



NIET
Greater Noida
An Autonomous Institute

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PULSE

MONTHLY NEWSLETTER



AUGUST-2026



Noida Institute of Engineering & Technology, Greater Noida



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Editorial – Celebrating Holistic Excellence



Dear Reader

July was a month of remarkable achievements, global engagement, research excellence, and academic innovation at NIET. Across the campus, students and faculty actively participated in initiatives that strengthened research, fostered industry collaboration, promoted international exposure, and reinforced our commitment to academic excellence.

One of the defining highlights of the month was the outstanding achievement of the NIET Pharmacy Institute, which secured 1st Rank in Uttar Pradesh and 4th Rank at the All-India level in the QCI–PCI Rankings 2026, along with the prestigious 'A' Grade Recognition. Further strengthening our research ecosystem, AKTU designated NIET as a Ph.D. Research Advisory Committee (RAC) Centre. On the global front, students at the School of Management participated in a five-day Global Business and Technology Immersion Programme in Malaysia, while Computer Science students gained valuable industry exposure during the MongoDB Industry Immersion Day in Gurugram.

Research, innovation, and industry engagement remained central to our activities throughout the month. The Department of Data Science organised a capacity-building workshop on research paper writing and patent development and strengthened industry collaboration through an MoU with JorIQ. The Department of Artificial Intelligence hosted TCS Tech Day, bringing together academia and industry through expert talks, an AI Hackathon, and meaningful interactions with industry leaders.

Faculty development continued to receive significant attention through a series of workshops and Faculty Development Programmes on AI-enabled pedagogy, design thinking, ethical hacking, cybersecurity, Java Full Stack Development, Multimodal AI, Agentic AI, and language pedagogy. These initiatives equipped educators with contemporary knowledge and practical skills to enrich classroom teaching and prepare learners for a rapidly evolving technological landscape. Orientation programmes across multiple departments also welcomed second-year students, helping them embark on the new academic session with confidence, purpose, and a clear vision for their professional growth.

As you explore this edition of *Pulse*, we hope these stories reflect the collective efforts of our students, faculty, staff, leadership, and industry partners in creating meaningful opportunities for learning, innovation, and excellence. Thank you for being a part of the NIET community, and we invite you to celebrate another month of inspiring achievements with us.

Best Regards

Editorial Team

Pulse, NIET



Additional Managing Director Addresses ASSOCHAM Education Summit 2026

Dr Neema Agarwal, Additional Managing Director, Noida Institute of Engineering & Technology (NIET), Greater Noida, represented the institute as a distinguished speaker at the 18th National Education Leadership & Skill Development Summit 2026, organised by ASSOCHAM in New Delhi. Held under the theme "Education for Viksit Bharat: Bridging Aspirations with Transformation," the summit brought together education leaders, policymakers, and industry experts to discuss the future of higher education and skill development. Dr. Agarwal shared valuable insights on innovation, industry-academia collaboration, and building future-ready institutions, reaffirming the institute's commitment to excellence in education and learner empowerment.



Director Represents NIET at Zee News' Ideas on Education 2026

On 22 July 2026, Dr Vinod Kapse, Director, Noida Institute of Engineering & Technology (NIET), Greater Noida, represented the institute as a panel speaker at Zee News' Ideas on Education 2026, one of India's premier education conclaves, held at The Lalit, Connaught Place, New Delhi. During the panel discussion on "Skills, Employability & Industry Readiness," he shared valuable insights on preparing future-ready graduates, strengthening industry-academia collaboration, and aligning higher education with the evolving needs of the global workforce. In recognition of his contribution and thought leadership, Dr. Kapse was honoured with a special memento at the event





NIET TBI Inspires Second-Year B.Tech. (IT) Students to Embrace Innovation and Entrepreneurship

As part of the Second-Year B.Tech. (IT) Orientation Programme held on 16 July 2026, Dr Sanjay Kumar, Head, NIET Technology Business Incubator Foundation (NIET TBI), introduced students to the dynamic world of innovation, entrepreneurship, and startups. The session showcased how NIET TBI supports aspiring entrepreneurs through idea validation, incubation, mentorship, funding opportunities, industry collaborations, and startup growth. Students also gained valuable insights into career opportunities within the startup ecosystem, encouraging them to think innovatively and explore entrepreneurship as a rewarding career path.



ADAM Orientation and Farewell Ceremony Celebrates New Beginnings

The School of Mechanical Engineering organised the Orientation Programme for the Advanced Diploma in Automotive Mechatronics (ADAM) Batch 2026–27, along with a Farewell Ceremony for the outgoing ADAM Batch 2025–26, at the Mercedes-Benz Centre of Excellence. The orientation introduced the incoming students to the programme curriculum, hands-on training methodology, industry exposure, and the unique learning opportunities offered through the Centre of Excellence. The farewell ceremony celebrated the achievements of the graduating batch, recognising their academic journey and wishing them success as they embark on their professional careers.





NIET TBI Launches Cohort-1 Programme 2026-27

The NIET Technology Business Incubator (NIET TBI) officially launched its Cohort-1 Programme 2026-27, marking the beginning of a dedicated 12-week incubation journey for innovators and early-stage startups. The programme was inaugurated by Dr Vinod Kapse, Director, NIET, and Dr Sanjay Kumar, Head, NIET TBI. Through structured mentorship, business validation, networking opportunities, investor connect, prototype support, and expert guidance, the programme aims to help aspiring entrepreneurs transform innovative ideas into scalable and impactful ventures.



Strengthening Academic Partnerships with UPES Dehradun



A Memorandum of Understanding (MoU) was signed with UPES Dehradun, marking the beginning of a strategic collaboration to enhance academic excellence and industry readiness. The partnership will focus on twinning programmes, joint research initiatives, faculty development programmes, and student training and skill enhancement. Through this collaboration, both institutions aim to foster innovation, promote knowledge exchange, and create meaningful learning opportunities that prepare students and faculty to thrive in an evolving global landscape.





Recognised as an Incredible Workplace



Noida Institute of Engineering & Technology (NIET), Greater Noida, has been recognised as an Incredible Workplace™ in the Mid-Sized Enterprises category for July 2026–June 2027. This prestigious recognition reflects the institution's commitment to fostering a workplace culture built on excellence, collaboration, innovation, and employee well-being. It stands as a testament to the collective efforts of the faculty, staff, leadership, and the entire NIET community in creating an inspiring and people-centric work environment.

Hands-on Workshop on Review Paper Writing Strengthens Research Skills



The School of Computer Applications, in association with the R&D Cell, organised a Hands-on Workshop on Review Paper Writing to strengthen faculty research capabilities. The workshop provided practical guidance on planning, writing, and publishing high-quality review papers, equipping participants with valuable insights into the research and publication process. The interactive session was conducted by Dr Mangey Ram Nagar, Dean – Research & Development, whose expert guidance made the programme informative, engaging, and highly impactful.



Students Participate in NISM–SEBI National Financial Literacy Quiz 2026

Students of Noida Institute of Engineering & Technology (NIET), Greater Noida, actively participated in the College Round of the NISM–SEBI National Financial Literacy Quiz (NFLQ) 2026, a nationwide initiative aimed at promoting financial awareness and literacy among students. Their enthusiastic participation reflects a commitment to learning beyond the classroom and developing essential financial knowledge and decision-making skills through national-level academic initiatives.



From Ideas to Innovation: Research Paper Writing and Patent Development Workshop



The Department of CSE (Data Science), in collaboration with the Research & Development Cell, NIET Greater Noida, organized a one-day capacity building workshop on "Research Paper Writing and Patent Development: From Idea to Innovation" on 8 July 2026. The workshop was conducted by Prof. (Dr.) Ashish Kumar Chakraverti and Dr. Saurabh Srivastava, who shared expert insights on research methodology, scholarly writing, publication strategies, patent drafting, and innovation management. Faculty members and researchers actively participated in the interactive sessions, gaining practical knowledge on transforming research ideas into quality publications and intellectual property. The workshop reinforced NIET's commitment to fostering a vibrant research culture, innovation, and academic excellence.



