

PULSE

MONTHLY NEWSLETTER



JAN-2026



Noida Institute of Engineering & Technology, Greater Noida



AMD in Conversation

Dr Neema Agarwal

Additional Managing Director
Noida Institute of Engineering and Technology (NIET)



Dear Students, & Members of the Faculty, and Staff of NIET,

Welcome to the very first edition of 'Pulse'—our new monthly newsletter designed to capture the vibrant rhythm of life at NIET. As we turn the calendar to January 2026, we are not just welcoming a new year; we are stepping into history, to NIET's Silver Jubilee Year.

For 25 years, we have grown from a promising institution in Greater Noida into a hub of innovation, autonomy, and excellence recognized across India. I've chosen to call it 'PULSE' because a campus is a living organism. Its heart beats in the classrooms, lecture halls, the innovation labs, the placement cells, and the sports grounds.

'Pulse' is here to record that heartbeat. Each month, this newsletter will celebrate victories, showcase innovation, and connect communities – bridging the news gap between departments, faculty, students and our vast alumni network. Reaching our 25th anniversary is a testament to the resilience and brilliance of this community. From our humble beginnings to achieving autonomous status and stellar NIRF rankings, every milestone was built by the hard work of people reading this message. However, a Silver Jubilee is not just about looking back; it is about launching forward. As we celebrate our past, we must also set our sights on the next 25 years. The world is moving toward AI, sustainable engineering, and complex problem-solving. NIET must continue to spearhead this effort. This year will be filled with Silver Jubilee celebrations. I invite every one of you to participate actively. Let your energy define this historic year. I hope you enjoy reading this inaugural issue. Let this be the start of a new conversation—one where every student and staff member feels heard, valued, and inspired. Here is to 2026. Here is to 25 years of excellence!

Happy New Year and Happy Silver Jubilee!





IEEE 2nd International Conference

NIET, Greater Noida, successfully hosted the 2nd IEEE International Conference on 28–29 November 2025, bringing together global researchers, academicians, and industry leaders to deliberate on emerging technologies and sustainability. The conference was honoured by the presence of Prof. S. N. Singh, Advisor IEEE UP Section & Director, IIITM Gwalior, as Chief Guest, along with Ms. Renata Sguario, Founder & CEO, Maxme (Australia), and Dr. Sudhanshu Gupta, Senior Director, Talent Transformation, NTT Data, as Guests of Honour. Their inspiring insights set the tone for meaningful knowledge exchange and innovation-driven discussions. The event reaffirmed NIET's commitment to excellence, global collaboration, and sustainable technological advancement.



NIETians Shine Across Global Brands

NIET
Greater Noida
1 AUTONOMOUS
STATUS BY IACB

Redefining knowledge, skill, opportunity, and impact across industries.

193 NIETians from Batch 2026 have secured placements at **cognizant**

NIET is ranked 1st in India in Pharmacy, 1st in Pharmacy Top 500 Institutions in India, and 1st in Engineering & Technology, India, IACB Accredited. Please PLACETHEFT, Thank NIET.

NIET
Greater Noida
1 AUTONOMOUS
STATUS BY IACB

Congratulations to our brilliant NIETians on their successful placements!

Badal Raj - ECE, Batch 2022-26
Raj Singh - ECE, Batch 2022-26
Vikasb Kumar - ME, Batch 2022-26

THE Coca-Cola COMPANY

NIET is ranked 1st in India in Pharmacy, 1st in Pharmacy Top 500 Institutions in India, and 1st in Engineering & Technology, India, IACB Accredited. Please PLACETHEFT, Thank NIET.

Excellence finds its way when talent meets opportunity - and our students have proven it once again. We are delighted to announce that 193 students from Batch 2026 are placed at Cognizant, one of the world's leading IT organizations.

Adding to this remarkable achievement, 289 students secured placements at Capgemini, and around 250 students earned offers from Accenture. These outstanding results reflect the dedication of our students, the guidance and unwavering support of our faculty, and the strong industry connect that NIET continues to uphold.



NIET An Institution of Happiness

NIET Pharmacy Institute, Greater Noida, Uttar Pradesh, proudly received the QS I-GAUGE Institution of Happiness (IOH) Certification 2025-26, reflecting its sustained commitment to nurturing a positive academic ecosystem. The certification recognised NIET's consistent efforts in promoting happiness, well-being, and holistic development, reinforcing its focus on creating a supportive and enriching learning environment for students and teachers.



BW Education Awards 2025 Honour NIET for Academic Excellence

At NIET, excellence is not just a goal - it is a continuous commitment. We strive to shape future-ready professionals through innovation, skill development, and strong industry alignment. We are proud to share that NIET, Greater Noida is awarded with the "Institution with Excellence in Training & Placements (Silver Award)" at the BW Businessworld Top Education Brands Summit & Awards 2025. This achievement reinforces our vision of transforming education into an experience that builds confidence, nurtures leadership, and inspires lifelong success.





Powering the Future NIET partnered with C-DAC at SCI 2025

NIET, Greater Noida proudly marked a significant milestone at Supercomputing India (SCI) 2025 in Bengaluru with the exchange of an MoU with C-DAC Delhi, reinforcing its commitment to strengthening India's capabilities in High Performance Computing (HPC), Artificial Intelligence, Quantum Computing, and other emerging technologies.



