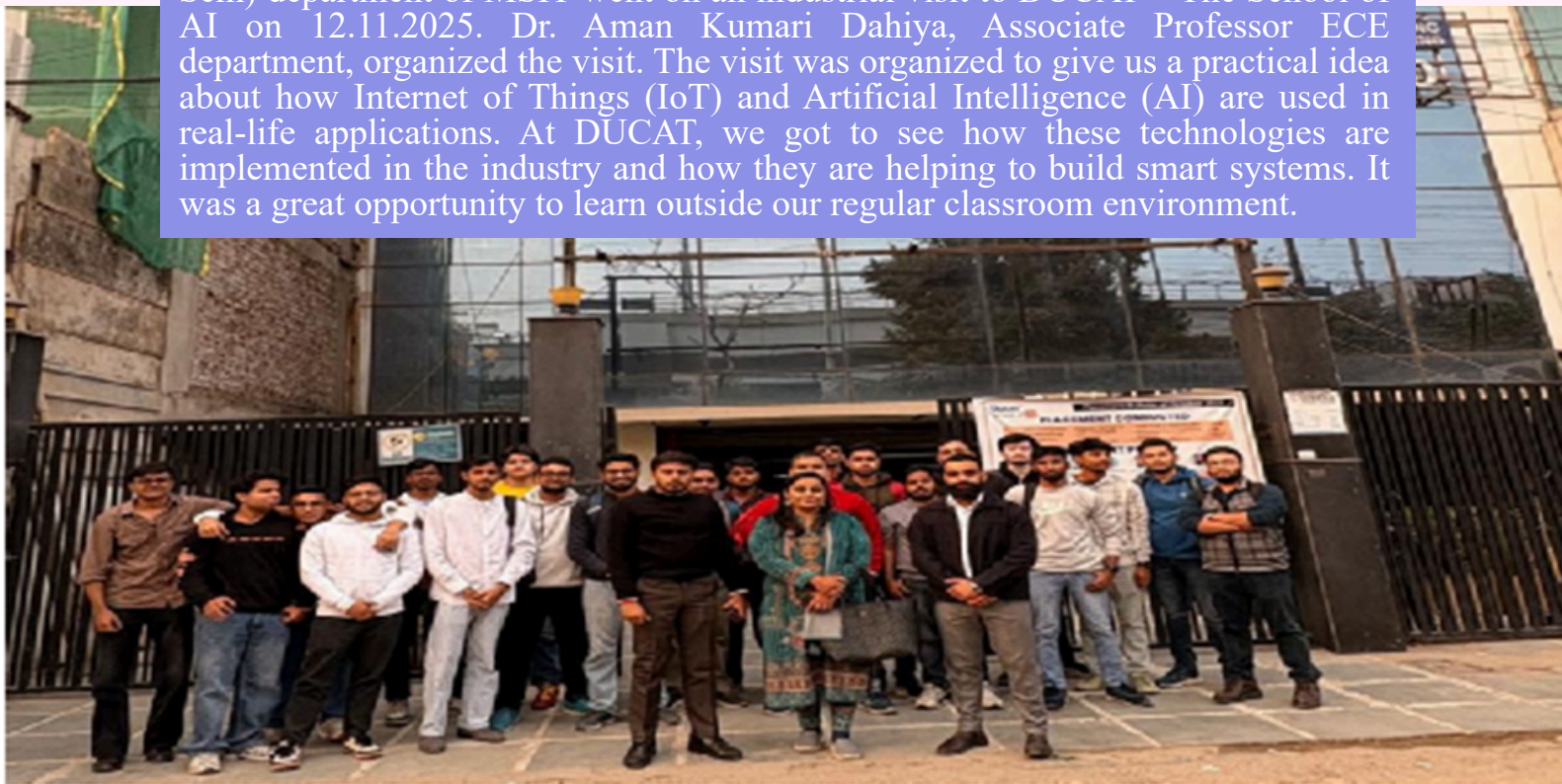
Project CHALLENGE—New Delhi

The Project CHALLENGE—New Delhi was successfully organized by ECE Dept. MSIT in collaboration with Rotary District 3011 & Delhi Traffic Police (HQ) on 29 th August 2025, Friday. It was an awareness workshop focused on Road Safety, First Aid, and Responsible Driving. The session was attended by B.Tech (ECE) students and aimed at sensitizing youth towards safe driving practices and equipping them with life-saving skills.