NIET Partners with JoralQ to Strengthen Industry-Ready Data Science Education

The Department of Data Science, NIET Greater Noida, signed a Memorandum of Understanding (MoU) with JoralQ (a brand of Analytics Shiksha) on 24 July 2026. The ceremony was attended by Mr. Akshay Tomar and Mr. Anmol Tomar, Co-Founders of Analytics Shiksha & JoralQ, along with NIET leadership.

The collaboration aims to strengthen industry-academia engagement through industry-oriented training, internships, live projects, expert talks, and research initiatives in Data Science, AI, and Analytics. This partnership reflects NIET's commitment to providing students with practical exposure and future-ready skills aligned with industry needs.



Global Learning Beyond Borders: NIET Students Explore Malaysia

The School of Management, Noida Institute of Engineering and Technology (NIET) organized a five-day Global Business and Technology Immersion Programme in Malaysia from 8–12 July 2026, providing students with international academic, industrial, and cultural exposure. Accompanied by Dr. Simran Kaur and Mr. Harsh Awasthi, students attended expert sessions at UCSI University on Digital Transformation and Business Analytics, while Mr. Harsh Awasthi delivered a guest lecture on Design Thinking. The delegation also visited Setel, a leading digital mobility company, and explored Malaysia's iconic cultural landmarks, enriching students' global perspectives and strengthening NIET's commitment to experiential, industry-oriented, and internationally focused education.





TCS Tech Day @ NIET: Bridging Academia and Industry Through Innovation

The Department of Artificial Intelligence at Noida Institute of Engineering & Technology (NIET) hosted TCS Tech Day in June 2026, bringing together students, faculty members, and industry leaders for a day of learning, innovation, and meaningful industry-academia engagement.

The event featured an interaction between TCS leadership and NIET's Directors, Deans, and Heads of Departments, followed by an inspiring address by Mr T. K. Mangalam, who shared valuable insights into emerging industry trends, career opportunities, and TCS's vision for nation-building. Ms Smita Bhandari further enriched the programme through an insightful Tech Talk, while an engaging Fireside Chat with students provided an opportunity for direct interaction and exchange of ideas.

A key highlight of the event was the AI Hackathon, which challenged students to apply their technical knowledge and problem-solving abilities to real-world challenges. The innovative ideas and solutions presented by the participants were evaluated by industry experts, with Mr Rajit Sikka and Mr Amit Khera felicitating the winners in recognition of their creativity and exceptional talent.

The event provided students with valuable exposure to emerging technologies, industry expectations, and practical problem-solving, while strengthening the bridge between academia and industry.



Faculty Enrichment Programme on Cyber Security



NIET Greater Noida organised an LTM Faculty Enrichment Programme on "Introduction to Cyber Security", providing faculty members with an interactive platform to explore key concepts and emerging trends in cybersecurity. The session facilitated meaningful discussions, industry-oriented insights, and knowledge exchange, enhancing participants' understanding of the evolving cybersecurity landscape. The programme reaffirmed the institute's commitment to continuous faculty development and excellence in teaching and learning.





Transforming Classrooms with AI, GenAI, and Active Learning

The Department of CSE-AI, NIET, Greater Noida, organized a five-day Faculty Development Programme (FDP) focused on integrating AI, Generative AI, Android technologies, and active-learning strategies into outcome-based education. The programme was inaugurated by Prof (Dr) Arun Kumar Tripathi, Dean, SoCSET, NIET.

Through expert sessions and hands-on activities, the FDP equipped faculty members with contemporary pedagogical approaches and practical skills to enhance classroom teaching and learning. The sessions were facilitated by Dr Anand Kumar Gupta, Mr Yaduvir Singh, Dr Sarika Agarwal, Mr Vikash Tripathi, and Ms Ku. Monika.



MindShift: Empowering Educators Through Design Thinking



The School of Future Skills, NIET, Greater Noida, in collaboration with the Institution's Innovation Council, organized a five-day Faculty Development Programme on "Human-Centered Design Thinking: Think, Create, Transform" from 20 to 24 July 2026.

Designed exclusively for Design Thinking Educators, the programme focused on equipping faculty members with practical tools and human-centred approaches to foster innovation, creativity, and problem-solving in teaching and learning. The hands-on sessions were facilitated by Dr Manish Kaushik, Mr Harsh Awasthi, Mr Yaduvir Singh, Mr Anurag Verma, and Mr Ratna Raju Ravela.





A New Beginning: Second-Year Students Embark on Their Academic Journey

The second-year Orientation Programme 2026 was organised across various departments at Noida Institute of Engineering and Technology (NIET) to welcome students into the next phase of their academic journey. The programme featured insightful sessions by academic and administrative leaders on experiential learning, strong disciplinary foundations, project-based learning, academic integrity, and professional development.

Students were introduced to their respective academic roadmaps, mentoring and SPOC frameworks, student clubs, international opportunities, and institutional policies. The interactive sessions provided clarity on academic and administrative processes, inspiring students to begin the new academic year with confidence, innovation, and a renewed commitment to excellence.



Building Cybersecurity Expertise: Train the Trainer Programme on Network Security and Cryptography

A five-day Train the Trainer Programme (TTP) on Network Security and Cryptography (NSC) was successfully organized by the Department of Computer Science and Engineering (Cybersecurity), NIET, Greater Noida, from 06 July to 10 July 2026 which was led by Mr Harsh Chauhan and Dr Ahmad Neyaz Khan.





Faculty Development Programme on Ethical Hacking

A five-day Faculty Development Programme (FDP) on Ethical Hacking was successfully organized at NIET, by Mr Deepak Sharma and Mr Harsh Chauhan, Greater Noida from 30 June to 04 July 2026. The objective of the programme was to strengthen participants' knowledge and practical skills in cybersecurity, ethical hacking, vulnerability assessment, and secure computing practices. The sessions combined expert lectures with hands-on laboratory demonstrations, enabling participants to gain exposure to real-world cybersecurity scenarios.



Exploring Drug Discovery Through Cheminformatics



The Department of Biotechnology successfully organized a 10-day Hands-on Workshop on “Cheminformatics and Drug Discovery”, coordinated by Dr Dolly Sharma for third-year B. Tech Biotechnology students from July 13-23, 2026. The workshop provided practical training in cheminformatics, medicinal chemistry, pharmacophore modeling, QSAR, ADME/T prediction, virtual screening, molecular docking, chemical database management, and AI-assisted drug discovery. Through hands-on sessions using industry-relevant tools and real-world datasets, students enhanced their computational, analytical, and research skills, strengthening their readiness for careers in biotechnology and pharmaceutical research.





Alumni Guest Talk: Crafting Taste: Science, Cellars & Fermentation

The Department of Biotechnology, NIET, Greater Noida, organized an Alumni Guest Talk titled "Crafting Taste: Science, Cellars & Fermentation" coordinated by Mr Ramish Maqsood, Assistant Professor, Department of Biotechnology for Biotechnology students. The session was delivered by Mr Satyam Pandey, Junior Mead Maker & Quality Control Specialist at MAEV Meadery/Winery, Lucknow. The talk provided students with valuable industrial exposure to fermentation technology and its applications in the beverage industry. The speaker explained the complete mead production process, emphasizing fermentation control, quality assurance, Good Manufacturing Practices (GMP), and industrial analytical techniques. He also highlighted the practical application of Bioprocess Engineering concepts such as microbial growth, bioreactor operations, process optimization, scale-up, and downstream processing. The interactive session concluded with discussions on career opportunities, internships, and entrepreneurship in fermentation-based industries, successfully bridging academic concepts with real-world industrial practices.