NIET Business School Partnered with Jackpot Sales School



NIET Business School, Greater Noida, signed an MoU with Jackpot Sales School on 4 November 2025 to enhance industry-focused learning and practical sales skills. The event featured Ms. Deepanksha Saxena, Founder of Jackpot Sales School and a Dale Carnegie Certified Trainer with over 14 years of global experience across 29+ countries. This collaboration provides NIET students with industry-driven sales training, hands-on exposure, and real-world business insights, reinforcing the institution's commitment to developing future-ready professionals with a strong competitive edge in the global market.



NIET Business School Recognized as the Best Management Institute in North India

NIET Business School received the Best Management Institute in North India award at the prestigious AMA (American Management Association) Community Summit 2025. This honour stands as a testament to the institution's continuous pursuit of excellence in academics, industry-oriented learning, and holistic leadership development. The award highlights NIET's dedication to nurturing future-ready professionals equipped with the skills, mindset, and vision needed to excel in today's dynamic business environment. This achievement reinforces the Business School's commitment to delivering high-quality education and creating impactful learning experiences for its students.



Embracing Global Standards of Excellence

NIET moves forward with American Accreditation Association (AAA) membership, reaffirming its commitment to global standards, quality education, and future-ready learning. This milestone enhances international recognition, academic collaboration, and a globally aligned ecosystem for students and faculty - because at NIET, excellence knows no borders.



Stronger Standards. Wider Recognition. Greater Opportunities. with

 **AMERICAN ACCREDITATION ASSOCIATION**

Membership

This milestone opens new doors for:

- Global Academic Recognition
- Enhanced Collaboration Opportunities
- Future-Ready Learning Ecosystem



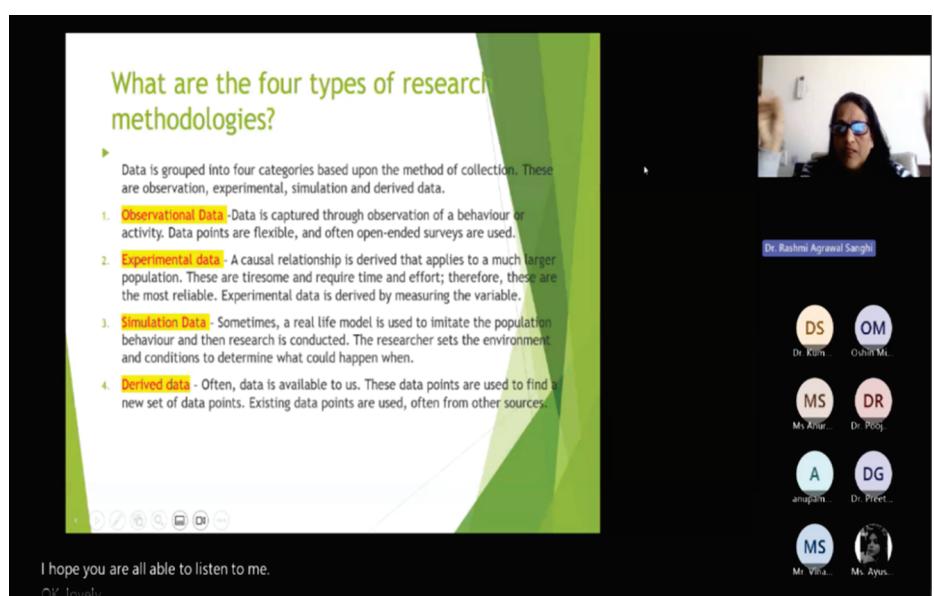
Opening Pathways to Global Education

On 11 December 2025, during the Centre for Global Engagement launch event, students were guided through the complete outbound student mobility journey—from exploring opportunities and shortlisting pathways to documentation, planning, and final execution. The event reflected CGE's long-term vision of providing affordable, best-in-class educational opportunities along with meaningful global exposure.



Online FDP on NEP 2020: Orientation & Sensitization

The CSE Department, NIET Greater Noida, hosted an 8-day Online FDP on "NEP 2020: Orientation & Sensitization" (17–25 Nov 2025), conducted by UGC–MMTTC. Featuring 16 expert-led sessions, the programme strengthened faculty understanding of NEP 2020 and its effective implementation in higher education.



What are the four types of research methodologies?

- ▶ Data is grouped into four categories based upon the method of collection. These are observation, experimental, simulation and derived data.
- 1. **Observational Data** - Data is captured through observation of a behaviour or activity. Data points are flexible, and often open-ended surveys are used.
- 2. **Experimental data** - A causal relationship is derived that applies to a much larger population. These are tiresome and require time and effort; therefore, these are the most reliable. Experimental data is derived by measuring the variable.
- 3. **Simulation Data** - Sometimes, a real life model is used to imitate the population behaviour and then research is conducted. The researcher sets the environment and conditions to determine what could happen when.
- 4. **Derived data** - Often, data is available to us. These data points are used to find a new set of data points. Existing data points are used, often from other sources.

I hope you are all able to listen to me.
OK lovely

Dr. Rashmi Agrawal Sanghi

DS Dr. Kishan Om Shrivastava
MS Ms. Anuradha DR Dr. Pooja
A amarpal Singh DG Dr. Preeti
MS Mr. Vishal Ayush

Women in Engineering - Meet & Greet Programme



The CSE Department, NIET Greater Noida, organized the WIE Meet & Greet Program on 28th November 2025 at the A-Block Board Room, NIET Plot 19. The session brought together new and existing members of the IEEE Women in Engineering (WIE) affinity group in an interactive setting. Through introductions, experience sharing, and discussions on mentorship and upcoming activities, the program strengthened networking, leadership, and support for women in STEM, fostering a collaborative and inclusive engineering community.