Visit to DUCAT –THE SCHOOL OF AI

The students of the Electronics and Communication Engineering (ECE-1 5 th Sem) department of MSIT went on an industrial visit to DUCAT – The School of AI on 12.11.2025. Dr. Aman Kumari Dahiya, Associate Professor ECE department, organized the visit. The visit was organized to give us a practical idea about how Internet of Things (IoT) and Artificial Intelligence (AI) are used in real-life applications. At DUCAT, we got to see how these technologies are implemented in the industry and how they are helping to build smart systems. It was a great opportunity to learn outside our regular classroom environment.



National Conference on Integrating Technologies, Ideas and Disciplines For Engineering Innovation (NCI-TIDE 2025)

The Department of Electronics and Communication Engineering of MSIT organized the National Conference on Integrating Technologies, Ideas and Disciplines for Engineering Innovation (NCI-TIDE 2025) on November 18–19, 2025.



The conference aimed to provide a dynamic platform for researchers, academicians, and industry professionals to showcase innovative research and discuss emerging trends in engineering, technology, and interdisciplinary innovations. The inaugural ceremony was graced by SMES management members Sh. Kaptan Singh (President, SMES), Smt. Esha Jakhar (Sr. Vice President, SMES), Sh. Raj Pal Solanki (Treasurer, SMES), and Prof. (Dr.) Avanish Kumar Srivastava (Director, MSIT), along with distinguished guests from academia and industry. The Chief Guest, Dr. Subhash Chander (Scientist 'G', SSPL–DRDO), addressed the gathering with insightful remarks on advancements in RF technologies, semiconductor research, and the importance of indigenous innovation in strengthening India's defence and aerospace capabilities.

The Guests of Honour included Mr. Sunil Kumar, a dedicated officer with extensive experience in scientific research and national-level administrative roles, and the event featured an eminent Keynote Speaker, Prof. (Dr.) Purna Gaur (Director, NSUT West Campus), who shared expert insights on the transformative impact of IoT technologies in advancing intelligent systems and modern engineering. NCI-TIDE 2025 invited original and unpublished research papers, with selected high-quality papers to be published in reputed journals such as MAPAN – Journal of the Metrology Society of India (SCI indexed), PES – Proceedings of Engineering Sciences (Scopus indexed), and the special issue of SATYAM – MSIT Journal of Research. The conference was successfully organized under the leadership of Prof. (Dr.) Archana Balyan (Organizing Chair) along with Prof. (Dr.) Neeru Rathee, HOD ECE and Convener, NCI-TIDE.

Visit to DIDAC India Exhibition

As part of the academic curriculum of the Electronics & Communications Engineering Department, Maharaja Surajmal Institute of Technology, a formal industrial visit was organised to DIDAC India Exhibition 2025 at Yashobhoomi, New Delhi on 20.11.2025 for the students of 3rd Semester, ECE under the academic guidance of Dr. Shaifali Madan Arora, Associate Professor, ECE department and Ms. Prinkle Talan, Assistant Professor, ECE department. The exhibition showcased practical innovations such as smart classrooms, robotics, and AI-driven learning platforms, offering a deeper understanding of their real-world application. Observing these developments from an engineering perspective broadened technical awareness, sparked new ideas, and highlighted future trends in the education and ed-tech industries. Overall, the experience was highly informative, inspiring, and strengthened the motivation to explore technology-driven solutions within the education sector.



Industrial Visit to DUCAT



The fifth-semester ECE students of MSIT visited the DUCAT Training Centre on 20th November 2025 for an industrial tour on Machine Learning (ML) and Artificial Intelligence (AI), aimed at providing practical exposure to industry applications. Accompanied by Dr. Nishtha, the students received an overview of ML and AI use in finance, healthcare, IoT, and ECE, and explored labs equipped with Python, R, TensorFlow, Keras, high-performance GPUs, and cloud resources. They were introduced to key ML algorithms, deep learning concepts like CNNs and RNNs, and real-world applications such as facial recognition and predictive maintenance. A live demonstration of a real-time facial recognition system further enhanced their understanding. The visit strengthened students' practical knowledge, skill development, and awareness of career opportunities in ML and AI, effectively linking academic learning with industry expectations.

Department of ECE



Chief Editor



Dr. Shaifali M. Arora
Associate Professor, ECE Dept. MSIT

Co Editor



Ms. Neha Choudhary
Assistant Professor, ECE Dept. MSIT

Student Editor



Yashika Sharma
ECE Batch 26-27, MSIT