Green Biotech: Students Champion Sustainability Through Innovation



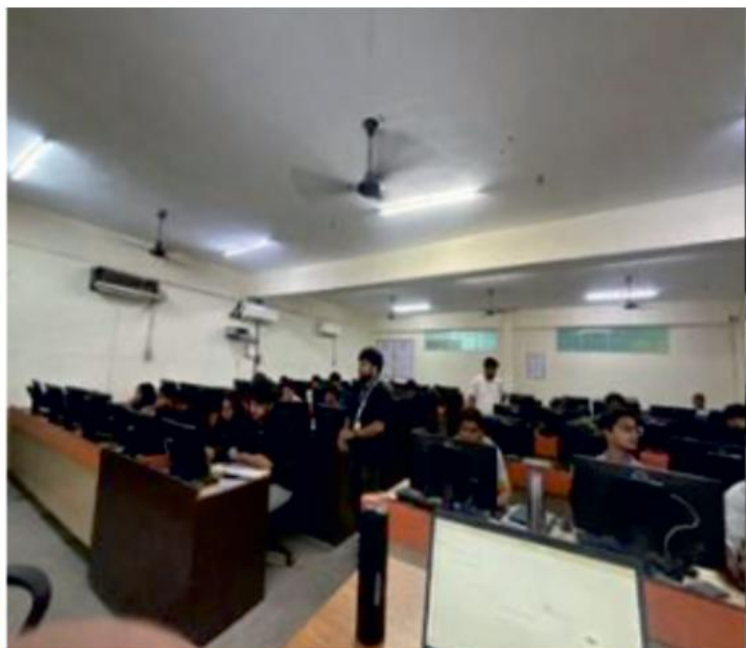
The Department of Biotechnology, NIET, Greater Noida, in association with MBSI, successfully organized the Green Biotech Poster Competition on 31 July 2026 to commemorate World Nature Conservation Day. The event encouraged students to creatively illustrate the role of biotechnology in environmental conservation and sustainable development through handmade posters. The competition showcased innovative ideas, scientific understanding, and artistic excellence while promoting environmental awareness among students.





Designing the Future with Agentic AI

Successfully organized a hands-on workshop on “Agentic AI: Design and Build Autonomous AI Agents” on 24 July 2026, conducted by Mr Vinay Pratap Singh, Assistant Professor. He provided participants with practical exposure to designing and building autonomous AI agents. Coordinated by Mr Mayank Deep Khare, Mr Mushtaq Ahmad Rather, and Mr Amritlal Yadav, the workshop enhanced students' understanding of emerging AI technologies through interactive learning and hands-on activities.



From Classroom to Industry: CSE Students Experience MongoDB Innovation

On 10 July 2026, computer science students participated in the MongoDB Industry Immersion Day hosted at the MongoDB campus in Gurugram. The educational visit, organized under the supervision of Ms Sana Anjum, Assistant Professor (CSE), provided participants with valuable, real-world industry exposure.

During the event, students engaged in hands-on technical sessions conducted by MongoDB experts. The immersion day covered cutting-edge topics including MongoDB Atlas, Vector Search, and AI-powered application development, while also providing students with vital insights into future career opportunities within the tech industry.



Exploring the Frontiers of Multimodal AI

From 6 to 10 July 2026, the Department of Computer Science & Engineering successfully conducted an intensive five-day, hands-on workshop focused on the rapidly evolving field of Multimodal AI. The initiative was spearheaded by Prof Tripti Sharma (Head of CSE/CSR-R/MTech Int./CSE TWIN), Dr Kumod Kumar Gupta (Dy Head of CSE-R), and Ms Garima Jain (Dy Head of CSE).

The workshop featured expert sessions delivered by distinguished speakers from outside the institute, alongside departmental experts including Dr Kumod Kumar Gupta and Dr Preeti Gera (Associate Professor). Faculty members were provided with valuable practical exposure to emerging AI technologies and research-driven applications, exploring advanced topics such as U-Net, Vision Transformers, Retrieval-Augmented Generation (RAG), Agentic AI, and Medical LLMs.



NIET Greater Noida
Noida Institute of Engineering & Technology, Greater Noida
नोएडा अभियांत्रिकी एवं प्रौद्योगिकी संस्थान, ग्रेटर नोएडा
Approved by AICTE, New Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow Uttar Pradesh, India

Affiliation | Accreditations | Ranking

FACULTY DEVELOPMENT PROGRAM (FDP)
HANDS-ON WORKSHOP ON
Multimodal Medical AI:
U-Net, Vision Transformers, RAG, Agentic AI, and Medical LLMs

Organized by
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VENUE: Room 102, D Block | DURATION: 6th July – 10th July, 2026 (9:30 AM – 12:30 PM)

ORGANIZERS

1. Prof. Tripti Sharma
Head of (CSE/CSR-R/
CSE-TWIN/M.TECH(INT.))
2. Dr. Kumod Gupta
Deputy Head of
(CSE-R/CSE-TWIN)
3. Ms. Garima Jain
Deputy Head of CSE

Advancing Software Education Through Java Full Stack Development




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Department of Computer Science and Engineering
Organizes 5 Day Faculty Development Program On:
JAVA FULLSTACK DEVELOPMENT
(Design Patterns, MEAN/MERN FullStack, OOTs using JAVA, Advanced Java Programming)

NIET, GRETAER NOIDA, DEPT. OF CSE, D-BLOCK | 06-10 JULY 2026 | 09:30 AM - 12:30 PM | MODE-OFFLINE

The Department of Computer Science & Engineering successfully organized a comprehensive five-day Faculty Development Programme (FDP) from 6 to 10 July 2026 centered on Java Full Stack Development. The programme was led by Prof Tripti Sharma (Head of CSE/CSR-R/MTech Int./CSE TWIN), Ms Aditee Mattoo (Dy Head of MTech Int.), and Mr Rajat Kumar. The initiative featured expert sessions and rigorous hands-on training delivered by esteemed departmental speakers, including Dr Satya Prakash Sharma, Ms Aditee Mattoo, Mr Rajat Kumar, Dr Ritesh Kumar Singh, Mr Ibrar Ahmed, and Mr Dhruv Talreja. The FDP significantly enhanced the faculty members' technical expertise in modern software development by covering critical topics such as Object-Oriented Programming, Advanced Java, Design Patterns, MEAN/MERN Stack, MongoDB, and DevOps.



NIET Pharmacy Ranked No. 1 in Uttar Pradesh and No. 4 in India

Noida Institute of Engineering and Technology Pharmacy Institute, Greater Noida, has added another landmark achievement to its journey of academic excellence by securing the 1st Rank in Uttar Pradesh and the 4th Rank at the All-India Level in the Quality Council of India (QCI) and Pharmacy Council of India (QCI-PCI) Rankings 2026. The Institute has also been awarded the prestigious 'A' Grade recognition, reaffirming its commitment to quality education, innovation, and excellence in pharmaceutical education.

This remarkable recognition reflects the Institute's consistent efforts in maintaining the highest standards of academic quality, research, infrastructure, faculty excellence, industry collaboration, and student-centric learning practices. The ranking stands as a testament to NIET

Pharmacy Institute's vision of nurturing competent healthcare professionals capable of contributing meaningfully to society and the pharmaceutical industry.



AKTU Designates NIET as a Ph.D. Research Advisory Committee (RAC) Centre

Dr A.P.J. Abdul Kalam Technical University (AKTU) designated the Noida Institute of Engineering and Technology (NIET), Greater Noida, as the Ph.D. Research Advisory Committee (RAC) Center for conducting the Ph.D. research progress report presentations. The RAC proceedings were successfully conducted on 23 and 24 July 2026 under the chairmanship of Dr Avijit Mazumder and Dr Rupa Mazumder. The presentations were evaluated by the Research Advisory Committee (RAC) panel in the presence of the respective Ph.D. supervisors, co-supervisors of the AKTU-registered research scholars, and senior faculty members of the Institute serving as convenors and RAC members. The event ensured a comprehensive review of the scholars' research progress in accordance with the University's academic guidelines.



NAYANTA 2026 Welcomes New PGDM Batch at NIET Business School

NIET Business School, Greater Noida, organised NAYANTA 2026, the Orientation Programme for the newly admitted PGDM Batch 2026–28, on 31 July 2026. The programme introduced students to the institution's academic philosophy, professional culture, support systems, and opportunities for personal and professional development. The orientation featured insightful addresses by institutional leaders and distinguished industry experts from HCLTech, Kotak Mahindra Bank, LTIMindtree, and HR Tek System. The sessions highlighted emerging industry expectations, technology, leadership, entrepreneurship, employability, and the importance of continuous learning. The post-lunch sessions familiarised students with the PGDM curriculum, examination framework, corporate mentorship, placement preparation, internships, student clubs, and institutional policies. The programme marked an inspiring beginning to the students' management education journey.