Technology with a Social Purpose

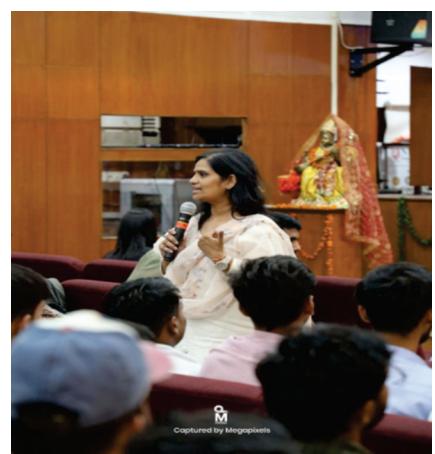
The CSE Department, NIET Greater Noida, conducted a Social Internship Program from 29 October to 7 November 2025 for second-year students. Through community visits and a medicinal plantation drive, students engaged in social outreach, digital literacy, and environmental conservation, fostering empathy, civic responsibility, and ethical values.





IEEE Oritech 2025: Where Innovation Begins

The CSE Department, NIET Greater Noida, organized IEEE Oritech 2025 on 3 October 2025 at the B-Block Auditorium, NIET Plot 19. The programme highlighted IEEE's role in research, innovation, and professional development, inspiring students to engage with global technical platforms. The event also featured a Batch Felicitation Ceremony, formally announcing the new IEEE Student Branch leadership and marking a promising new phase for student-led technical initiatives at NIET.



NIET Partnered with Red Hat Academy

NIET Greater Noida inaugurated its collaboration with Red Hat Academy on 6 November, marking a key step toward nurturing future-ready tech professionals. Graced by Mr. Shirish V. Pandey, APAC Lead – Academic Services, Red Hat, the partnership offers advanced training in open-source technologies, hybrid cloud, containers, and automation, equipping students with globally recognized, industry-ready IT skills. The event was coordinated by Mr. Hitendra Singh and Ms. Madhu under the guidance of Dr. Arun Kumar Tripathi and Dr. Deepti Gupta (Head, CSBS).



NIET X RED HAT ACADEMY SHAPING FUTURE-READY TECH LEADERS

This collaboration with **Red Hat Academy** brings cutting-edge learning in open-source technologies, hybrid cloud, containers, and automation empowering **NIET students** with globally recognized, industry-ready IT skills.

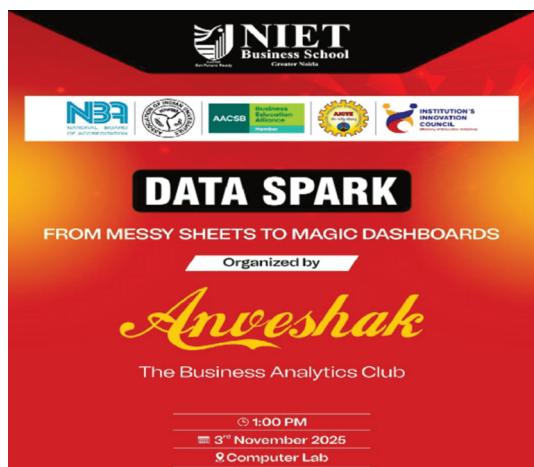


THINK PLACEMENT, THINK NIET



Data Spark From Messy Sheets to Magic Dashboards

Anveshak – The Business Analytics Club at NIET Business School organized an offline competition titled “Data Spark: From Messy Sheets to Magic Dashboards” for the PGDM Batch (2025–27). Guided by Mr. Mayanka Gupta and Mrs. Nupur Tripathi, the four-hour event challenged 19 students to transform raw datasets into insightful dashboards. The competition strengthened participants' analytical thinking, data cleaning, visualization, and business intelligence skills, highlighting the importance of data-driven decision-making in management.



Investiture Ceremony 2025

NIET Business School, Greater Noida, held its Investiture Ceremony on 25 November 2025, formally appointing the new student leadership team. Organized by the Adhvan Cultural Club under the guidance of Ms. Tanya and Ms. Mahima Dogra, the ceremony empowered students in leadership roles, including ARs, CRs, Presidents, Vice Presidents, and group leaders.

The event featured an oath-taking ceremony in which 99 student leaders pledged to serve with integrity and dedication, along with motivational addresses by faculty members. A brief cultural programme added vibrancy to the occasion. The ceremony reinforced values of responsibility, confidence, and collaboration, strengthening the leadership culture at NIET Business School.





Freshers' Party 2025

The Freshers' Party for the MBA batch was held on 25 November 2025, bringing together students from MBA, BBA, MBA IEV, MBA M&F, and IMBA programs. The event served as a vibrant platform for fostering interaction and inclusivity through cultural performances, structured activities, and engaging ice-breaking sessions. The evening facilitated meaningful peer connections, encouraged collaboration across programs, and marked a memorable and harmonious beginning to the students' academic journey.



Gender Sensitization Week:

An initiative fostering awareness, mutual respect, and meaningful classroom conversations on "Gender Respect: Valuing All Identities."

Department of Languages (English) Conducted a Gender Sensitization Week from 1 to 6 December 2025 with the objective of promoting awareness, equality, and respect for all genders. The week featured a series of talks, discussions, PPT sessions, role plays, quizzes, poster activities, and interactive exercises. Through real-life examples and creative expression, students explored themes such as gender equality, breaking stereotypes, and inclusivity. The initiative encouraged reflection, critical thinking, and empathy, reinforcing the understanding that gender sensitization is an ongoing responsibility beyond a single observance.





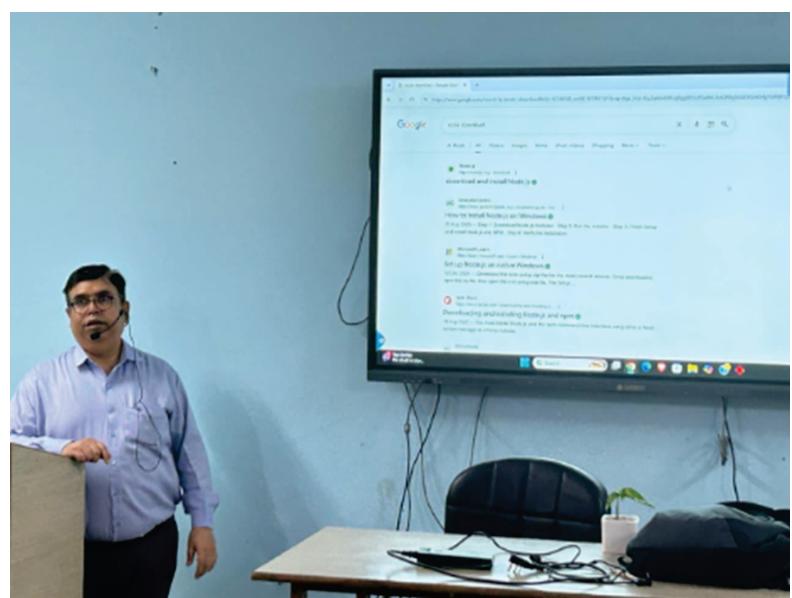
Empower, Respect, Prevent: Posh Compliance Talk

The Department of Languages (English) Conducted a Posh Compliance Talk on "Empower Respect, Prevent" to Spread Awareness about the POSH Act Enacted in 2013, the POSH Act mandates organizations to prevent workplace sexual harassment. To reinforce this, NIET Greater Noida conducted a POSH awareness session on 9 December 2025 for teaching and non-teaching staff. Organized by the ICC, the session was facilitated by Ms. Shukla Bansal, Practicing Company Secretary and POSH Enabler.



Guest Lecture on Full Stack Development

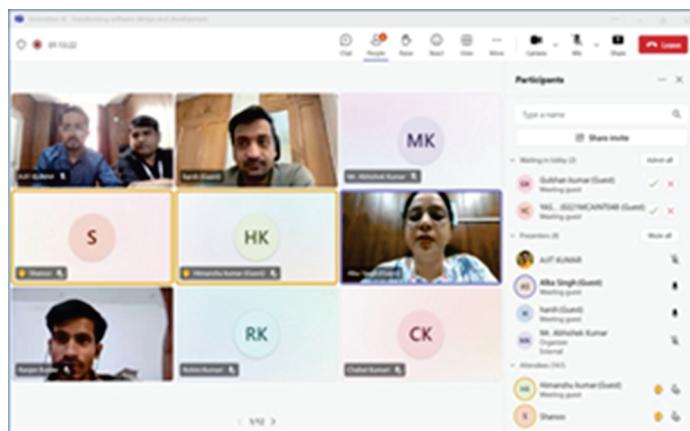
Techno Crate Club, in coordination with the DSW Committee and the School of Computer Applications, organized a guest lecture on Full Stack Development at NIET, Greater Noida. The session was conducted by Ms. Tanya Kishore Mishra, Full Stack Developer, who introduced students to modern web technologies including React, Node.js, Express.js, MongoDB, and the MERN stack. Through practical demonstrations and industry insights, the lecture enhanced students' understanding of end-to-end web application development and career opportunities in the IT industry.





Session on Generative AI: Redefining Software Innovation

The School of Computer Applications, NIET Greater Noida, organized an expert talk on "Generative AI: Transforming Software Design and Development" on 20 September 2025 in online mode. The session was delivered by Mr. Harsh Vardhan, Co-Founder of SkillCaptain and BITS Pilani alumnus, who shared industry-driven insights on the role of AI in modern software engineering. The interactive session enhanced students' understanding of emerging technologies, career readiness, and future skill requirements in an AI-driven industry.



Deep AI Summit 2.0 Leadership, Ethics, and the Future of Intelligent Technology

The Department of CSE (Artificial Intelligence), in collaboration with the EmergeX Club under IIC, successfully organized Deep AI Summit 2.0 at NIET. The event featured insightful keynote sessions by eminent industry experts, interactive student engagement, and a panel discussion on "AI, Ethics & Influence." Discussions highlighted AI leadership, entrepreneurship, ethical challenges, and future workforce trends. The summit enriched students' understanding of responsible AI, enhanced professional skills, and offered valuable industry exposure, reinforcing the vision of ethically intelligent technological advancement.





Codesphere: Igniting the Next Byte

CODERS ERA at NIET Greater Noida successfully organized "Codesphere: Igniting the Next Byte," a flagship technical event bringing together aspiring developers and technology enthusiasts. The event featured expert sessions on cyber ethics and security, data protection, Angular and agentic applications, and blockchain technologies including Eigen Layer. Through industry-driven discussions and real-world insights, the event enhanced students' technical awareness, ethical understanding, and exposure to emerging trends, inspiring them to innovate responsibly in the evolving digital landscape.



COD-RUSH: Coding Competition

The EmergeX Technical Club, under the Department of CSE (AI), organized COD-RUSH, a coding competition on 19 September 2025 at NIET Greater Noida. The event featured MCQ-based and coding challenges, allowing participants to use programming languages of their choice. Guided by faculty coordinator Mr. Sachin Singh, students showcased strong problem-solving and analytical skills in a competitive environment. COD-RUSH effectively promoted practical learning, coding proficiency, and readiness for advanced hackathons and technical competitions.