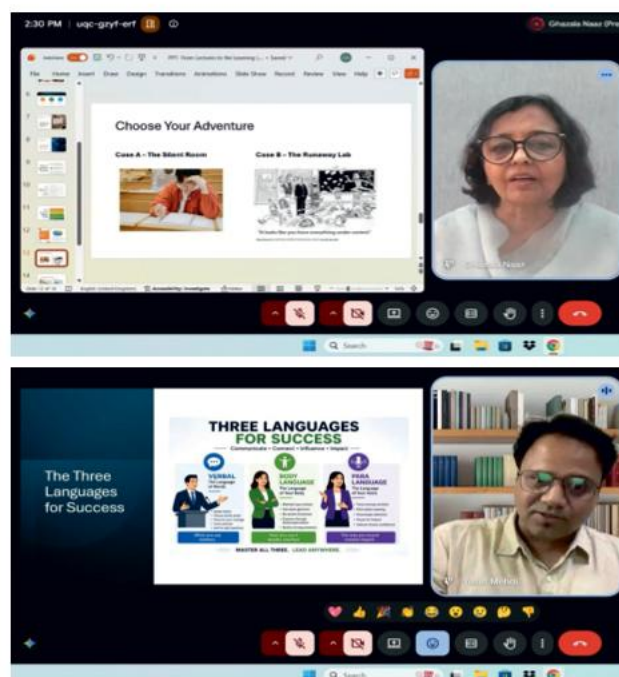
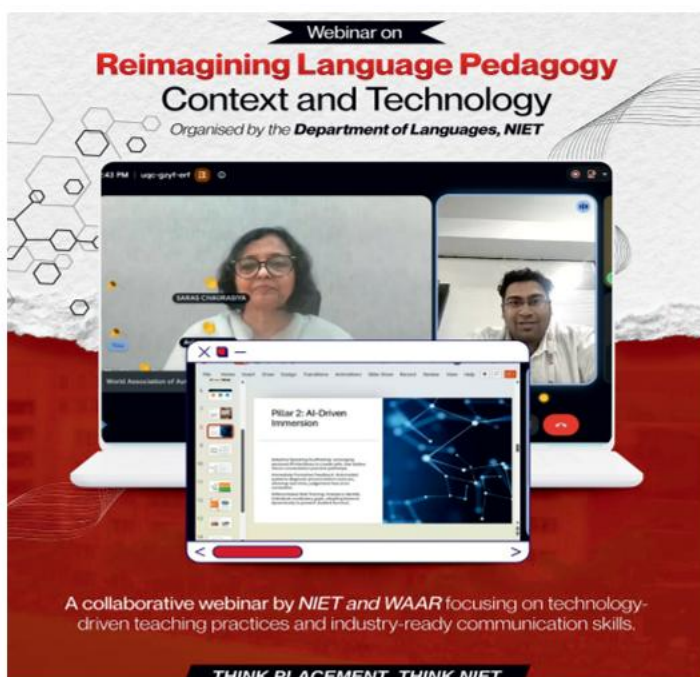




Webinar on Reimagining Language Pedagogy

The Department of Languages, Noida Institute of Engineering and Technology (NIET), Greater Noida, in collaboration with the Greater Noida Chapter of the World Association of Authors and Researchers (WAAR), organised a webinar on “Reimagining Language Pedagogy: Context and Technology” on 4 July 2026 through Google Meet. The event brought together faculty members, students, research scholars, and educators from higher educational institutions across India.

The webinar featured expert sessions by Prof. Ghazala Naaz, Professor and Head, Department of Languages on “From Classrooms to Learning Lab,” and Dr Yusuf Mehdi, Associate Professor and Deputy Head, Department of Languages on “Professional Communication for Job Readiness.” The sessions explored innovative approaches to language pedagogy, AI-enabled learning, and the communication skills required for academic and professional success. The programme concluded with an interactive discussion, providing participants with valuable insights into contemporary language teaching practices and workplace communication.





NIET
Greater Noida
Autonomous Institute

Department of Languages, Noida Institute of Engineering and Technology
Greater Noida
and
The World Association of Authors and Researchers
Greater Noida Chapter



WORLD ASSOCIATION OF AUTHORS AND RESEARCHERS

Organise a webinar on

Reimagining Language Pedagogy: Context and Technology

Resource Persons



Dr Ghazala Naaz
Professor & Head, Department of Languages,
NIET, Greater Noida, UP, 201310
Topic:
From Lectures to Learning Lab



Dr Yusuf Mehdi
Associate Professor & Dy Head,
Department of Languages,
NIET, Greater Noida, UP, 201310
Topic:
Professional Communication
for Job Readiness

Date: 04 July 2026 | **Time:** 01.45 – 03.45 pm | **Venue:** Google Meet

Honouring Academic Distinction: Convocation of NIET Pharmacy's M.Pharm students

The students of M. Pharm (2024-26 batch) of Pharmacology and Pharmaceutics Branch of Noida Institute of Engineering and Technology Pharmacy Institute, Greater Noida, were awarded gold, silver, and bronze medals in the 24th Convocation of Dr. APJ Abdul Kalam Technical University (AKTU), Lucknow. Our students ranked 1st, 2nd, 3 (two students), 4th, and 8 (two students) positions in the merit list of Dr. APJ Abdul Kalam Technical University, Lucknow.





NSS Events

NIET NSS Organises Cleanliness, Plantation, and Compassion Initiatives The National Service Scheme (NSS) Unit of Noida Institute of Engineering and Technology (NIET), Greater Noida, organised a series of impactful activities during July 2026 to promote environmental sustainability, social responsibility, and compassion. The NSS volunteers conducted a Cleanliness Drive to encourage responsible waste management and maintain a clean campus environment. This was followed by a Plantation Drive, during which students planted saplings across the campus to promote environmental conservation and a greener future. In collaboration with the HCL Foundation and MAS Foundation, the NSS Unit also organised a two-day Compassion Advocate Training on 24–25 July 2026 under the theme "Nurturing Compassion: Empowering Communities for Animal Care." The programme sensitised students to animal welfare, empathy, and responsible community engagement, encouraging them to become compassionate advocates for positive social change.





Faculty Achievements



Department of CSE (AI)



Dr Anand K. Gupta
Professor & Head

Served as a Resource Person for the Faculty Development Programme (FDP) on “Artificial Intelligence for Computer Vision and Research Methodology”, organized by the Uttarakhand School of Computing Sciences, Uttarakhand University. The session, titled “The Modern Research Pipeline: Structuring Literature Analysis with AI-Augmented Workflows”, explored the integration of Artificial Intelligence into contemporary research practices. The session highlighted AI-enabled approaches for literature search, synthesis, organization, and the development of structured and reproducible research workflows. Participants were also introduced to research-oriented AI tools such as Consensus, Connected Papers, SciSpace, Napkin AI, ResearchRabbit, Litmaps, Elicit, and Scite.

Successfully completed the three-credit SWAYAM online course on “Generative AI and Large Language Models”, offered by the Indian Institute of Management Bangalore (IIM Bangalore) during the January 2026 semester. He secured an impressive, consolidated score of 92.5% in the proctored examination held on 21 June 2026. The certification reflects his commitment to continuous learning and professional development in the rapidly evolving field of Generative AI and Large Language Models.



Mr Yaduvir Singh
Assistant Professor
& Deputy Head

Department of AIML



Ms Suman Rani
Assistant Professor

Was awarded a Ph.D. degree for her research titled "Automatic Detection and Classification of Knee Osteoarthritis Using Deep Learning Models" in Computer Science & Engineering at Uttarakhand University, Dehradun. Her research focuses on applying advanced deep learning techniques for the early detection and accurate classification of knee osteoarthritis, contributing to the advancement of AI-driven healthcare solutions.

Department of Biotechnology

Was appointed as the State Coordinator (Uttar Pradesh) of the Microbiologists Society for the academic year 2026-27, effective from 1st August 2026. The prestigious appointment recognizes her valuable contributions to the fields of microbiology and biotechnology and her commitment to academic and professional excellence. In her new role, Prof. Mishra will lead and promote the Society's academic, research, and professional initiatives across Uttar Pradesh under the guidance of the State President. Her appointment is a testament to her academic leadership, professional commitment, and continued efforts towards advancing microbiological sciences.