Spreading Smiles, Sharing the Spirit of Christmas



The Christmas season was made truly meaningful as the Department of Management, NIET, celebrated the occasion with the children of Rainbow School. Through warm interactions and shared smiles, the initiative reflected the true spirit of the season—spreading joy, compassion, and togetherness beyond the campus. The celebration reaffirmed NIET's commitment to social responsibility, inclusivity, and community engagement, reminding us that the essence of the season lies in giving and making a positive difference.



A Milestone in Research and Industry Collaboration

NIET Greater Noida is honoured to be recognised for **Excellence in Industry-Academia Collaboration & Research** at the **Times Now Education Conclave 2025**.

This recognition reflects NIET's sustained efforts to bridge academic learning with real-world impact.

The award reaffirms NIET's commitment to strengthening industry partnerships, advancing research-led innovation, and building a future-ready academic ecosystem that empowers students, faculty, and collaborators to drive meaningful progress at a global scale.



Aradhya Verma Shines at Brand Quest Capgemini 2025

Aradhya Verma, a B.Tech Computer Science student (V Semester), achieved a remarkable milestone by securing the 1 Runner-Up position at Brand Quest Capgemini 2025, a prestigious national-level competition. The 2025 edition attracted over 125,000 participants nationwide. After a rigorous three-stage selection process, only 10 finalists advanced to the grand finale at the Capgemini Office, Pune, in November 2025. Aradhya's outstanding performance earned her a top position, bringing pride to the institution.



From Campus to Corporate: Alumni Insights That Inspire



NIET was privileged to host an insightful alumni talk, "From Campus to Corporate," featuring Ms. Ruchi Singh, Performance Manager at OMD APAC, Singapore, and a distinguished ECE alumna (Batch 2013–2017). Her engaging session offered students valuable insights into professional growth, industry expectations, and emerging career opportunities.

NIET continues to cherish the strength of its Alumni Association, where real-world corporate experiences inspire and guide the next generation of professionals.



Dr Sonia Arora

Dy. Head & Assistant Professor
Department of AIML Department

Authored a book *Introduction to Mobile Computing* published by Chyren Publication ISBN-978-93-7143-837-7.

Authored the following book chapters in an edited book *Harnessing the Power of IoT Enabled Machine Learning in Healthcare Applications* published by NOVA Science Publisher.

- The chapter titled “IoT-Driven Machine Learning in Modern Healthcare” highlights the role of Internet-of-Things-enabled machine learning systems in enhancing the efficiency and intelligence of healthcare environments.
- The chapter titled “Smart Hospitals and Smarter Healthcare” focuses on advanced digital health infrastructures designed to streamline hospital operations and improve patient care through AI-driven technologies.

Authored the following book chapters in an edited book *Machine Learning – Based Decision Support Systems for Diabetic Foot Ulcer Care* published by NOVA Science Publisher.

- The chapter titled “Advanced Machine Learning Algorithms for Personalized Diabetic Foot Ulcer (DFU) Treatment” explores personalized treatment strategies through AI-powered diagnostic systems. Expanding her interdisciplinary reach into agriculture.
- Authored a book chapter titled “Autonomous Drones and AI Applications in Agriculture for Monitoring and Pest Control” in the edited volume *Computational Intelligence and Image Processing in Agriculture: Applications and Innovations* (ISBN: 9781394320875), published by John Wiley & Sons, USA. The work showcases the use of drones and artificial intelligence in agricultural monitoring and pest-management solutions.

Published a research article titled “Real-Time Traffic Management System Based on Ultrasonic Sensors Using LTE Communication,” in the *Journal of Integrated Science and Technology (SCOPUS)*, Volume 13, Issue 8, page 1181. This work presents a real-time traffic management model that integrates ultrasonic sensing technology with LTE-based communication to improve traffic monitoring, enhance roadway safety, and support intelligent transportation systems.

Dr Sonal Dahiya

Associate Professor
Department of AIML

Published an article titled “Improving Medical Image Classification with Segmentation-Driven Ensemble Machine Learning” in a Q1 journal indexed in SCI. The paper proposes a segmentation-driven ensemble ML model to improve medical image classification accuracy.



Ms Purnima Pal

Assistant Professor
Department of AIML

Authored the following book chapters in an edited volume 'Artificial Intelligence, Machine Learning and IoT for Smart Business Management' published by CRC Press (eBook ISBN: 9781003561873).

- The chapter titled “Customer Churn Prediction Using Machine Learning,” focuses on modern techniques for predicting customer attrition using machine learning models (DOI: 10.1201/9781003561873-6).

- The chapter titled “Future Trends and Ethical Considerations in AI, ML, and IoT” explores upcoming technological developments along with their ethical implications (DOI 10.1201/9781003561873-6).
- The chapter titled “Technical Analysis for Traders” provides insights into trading strategies and analytical techniques relevant to financial markets (DOI 10.1201/9781003561873-5).



Dr Divya Mishra

Associate Professor
Department of AIML

Presented a paper titled “Balancing Coexistence: A Deep CNN-LSTM Model for Sustainable Wildlife Monitoring” at the 2025 International Conference on Intelligent and Secure Engineering Solutions (CISES), highlighting AI-driven sustainability research.



Ms Roshni Afshan

Assistant Professor
Department of AIML

Authored a book chapter titled "Decoding Kidney Health: Effectiveness of Machine Learning Techniques in Diagnosis of Chronic Kidney Disease" in the edited volume *Wellness Management Powered by AI Technologies* (Wiley). The chapter examines the use of machine learning for early and accurate diagnosis of CKD using clinical datasets. DOI: 10.1002/9781394287024.ch11.

Authored a book chapter titled "Enhancing Patient-Centred Healthcare: Utilizing Metaverse and Blockchain for Secure and Reliable Data Sharing" in an edited volume published by *Taylor & Francis*. The chapter focuses on integrating metaverse and blockchain technologies to enable secure, decentralized, and patient-centric healthcare data sharing. DOI: 10.1201/9781003724995-1.

Published a research paper titled "Blockchain and the Metaverse: A Dual-Tech Approach to Transforming Medical Data and Patient Care" in the peer-reviewed journal *Intelligent Hospital*, exploring enhanced data security, interoperability, and patient-centric healthcare systems. DOI: 10.1016/j.inhs.2025.100026



Mr Inam Ul Haq

Assistant Professor
Department of AI

Published a research paper titled "Evaluating Machine Learning Models for Cardiovascular Disease Prediction: Balancing Accuracy and Minority Class Detection" in *Archives of Computational Methods in Engineering* (SCOPUS) published by Springer.

Authored a book chapter titled "Generative AI-Driven Frameworks for Intelligent Wind Energy Forecasting and Optimization" in an edited book *Enhancing Renewable Energy Systems with Generative AI* (SCOPUS) published by IGI Global.



Dr Vineet Kumar

Associate Professor
Department of Cyber Security

Published a research paper titled "Enhancing home IoT Network Security" in Springer Nature's *Discover Applied Sciences*. The paper analyses vulnerabilities in residential, healthcare, and commercial IoT networks.



Mr Mushtaq Ahmad Rather

Assistant Professor
Department of IoT

Received an award for the Best Paper titled "Indian Sign Language Alphabet Recognition at the Gesture Level" in the track *Smart Cities & Renewable Energy* at the 2nd International Conference on Emerging Technologies & Innovation for Sustainability (EmergIN' 2025) held at NIET, Greater Noida on 28th and 29th November 2025



Dr Ankur Sisodia

Assistant Professor
Department of IoT

Published a paper titled "ASEIP: Adaptive Secure Energy-efficient IoT Protocol for Unified Terrestrial and Underwater IoT Environments" in the *International Journal of Performability Engineering*, indexed in SCOPUS.

Presented his paper on "Optimizing IoT Networks: Insights from Comparative Analysis in Terrestrial and Underwater Acoustic Environments" at the Springer COMS2-2025 Conference in October 2025.

Presented a paper titled "A Smart Healthcare Monitoring Framework Integrating IoT and AI for Real-Time Patient Health" at the SMART 2025 International Conference held in November 2025.





Dr Mamta Chauhan

Assistant Professor
Department of IOT

Published a paper titled "Real-time Traffic Management System Based on Ultrasonic Sensors Using LTE Communication" in *Journal of Integrated Science and Technology* indexed in SCOPUS.

Presented a paper titled "Smart Weather Monitoring Framework Using Cloud and Embedded IoT Devices" at ICIRMEST Conference 2025



Mr Salman Ali

Assistant Professor
Department of IoT

Published his SCIE-indexed research paper titled "A Systematic Review of Lightweight Cryptographic Schemes for Security and Privacy in IoT" in the journal *Discover Computing*. (November 2025)



Dr Shailendra Kumar Verma

Assistant Professor
Dept. of Mechanical Engineering

Published a paper titled "Development and Characterization of Functionally Graded Al2024–Ni Metal Matrix Composite Leaf Plate under T3 Heat Treatment" the prestigious MAPAN – *Journal of Metrology Society of India* (Springer) indexed in SCIE. The paper presents advanced insights into composite materials, enhanced structural performance, and next-generation engineering applications.



Dr Rajan Singh

Associate Professor
Head, Department of VLSI Design and Technology

Published a paper titled "Polarization-Induced Versus Delta-Doped β -Ga₂O₃ HEMTs—A Performance Comparison" in the *International Journal of Numerical Modelling* indexed in SCI. The study compares advanced β -Ga₂O₃ HEMT structures for next-generation power electronics.



Innovation Secured: Patents @ NIET

A Government of India-granted patent (No. 575051) titled "Improved Enzymosomes of Lysozyme for Ocular Drug Delivery" was awarded to Dr. Rupa Mazumder, Dr. Swarupanjali Padhi, Dr. Avijit Mazumder, Dr. Rakhi Mishra, Dr. Anjna Rani, Mr. Abhijit Debnath, and Ayushi Kaushik.

A patent titled "Big Data Analytics Server Machine for Cloud Computing" was filed by Dr. Kanika Singhal, Dr. Sandhya Umrao, Dr. Sanjay Kumar, Ms. Harshita, and Ms. Kirti Kushwah, addressing scalable cloud analytics infrastructure.

Workshop on Sales & Negotiation under the NIPUN Initiative

NIET Business School organized a two-day Workshop on Sales & Negotiation on 17–18 November 2025 for the PGDM Batch 2025–27, led by Prof. Mayank Kumar Pandey, Head–PGP. Conducted under the NIPUN initiative, the workshop focused on strengthening students' sales fundamentals, negotiation skills, and overall industry preparedness.

Through case studies, role-plays, and practical exercises, students gained enhanced communication abilities, improved confidence in client interactions, and a stronger understanding of sales strategies and negotiation frameworks.