Prof Rashmi Mishra
Professor & Head



Department of CS



Dr Kanika Singhal

Assistant Professor

Dr Kanika Singhal Assistant Professor Dr Singhal was honoured as a Resource Person at HIMT, Greater Noida, during a One-Week FDP on 18 July 2026, where she delivered a session on deep learning-based detection and classification of diabetic retinopathy. These achievements reflect her continued contribution to AI, deep learning, computer vision, and emerging technologies.

Department of DS

Honoured with a Certificate of Appreciation at the International Conference on Computational Intelligence Systems and Devices (ICCISD 2026) for serving as a Session Chair. His contribution to the technical sessions reflects his academic leadership and commitment to promoting collaborative research and knowledge exchange.



Dr Ashish Kr Chakraverty

Professor & Head



Ms Mona Devi

Assistant Professor

Recognized as a Reviewer for the IEEE 2nd International Conference on Computing, Intelligence and Applications (CIACON 2026). Her contribution to evaluating research papers reflects her academic expertise and commitment to maintaining the quality and integrity of the international peer-review process.

Served as a Reviewer for the IEEE 2nd International Conference on Computing, Intelligence and Applications (CIACON 2026). By reviewing research manuscripts submitted by scholars worldwide, he contributed to the conference's rigorous peer-review process and upheld the quality of accepted research publications.



Mr Utkarsh Mishra

Assistant Professor

NIET Institute of Pharmacy



Dr Saumya Das

Professor

Successfully completed the "AI and Cybersecurity Awareness" course under the TCS iON AI for All initiative in partnership with MPIT-CoE and the TCS Foundation. Proud to contribute to the Guinness World Records initiative by enhancing my AI and cybersecurity knowledge.



Felicitated during the Pharmacy Council of India (PCI)-sponsored Faculty Development Programme (FDP) held at Galgotias University on 20th July 2026. The FDP focused on the theme “PCI Regulations, Competency-Based Curriculum, and Best Practices in Pharmacy Education”, emphasizing recent regulatory reforms, outcome-based education, and innovative teaching-learning practices in pharmacy education.



Dr Avijit Mazumder
Director



Dr Rakhi Mishra
Professor

Contributed to Pharmacy's education through the publication of the textbook Pharmaceutical Inorganic and Analytical Chemistry, designed in accordance with the new Pharmacy Council of India (PCI) curriculum for the B.Pharm programme. The book presents inorganic and analytical chemistry concepts in a clear, systematic, and student-friendly manner, serving as a valuable learning resource for pharmacy students.

Department of Languages

Served as a resource person at the 4-Week Summer Internship Programme organised by the Department of English, JSS University, Noida. He delivered expert sessions on “AI-Powered Technical Communication, Innovation & Engineering Leadership: Communicate Ideas, Build Solutions, Lead with Confidence,” highlighting the role of AI-enabled technical communication, innovation, and leadership in preparing engineering students for the evolving demands of the future workplace.



Dr Yusuf Mehdi
Associate Professor & Deputy Head

Department of Mechanical Engineering



Dr Anant Prakash Agrawal
Assistant Professor

Delivered an Eminent Plenary Lecture at the Two-Day Faculty Development Programme on Emerging Trends in Automation, Robotics, and Digital Transformation, organised by Amity University, Greater Noida. His session, “Digital Transformation through Automation, Robotics, Artificial Intelligence, and Smart Manufacturing,” highlighted emerging industrial trends, research opportunities, and practical applications of AI-driven automation and smart manufacturing. The session offered valuable insights into bridging academic research with evolving industrial practices, and was well received by the participants.



Research Highlights



Department of AI



Dr Anand K. Gupta

Professor & Head

Authored a book chapter titled “AI-Driven Decision-Making Tools in Wind Energy” in *Artificial Intelligence in Wind Energy: Transforming Green Energy Generation*, published by Bentham Science Publishers. The chapter offers a comprehensive overview of AI-driven decision-making tools across the wind energy lifecycle, encompassing turbine design, site selection, energy forecasting, grid integration, predictive maintenance, and environmental protection. It highlights how machine learning, deep learning, and geospatial intelligence can enhance data analysis, improve forecasting accuracy, and enable real-time automation in energy management. Drawing on case studies from India, Iran, and Azerbaijan, the chapter demonstrates the practical applications, scalability, and adaptability of AI in diverse renewable energy contexts.

Department of AIML

Published a research paper titled “A Hybrid Image Fusion–Deep Learning Method for Brain Tumor Identification” in the Proceedings of the International Conference on Deep Learning and Visual Artificial Intelligence (ICDLAI 2025), published by Springer Nature. The study presents an innovative hybrid framework that combines image fusion techniques with deep learning models to enhance the accuracy and reliability of brain tumor identification from medical images, contributing to advancements in AI-assisted healthcare diagnostics.

Published a research paper titled “Convergence of Blockchain and Cyber Security: A Systematic Review of Emerging Threats and Advanced Defenses” in the Proceedings of the International Conference on Microelectronics Circuits and Systems (Micro2026), published by ACT Proceedings. The paper presents a comprehensive review of the evolving intersection of blockchain technology and cybersecurity, examining emerging cyber threats, security challenges, and advanced defence strategies for building secure and resilient digital ecosystems.



Dr Sonia Arora

Assistant Professor



Dr Mohammad Shahid

Assistant Professor

Was granted a United Kingdom Registered Design by the Intellectual Property Office (UK) on 28 July 2026 for an “AI-Based Security Device for Cloud Computing.” The registered design protects an innovative AI-enabled security device developed for cloud computing environments, reinforcing secure data processing and advanced cloud security applications through intelligent design and technological innovation.

Ms Sanchi Kaushik

Assistant Professor

Was granted an Indian Patent titled “Intelligent Edge Computing and AI Processing Device” on 15 July 2026. The patented innovation presents an intelligent edge computing device that integrates AI processing capabilities to enable faster, secure, and efficient data processing at the network edge. The invention supports real-time decision-making while reducing latency, enhancing performance for next-generation intelligent computing applications.





Ms Neelam
Assistant Professor

Co-authored a book *Prompt Engineering Mastery: A Hands-On Guide to Crafting Effective AI Instructions – From First Prompt to Production-Ready Systems* with Crownex Publication. The book serves as a practical guide for learners, educators, developers, and AI professionals, offering comprehensive insights into prompt engineering and effective interaction with Generative AI models, from foundational concepts to production-ready AI applications.



Ms Jyoti Rani
Assistant Professor



Ms Suman Rani
Assistant Professor

Published a research paper titled “Optimizing KOA Diagnosis and Classification Using Inception CNN Model” in *Discover Applied Sciences*, a Scopus-indexed journal published by Springer Nature. The study proposes an Inception Convolutional Neural Network (CNN)-based framework for the accurate diagnosis and classification of Knee Osteoarthritis (KOA) from medical images, improving early disease detection and supporting clinicians in timely and reliable treatment planning through AI-driven medical image analysis.

Department of Biotechnology



Dr Chhaya Agarwal
Assistant Professor

Published a paper on “Descriptor-guided Clustering and Structure-based Identification of Raloxifene as a Non-Nucleoside DNMT1 Inhibitor” in the journal *Research Journal of Biotechnology* (Res. J. Biotech.), Volume 21, Issue 9, September 2026 (DOI: 10.25303/219rjbt2210230). This study investigates the imbalance between DNA methyltransferase (DNMT1) and TET demethylase enzymes in breast (TCGA-BRCA) and lung (TCGA-LUAD) cancers using transcriptomic analysis.



Dr Dolly Sharma
Assistant Professor



Dr Narendra Kumar
Professor

Published a research paper titled “DNA Damage and Cytotoxicity Induced by Organochlorine and Organophosphate Pesticides in Rats and the Protective Role of Vitamins” in the journal “*Journal of Environmental Zoology (JEZ)*”, Volume 29, Issue 2 (July 2026), Page 1313. The study evaluated the genotoxic and cytotoxic effects of organochlorine and organophosphate pesticides in male Wistar rats and assessed the protective potential of antioxidant vitamins A, C, and E.