The workshop proved highly impactful, contributing to students' strategic thinking and readiness for corporate roles, in line with the institution's commitment to developing industry-ready leaders.





Webthon 2025 **Showcasing Creativity through Web Development**

To enhance students' practical skills in modern web development and to showcase that real-life challenges can be addressed through effective web-based solutions, the Department of Computer Science and Engineering (IoT) organized an Activity-Based Learning event, Webthon 2025, on 14 November 2025. The event served as a collaborative platform where students built fully functional websites based on assigned themes. A total of 29 projects were submitted, each demonstrating creativity, technical proficiency, and strong problem-solving skills. Students utilized HTML, CSS, JavaScript, backend technologies, and UI/UX principles to design responsive and user-friendly web applications. The activity promoted innovation, teamwork, and design thinking as students worked together on planning, coding, testing, and presenting their projects. Each team articulated their project's theme, features, challenges faced, and technologies used, enhancing both communication and presentation skills. Following a detailed evaluation, three outstanding teams were declared winners for their creativity, functionality, and technical accuracy. Overall, Webthon 2025 proved to be an engaging, skill-enhancing, and enriching experience for all participants.

Industrial Visit **Priya Gold and Anmol Biscuits**

As part of their industrial tour, the students of IEV 1s and 3rd semesters visited two manufacturing facilities - Priya Gold Biscuits and Anmol Biscuits - to gain practical exposure to large-scale food production and supply chain operations. The visit to Priya Gold Biscuits was conducted on 19 and 20 November 2025, followed by a visit to Anmol Biscuits on 21st November 2025. The visits provided valuable insights into the companies' supply chain management and the complete biscuit production process - from the procurement of raw materials such as maida, flour, chemicals, preservatives, and flavouring agents to the final stages of processing and packaging. Students also gained an understanding of the export procedures, enriching their knowledge of large-scale food manufacturing and global distribution practices.



Workshop on “Investing: Learn, Play & Grow”

The School of Management conducted a workshop on 4 November 2025 for MBA 1st year students, led by Mr. Jay Mehta, Senior Manager-Research, Upstox. The session offered practical insights into market analysis, investment strategies, and stock trading. Through engaging simulations, students enhanced their financial literacy, analytical abilities, and decision-making skills, gaining valuable exposure to real-world investment practices.



IoT Horizon 2.0 Innovation for Sustainable Development

The Department of Computer Science and Engineering (IoT) organized IoT Horizon 2.0, an activity-based learning event held from 6 to 11 November. The hands-on innovation program encouraged students to design and showcase IoT-based solutions aligned with the Sustainable Development Goals (SDGs). The students demonstrated their creativity and technical expertise through real-time project demonstrations. The initiative strengthened their technical, analytical, and presentation skills, supported by expert interactions and thorough project evaluations conducted by a distinguished jury. IoT Horizon 2.0 successfully inspired students to apply IoT technologies toward meaningful, future-ready solutions.





Virtual Lab Session Enhancing Experiential Learning

To bridge the gap between theoretical learning and hands-on understanding, the IoT department on 14 November 2025 organized a Virtual Lab session. This innovative platform provided students with an interactive and flexible environment to perform practical experiments without the limitations of a physical laboratory. The session was chaired by Mr. Shivam Yadav and Ubaid Mushtaq Najar of IIT D. The primary objective of the Virtual Lab initiative was to enable students to conduct experiments anytime, anywhere, encouraging self-paced and independent learning. Using simulation-based tools, students were able to visualize complex concepts, repeat experiments as needed, and gain a deeper understanding of underlying theories. During the session, students explored various course-aligned virtual experiments, actively engaging with real-world scenarios in a digital format. Overall, the Virtual Lab session proved highly effective in strengthening students' technical proficiency, boosting their confidence, and preparing them for advanced laboratory work and industry-oriented applications.

Department of Mathematics & Computing A. Workshop: "Bridging Logic – Importance of DSA in AI & Blockchain" Empowering young minds with practical insights into DSA and its role in AI & Blockchain.

Description: The Department of Mathematics & Computing organized a technical workshop "Bridging Logic" on 7 November 2025 at Block B Lab 104, NIET. Students learned how DSA supports AI and Blockchain through demonstrations and hands-on examples, enhancing logical thinking, coding efficiency, and real-world problem-solving skills.



Industrial Exposure Activities

Real-world exposure to data systems and industrial functioning at NSSTA.

Description:

An industrial visit was conducted on 3 October 2025 to the National Statistical Systems Training Academy, Greater Noida. Students explore organizational workflows, automation tools, and professional practices. The visit provided practical insight into industrial processes, bridging classroom learning with real-time applications, and strengthening career readiness.





Social Outreach Activities

Old Age Home Visit

Spreading warmth, empathy, and compassion through community engagement.

Description:

Students of Mathematics & Computing visited an Old Age Home, Knowledge Park II on 31 October 2025. Through interactions and group activities, students learned about emotional care, respect, and social responsibility. The visit nurtured empathy, communication skills, and meaningful human connections, promoting holistic student development.

The Research Revolution Workshop, organized by the Department of Computer Science with IQAC at NIET, Greater Noida, focused on enhancing research skills and industry relevance. Eminent speakers discussed research importance, article structure, academic profiling platforms, and industry-driven innovation, especially in AI. A hands-on Overleaf session provided practical experience in research paper drafting. The workshop effectively bridged theory and practice, preparing participants for academic and professional research excellence.

An Activity-Based Learning session on Three-Way Handshaking was conducted for B.Tech V semester students on 14 November 2025 in the Computer Networks course. Facilitated by Dr. Divya Singhal, Mr. Apoorv Jain, and Dr. Sangeeta Arora, the session enabled students to practically demonstrate TCP connection establishment, enhancing conceptual clarity and engagement.





Online Workshop on Virtual Labs

The School of Computer Applications, NIET Greater Noida, organized an online workshop on Virtual Labs on 6 September 2025 via Google Meet. Conducted by Mr. Chandan Kumar and Mr. Shani Kumar from IIT Delhi, the session introduced students to ICT-enabled virtual experiments under the Ministry of Education's NMEICT initiative. With strong participation across MCA, BCA, and faculty members, the workshop highlighted experiential learning and reinforced NIET's commitment to integrating innovative digital tools into academic practice.

Online FDTP on AI for Future Workforce

The Department of CSE (AI), NIET Greater Noida, in collaboration with Intel-Lenovo, organized an Online Faculty Development Training Program on "AI for Future Workforce" from 23 September to 3 October 2025. Led by Dr. Aswathy Ravikumar from Intel Digital Readiness, the program focused on Generative AI, Computer Vision, and NLP. The training enhanced faculty expertise, promoted innovative teaching practices, and strengthened industry-academia collaboration to support future-ready education.

Research Methodology & Research Tools Workshop

The CSE Department, NIET Greater Noida, organized a Research Methodology & Research Tools Workshop on 15 September 2025 at Lab 102, D Block, NIET Plot 19. The expert session focused on key research components, including problem identification, literature review, research design, sampling, and ethical practices. Through practical academic examples and interactive discussions, the workshop enhanced faculty research competence, refreshed methodological knowledge, and contributed significantly to strengthening the institute's research culture.





Modern, Vibrant & Ready: NIET's New Campus

NIET's campus 15 is now fully operational! After a comprehensive transformation, the site now boasts of contemporary facilities and designated green spaces designed for excellence.

All of B. Tech. First Year, PGDM courses, and Hostel are running seamlessly, providing a modern, inspiring environment for students, staff, and other stakeholders. It is fast developing into a premier hub of innovation and growth.



NIET Excels at the AKTU State-Level Sports Fest

NIET athletes delivered outstanding performances at the AKTU State Level Sports Fest, displaying exceptional strength, strategy, and sportsmanship. Their hard work and determination resulted in an impressive medal tally:

These achievements reflect NIET's commitment to nurturing not only brilliant minds but also bold spirits who pursue excellence in every field. A heartfelt congratulations to all our athletes for making NIET proud and inspiring others to aim higher, train harder, and dream bigger!

Gold – Basketball (Girls)
Silver – Kabaddi (Girls)
Silver – 4x100 Relay (Girls)
Silver – Badminton (Boys)
Bronze – Javelin (Boys)





NIET Shines at District and AKTU Zonal & State Level Athletic Championships

NIET once again demonstrated its sporting excellence with remarkable performances at the District Annual Athletic Championship held on 9 December 2024 at Knowledge Park III, Greater Noida, organized by the District Athletic Association, Noida. Competing against accomplished district-level athletes from across Uttar Pradesh, NIETians secured 1st position in Long Jump and 3rd position in the 400m Race, reflecting their dedication, discipline, and consistent hard work in athletics.

NIET talented girls' badminton team achieved a remarkable 2nd position at the AKTU Zonals 2025, held on 17 October 2025 at ITS Engineering College. Competing at the university level, the team displayed exceptional skill, determination, and sportsmanship throughout the tournament. The students represented the institute with commendable dedication, bringing pride to NIET. The outstanding performance highlights NIET's commitment to nurturing holistic development, encouraging physical fitness, and fostering team spirit among students.

Continuing this winning momentum, NIET athletes delivered outstanding performances at the AKTU Zonal Level Sports Fest (23-24 October 2024) and the AKTU State Level Sports Fest (12-13 November 2024). The institute clinched 1st position in the 4x100m Relay Race, 2nd position in the 400m Race at the Zonal Level, and 2nd position at the State Level, showcasing exceptional coordination, speed, and determination.

These achievements stand as a testament to rigorous training, strong team spirit, and exemplary sportsmanship, further highlighting NIET's growing prominence and excellence in district- and state-level athletic competitions.





Monthly Momentum: A Note from the Editors

Dear Reader

It is with great pleasure and enthusiasm that we introduce Pulse, the official monthly newsletter of our Institute. Aimed at keeping the NIET family bonded and informed, Pulse will serve as the central heartbeat of our campus, capturing the achievements, innovations, and stories that define our collective journey.

In our debut issue, we bring forth a special edition featuring the highlights from October, November, and December 2025, providing a comprehensive wrap-up of a remarkable final quarter. Starting with the February issue, Pulse will transition to a strictly monthly format. Each edition will focus exclusively on the news and events of the preceding month, ensuring you receive timely and relevant updates.

Pulse reflects our entire Institute, and we want every department to be represented. To ensure your department's milestones, research breakthroughs, or event highlights are featured, please adhere to the following submission guidelines: Respect the deadline: Since we operate on a monthly cycle, all content must be submitted by the last day of the current month. Requirements: Please include both a brief write-up and high-resolution photographs. Format: Submissions must follow the prescribed format (shared on WhatsApp / email in the HoD group).

We hope you enjoy this first glimpse into the life of our Institute. We look forward to many more editions of sharing our progress and celebrating our community.

Best regards
The Editorial Team
Pulse, NIET



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