Published another research paper titled “Preliminary Study on the Modulation of Diet-Induced Malnutrition in BALB/c Mice Using a Probiotic Consortium: A Physiological, Biochemical, Histopathological, and Gut Microbiota Evaluation” in the journal *World Journal of Microbiology and Biotechnology*, Volume 42, Article 421 (2026) (SCIE, Impact Factor: 4.7) on 21 July 2026. The study investigates the therapeutic potential of a *Bacillus*-based probiotic consortium in improving protein-energy malnutrition (PEM) in BALB/c mice.



Dr Rashmi Mishra
Professor & Head

Authored a paper titled “Biomarkers for Minimally Invasive Multigrade Liver Cancer Diagnosis Using Integrative Heterogeneous Models and Evolutionary Algorithms” in the journal *Computational Biology and Chemistry* (Elsevier), Volume:124 (2026), Article 109225 (DOI: 10.1016/j.combiolchem.2026.109225). The study presents an AI-based framework for the early diagnosis and classification of liver cancer using blood and urine biomarkers such as β -hCG, PD-L1, and Alpha-Fetoprotein.

Department of Computer Science



Dr Arun Kumar Tripathi
Professor, Head (CS) & Dean (SCSET)

Published a research paper, “In-Silico and Machine Learning-Based Evaluation of Dipeptide Inhibitors Targeting Isoleucyl-tRNA Synthetase in Dermatophytic Fungal Infection,” in *Current Proteomics*, Volume 23, Issue 4 (2026). The study integrates machine learning, molecular docking, and in-silico drug discovery to identify promising peptide-based inhibitors, contributing to computational biology, bioinformatics, and AI-driven drug discovery.



Mr Apoorv Jain
Assistant Professor



Dr Kanika Singhal
Assistant Professor

Authored the following three book chapters in the *CRC Press volume Sustainable Developments in Computer Engineering, Green Technology and Smart Systems (Volume 2)*, covering intelligent job matching, movie recommendation systems, and face recognition-based attendance systems.

“Intelligent Job Matching System: A Hybrid Approach Combining Machine Learning and Semantic Analysis for Enhanced Career Portal Efficiency”

“Crystal Edge Graph Attention-Driven Content-Based Movie Recommendation System”

“Face Recognition-Based Portable Attendance System with Liveness Detection”

Published a research paper titled “A Deep Neural Network Framework for Automated Crime Detection and Video Summarization,” in *International Journal of Computer Information Systems and Industrial Management Applications (IJCISIMA)*, Volume 18(7), 2026, Pages 237–247. This work presents a unified deep learning framework that integrates automated crime (anomaly) detection with intelligent video summarization for surveillance systems.

Published the book chapter, “Introduction to CPS 2.0 and Security Landscape,” in *Security in CPS 2.0: Technologies, Challenges, and Future Directions* (Volume 6, June 2026). The chapter examines the evolution of Cyber-Physical Systems (CPS 2.0) and emerging security challenges in intelligent interconnected environments, with a focus on Digital Twins, IoT, Edge Computing, Artificial Intelligence, Cyber Security, and Data Privacy.



Ms Pooja Sharma
Assistant Professor



Department of CSBS



Dr Deepti Gupta

Professor & Head

Presented a research paper titled "Fine-Grained Military Aircraft Identification via EfficientNet-B3 Enhanced with Attention-Driven Feature Representation Learning Techniques" at the IEEE Conference on Computer Mechatronics, Robotics and Artificial Intelligence, organized by Marathwada Mitramandal's Institute of Technology in association with IEEE. The research showcases innovative advancements in artificial intelligence and advanced computing technologies, contributing to highly specialized identification systems using attention-driven feature representation.



Ms Bandana Kumari

Assistant Professor

Presented a research paper titled "Lightweight Dual-Branch CNN-ViT Network for High Accuracy Weather Classification" at the IEEE Conference on Computer Mechatronics, Robotics and Artificial Intelligence, organized by Marathwada Mitramandal's Institute of Technology in association with IEEE. The research highlights innovative advancements in artificial intelligence and deep learning technologies, providing a highly accurate and lightweight architectural approach to modern weather classification.

Department of CSE



Mr Ibrar Ahmed

Assistant Professor



Dr Mohd. Nazim

Assistant Professor



Dr Preeti Gera

Associate Professor

Co-authored a Scopus-indexed book chapter titled "The Future of Green AI in Global Hazard Detection Systems" in Springer Nature's *Sustainable AI Techniques for Real-Time Risk Monitoring* on 15 July 2026. The study explores the integration of eco-friendly artificial intelligence methodologies for global hazard detection, contributing to sustainable real-time risk monitoring and environmental safety.



Dr Amrita Bhatnagar

Assistant Professor

Published a research article titled "A Deep Neural Network Framework for Automated Crime Detection and Video Summarization" in the *International Journal of Computer Information Systems and Industrial Management Applications*, Volume 18, No. 7s (Scopus Indexed) on 12 July 2026. The research presents an advanced deep neural network framework for the automated detection of criminal activities from surveillance videos while simultaneously generating concise video summaries.



Mr Ibrar Ahmed

Assistant Professor

Co-authored three book chapters titled "Attacks on Critical CPS Infrastructure," "Security Frameworks and Architectures," and "Privacy, Trust, and Data Security in CPS" in the edited volume *Security in CPS 2.0: Technologies, Challenges, and Future Directions (V6B82)* on 1 July 2026. This comprehensive contribution addresses the critical vulnerabilities in modern cyber-physical systems (CPS), presenting robust security architectures and strategies to ensure data protection and trust in next-generation infrastructure.



Dr Mohd. Nazim

Assistant Professor

Authored a book chapter titled "Policy-Driven Intent-Based Networking in SDN-Enabled IoT: A Paradigm Shift in Autonomous Network Management" in Springer's *Studies in Big Data series* (Vol. 195) on 18 July 2026. The chapter explores advanced autonomous network management strategies, focusing on the integration of Software-Defined Networking (SDN) and the Internet of Things (IoT) to enable efficient, policy-driven infrastructure.



Ms Swati Vishnoi

Assistant Professor



Ms Anuradha Singh

Assistant Professor

Registered a design titled "Smart Cancer Risk Prediction and Healthcare Support Device" under Class 24-01 of the Design Registration Act on 23 July 2026. The registered design protects the novel visual appearance and structural configuration of the device, recognizing its originality and innovation in advanced healthcare support and risk prediction.



Ms Sana Anjum

Assistant Professor



Mr Ibrar Ahmed

Assistant Professor

Registered two designs with the Patent Office, Government of India, under the Designs Act, 2000. The first design, titled "AI Wireless Payment Device" (Design Registration No. 497631-001), was officially registered on 4 July 2026. The second design, titled "IoT-Enhanced Supply Chain Management System" (Design Registration No. 426270-001), was registered on 7 July 2026. Both registrations protect the novel visual appearances and structural configurations of the respective technologies, recognizing their originality and innovation.



Department of Cybersecurity



Dr Rashmi Sharma

Professor & Head

Published a research paper, "AI-Powered Waste Classification and Recycling Optimisation: Advancing Sustainable Waste Management", in the 2026 International Conference on Intelligent Computing and Automation for Sustainable Solutions (ICASS 2026). This work explores the application of Artificial Intelligence to enhance waste classification accuracy and optimize recycling processes, contributing toward more efficient and sustainable waste management practices. The research highlights how intelligent computing and automation can support environmental sustainability and the development of smarter waste management ecosystems.

Department of Data Science

Published a research paper titled "Artificial Intelligence in Business and Industry: Applications, Challenges and Future Directions" in *The Future of Engineering Innovation: Smart Technologies and Advanced Design* (July 2026). The publication examines the transformative role of Artificial Intelligence across business and industrial sectors, highlighting its applications, implementation challenges, and emerging trends such as generative AI, explainable AI, and human-AI collaboration.



Mr Pawan Kumar Singh

Assistant Professor



Ms Mona Devi

Assistant Professor

Published a research paper titled "MentalBERT-Based Depression Detection with Cross-Lingual Evaluation on Hinglish Text" in the *International Journal of Science and Innovative Engineering & Technology* on 26 July 2026. The study presents an AI-based approach for detecting depression in multilingual Hinglish text, demonstrating the potential of advanced language models in mental healthcare and cross-lingual natural language processing.

Ms Chanchal Garg

Assistant Professor

Published a research paper titled "Artificial Intelligence Applications for Early Disease Detection in Healthcare Systems" in the Scopus Q3-indexed International Journal of Drug Delivery Technology on 24 July 2026. The paper reviews the application of Artificial Intelligence, Machine Learning, and Deep Learning techniques for early disease diagnosis, highlighting their potential to improve healthcare outcomes through accurate and timely detection.



Dr Saurabh Srivastava

Assistant Professor

Published a research paper titled "Artificial Intelligence-Guided and First-Principles Design and Optimization of Rb_2YAgX_6 ($X = \text{F}, \text{Cl}$) Double Perovskite Photodetectors" in Scientific Reports (SCIE-Q1) on 2 July 2026. The research combines artificial intelligence with computational materials science to design and optimize advanced photodetector materials for next-generation optoelectronic applications.

Published an Indian Patent titled "Machine Learning Based System for Optimization of Biodigestive Device Performance" on 10 July 2026. The patented innovation leverages machine learning techniques to optimize biodigestive device performance, demonstrating interdisciplinary research that advances sustainable engineering and intelligent technology solutions.



Department of ECE



Ms Neha

Assistant Professor & Deputy Head

Co-authored a book titled “Machine Learning: Principles and Techniques.” The book provides a comprehensive introduction to the fundamental concepts, principles, and techniques of machine learning, covering key algorithms, models, and practical applications. It serves as a valuable resource for students, researchers, and professionals seeking to understand machine learning methodologies and their role in solving real-world problems across diverse domains.



Mr Himanshu Yadav

Assistant Professor



Ms Kanika Jindal

Assistant Professor



Mr Ashutosh Kumar Singh

Assistant Professor



Mr Vivek Kumar Kushwah

Student

Published a research paper titled “Low Power Optimization of Hybrid Logic Full Adder Design Using FinFET Technology for High-Speed Arithmetic Circuits” in the International Journal of Computer Information Systems and Industrial Management Applications. The research presents a low-power hybrid logic full adder design based on FinFET technology to enhance the performance of high-speed arithmetic circuits. The study focuses on reducing power consumption while improving computational efficiency, demonstrating the potential of FinFET-based circuit designs for next-generation low-power and high-performance digital systems.

First Year Campus

Authored a book titled “Cryptography and Cyber Security” (ISBN: 978-81-69635-01-1), published by Veritaz International Press in July 2026. The book provides a comprehensive overview of the principles and applications of cryptography and cybersecurity, focusing on techniques for protecting digital information through encryption and advanced security mechanisms. It explores strategies for preventing cyber threats, securing communication, safeguarding data privacy and integrity, and strengthening organizational resilience against unauthorized access and cyberattacks.

Published a research paper titled “Energy-Efficient Tiny ML Framework for Real-Time Anomaly Detection in Embedded Electronic Devices” in the IEEE conference proceedings of the 2nd International Conference on Next Generation Electronics (NELEX) 2026, indexed in IEEE Xplore (Scopus), on 13 July 2026. The research presents an energy-efficient TinyML framework for real-time anomaly detection in embedded electronic devices, enabling intelligent monitoring with minimal computational and power requirements. The study highlights the potential of lightweight machine learning models to enhance the reliability, security, and operational efficiency of resource-constrained embedded systems in next-generation electronic applications.



Dr Fahim Khan

Assistant Professor



Dr Anurag Tyagi

Assistant Professor

Secured an Indian patent titled “Facet-Preserved Photocatalytic Reactor System” (Application No. 202611056752A), published on 17 July 2026. The patent discloses a controlled synthesis approach for producing zinc oxide (ZnO) nanoparticles with selectively exposed crystal facets to enhance photocatalytic performance under sunlight. The invention optimizes synthesis parameters to obtain facet-dominant ZnO morphologies and incorporates an optional facet-preserving post-treatment to improve dye adsorption, charge separation, and pollutant degradation. The technology offers an efficient and cost-effective solution for environmental remediation without the use of expensive dopants or noble metals.

Department of Internet of Things



Dr. Mamta Chauhan

Assistant Professor



Mr Mayank Deep Khare

Assistant Professor



Ms Neha Bhati

Assistant Professor

Presented a research paper titled “Convergence of Blockchain and Cybersecurity: A Systematic Review of Emerging Threats and Advanced Defenses” at the 13th International Conference on Microelectronics, Circuits and Systems (MICRO 2026) and published in the Proceedings of Micro2026 with ISBN 978-81-985770-0-9, published by Applied Computer Technology (ACT).



Dr Ankur Sisodia

Assistant Professor

Co-authored and published a book chapter titled “Sensors-to-Synthesis: Edge AI and IoT for Generative Visual Systems” in the Wiley publication *AI-Generated Image and Video Synthesis: Deep Learning Models, Applications, and Ethical Implications in Visual Media Creation*. The chapter explores the integration of Edge Artificial Intelligence (Edge AI), the Internet of Things (IoT), and Generative AI to develop intelligent visual systems capable of real-time sensing, efficient data processing, and AI-driven content generation. It also discusses the opportunities, challenges, and ethical considerations associated with next-generation visual media technologies. This publication reflects the institute's commitment to advancing research and innovation in Artificial Intelligence, IoT, and emerging digital technologies.



Mr Mayank Deep Khare

Assistant Professor



Mr Steven David

Assistant Professor

Co-authored the book chapter “Introduction to CPS 2.0 and Security Landscape” in *Security in CPS 2.0: Technologies, Challenges, and Future Directions (V6B82)*, published by Iterative International Publishers (IIP). This paper is about Cyber-Physical Systems (CPS) 2.0 that integrates AI, IoT, and cloud technologies to build intelligent systems. It explains CPS architecture, security challenges, and real-world applications.



Mr Mushtaq Ahmad Rather

Assistant Professor



Mr Mushtaq Ahmad Rather

Assistant Professor

Presented and published a research paper titled “From Traditional to Intelligent: A Comprehensive Study of IoT Integration in Modern Libraries” at the *International Conference on Libraries and Emerging Technologies for Smart Knowledge Ecosystems* (ICLET 2025). The paper was published in the conference proceedings with ISBN: 978-81-978690-0-6. The paper examines how IoT is transforming libraries through technologies such as RFID, sensors, and cloud computing. It highlights improvements in automation, resource management, security, and user services.

Department of Information of Technology

Published a book titled “Prompt Engineering Mastery: A Hands-On Guide to Crafting Effective AI Instructions – From First Prompt to Production-Ready Systems” (ISBN: 978-81-688624-8-7) on 12 July 2026. The book provides a practical introduction to prompt engineering, offering hands-on guidance, real-world examples, and effective strategies for developing intelligent applications using Generative AI. It serves as a comprehensive resource for students, educators, researchers, and professionals, equipping them with the knowledge and skills required to design effective AI prompts and build production-ready artificial intelligence solutions.



Mr Shravan Kr Yadav

Assistant Professor



Dr Ritesh Rastogi

Professor & Head

Authored a book titled “Advanced Computer Science Engineering for Intelligent Systems, Software Innovation and Digital Transformation” (ISBN: 978-9378371554), published by Book Rivers on 13 July 2026. The book explores emerging advancements in intelligent systems, software innovation, and digital transformation, highlighting contemporary developments in computer science and engineering. It serves as a valuable resource for students, researchers, academicians, and industry professionals, offering insights into the technologies shaping the future of intelligent computing and digital innovation.

Authored two book chapters titled “Security in CPS 2.0: Technologies, Challenges, and Future Directions” and “Privacy, Trust, and Data Security in CPS” in the book *Security in CPS 2.0: Technologies, Challenges, and Future Directions*. The chapters examine the evolving security, privacy, and trust challenges associated with Cyber-Physical Systems (CPS) 2.0, driven by technologies such as Artificial Intelligence, the Internet of Things, edge computing, and cloud computing. They highlight the need for integrated, multi-layered security frameworks that address real-time constraints, system heterogeneity, data privacy, trust management, and secure communication to strengthen the resilience and reliability of next-generation cyber-physical systems.



Mr Abdul Khalid

Assistant Professor



Ms Shalini Shrotriya

Assistant Professor

Published a patent titled “Data Processing Device for Machine Learning Operations” (Design No. 501498-001) on 10 May 2026. The patent discloses an innovative data processing device designed to support machine learning and artificial intelligence-based computational tasks. The registered design features an optimized external configuration for modern computing environments while facilitating advanced data processing workflows, protecting the product's visual appearance and commercial identity under the Designs Act, 2000.

Authored a book chapter titled “Generative AI in Healthcare” (Chapter 7) in the book *Artificial Intelligence Methods and Applications Enabling Healthcare 5.0* (ISBN: 9781032848020). The chapter explores the application of Generative AI in healthcare, highlighting its role in intelligent diagnosis, personalized treatment, medical image analysis, and drug discovery. It also discusses the integration of generative AI into healthcare systems, addressing ethical considerations, implementation challenges, and future opportunities for advancing clinical decision-making and patient care.

Served as an Editor of the book “Automating Intelligence with Cloud-Native AI Tools” (ISBN: 9798337374420; eISBN: 9798337374444). The book explores the transformative potential of artificial intelligence and cloud-native technologies in developing intelligent, scalable, and innovative digital solutions. It brings together diverse contributions on emerging AI-driven methodologies and cloud-based architectures, providing valuable insights for researchers, academicians, and technology professionals.



Ms Bhawana

Assistant Professor

Department of Languages



Ms Anjali Devi

Assistant Professor

Authored a book chapter titled “Women on Trial: Courtroom Drama, Gendered Pain, and Justice in Indian OTT” in the book *Law and Fiction: Media Narratives versus Legal Realities* (ISBN: 978-93-7631-075-3), published by White Falcon Publishing, Chandigarh, India. The chapter examines the representation of gender, justice, and women's experiences in Indian OTT courtroom dramas, exploring how media narratives intersect with legal realities. It highlights the role of digital storytelling in shaping public perceptions of gendered violence, judicial processes, and the pursuit of justice within contemporary Indian society.

Presented a research paper titled “Thrill, Suspense and Mysteries: A Comparative Study of Select Novels of Novoneel Chakraborty and Sir Arthur Conan Doyle” at a seminar held at Meerut College, Meerut, on 31 July 2026. The paper presents a comparative analysis of selected works by Novoneel Chakraborty and Sir Arthur Conan Doyle, examining their use of thrill, suspense, mystery, and narrative techniques in crime and mystery fiction.



Ms Hina Koser

Assistant Professor



Department of Mechanical Engineering

Published research paper, "Microstructural Evolution and Particle Dispersion in FSAM-Processed AA7075/ZrO₂/Gr Composites Using a Tapered Octagonal Tool," in *Progress in Additive Manufacturing*. The paper is in an ESCI-indexed Q1 journal with an Impact Factor of 5.4, marking a significant contribution to research in advanced manufacturing and materials engineering.



Dr Abdhesh Kumar

Assistant Professor



Dr Anand Kushwah

Assistant Professor

Published two research papers, these publications highlight his contribution to sustainable energy, thermal management, and advanced energy storage research:

Paper titled "Performance Evaluation of a Cabinet Solar Drying System Integrated with Graphene Nanoplatelet-Based Phase Change Materials," has been published in *Materials Letters* (Elsevier), SCIE-indexed journal with an Impact Factor of 2.6.

Paper titled "Hybrid Solar-PCM Energy Storage Systems: Design Optimization, Thermal Management, Performance Benchmarking, and Techno-Economic Perspectives," has been published in *Results in Engineering* (Elsevier), a Web of Science-indexed journal with an Impact Factor of 9.6.



Dr Anant Prakash Agrawal

Assistant Professor

Published research papers in SCIE-indexed Q1 journals:

"Physics-Informed Machine Learning for Turbulent Combustion in Aerospace Propulsion: Bridging Physical Rigour and Data Intelligence," in *Engineering Applications of Computational Fluid Mechanics* (Taylor & Francis; Impact Factor: 6.2).

"Tribological Performance and Machine Learning-Assisted Prediction of Wear and Friction in DGun Sprayed WC-12Co and Al₂O₃-TiO₂ Coatings," appeared in the *Journal of Thermal Spray Technology* (Springer; Impact Factor: 3.4).

NIET Pharmacy Institute



Dr Avijit Mazumder

Director



Dr Saumya Das

Professor



Ms Shagun Pathania

Student

Co-authored a research article entitled "Unraveling the Pharmacognostic and Mechanistic Landscape of *Bombax ceiba* L.: Exploring its Phytoconstituents and Therapeutic Potentials", published in the *Journal of Natural Remedies*. The findings validated that there is a correlation between conventional uses and modulation of the NF- κ B, Nrf2, MAPK, and AMPK pathways. Consequently, it seems to be a good lead candidate for more phytopharmaceutical preparations.



Dr Rupa Mazumder

Dean



Dr Anjna Rani

Associate Professor



Dr Rakhi Mishra

Professor



Ms Megha Rani

Student

Published a review article titled “Fabrication of Curcumin-loaded Olanosomes for Intracorneal Permeation Enhancement” in the Journal of Natural Remedies. The research article successfully optimized Curcumin-loaded olanosomes using the ethanol injection method and a Central Composite Design (CCD) to overcome curcumin's poor solubility, low bioavailability, and inadequate corneal penetration. The optimized formulation exhibited a vesicle size of 430 ± 1.06 nm and a polydispersity index (PDI) of 0.41 ± 0.03 . These findings underscore the potential of olanosomes as a promising nanovesicular platform for sustained and targeted ocular drug delivery.



Dr Saumya Das

Professor



Dr Avijit Mazumder

Director



Ms Ayushi Goel

Student

Published a review article titled “Mechanistic Pathways and Bidirectional Relationship between Diabetes Mellitus and Anxiety” in the Current Psychiatry Research and Reviews Journal. The review outlines essential features for analyzing the intricate link between diabetes and anxiety, focusing on incidence, shared underlying mechanisms, and highlighting potential novel biomarkers and therapeutic targets implicated in both conditions. The published paper aims to provide insights into effective management strategies and identify research gaps to enhance understanding and care for individuals affected by both diseases, thereby guiding future investigations.



Dr Saumya Das

Professor



Dr Avijit Mazumder

Director



Mr Tushar Chaudhary

Student



Ms Shruti Aggarwal

Student

Published a review article titled “Integrative Insights into Cancer Progression: Molecular Mechanisms, Epigenetic Regulation, and Emerging Therapeutic Targets” in the Current Psychiatry Research and Reviews. The review outlines essential features for analyzing the intricate link between diabetes and anxiety, focusing on incidence and shared underlying mechanisms and highlighting potential novel biomarkers and therapeutic targets implicated in both conditions. The manuscript aims to provide insights into effective management strategies and identify research gaps to enhance understanding and care for individuals affected by both diseases, thereby guiding future investigations.



Dr Sushma Verma
Professor

Published a review article titled "Rheumatoid Arthritis: Current Perspective, Etiology, Signaling Pathway, Diagnosis & Assessment & ongoing Clinical Trials" in the Current Signal Transduction Therapy Journal. The review outlines that conventional synthetic DMARDs, particularly methotrexate, remain the cornerstone of therapy, while biologic targeted synthetic DMARDs have improved outcomes for patients with inadequate response to standard treatment, advancing prevention and personalized care.



Mr Priyam Kumar
Student



Dr Monika
Associate Professor



Dr Rupa Mazumder
Dean



Dr Avijit Mazumder
Director



Mr Manish Singh
Student



Mr Rishikesh Singh
Student

Published a review article titled "Formulation and Evaluation of pH and Enzyme-Responsive In-situ Gel Drug Delivery System using Bio-responsive Polymers for Sulfasalazine in the Treatment of Inflammatory Bowel Disease: A Molecular Docking-Based Lead Optimization Approach" in the International Journal of Drug Delivery Technology. This study successfully established a viable colon-targeted drug delivery system by identifying Sulfasalazine (SSZ) as the optimal lead drug candidate, which demonstrated a strong binding affinity to COX-2 ($\Delta G = -9.850$ kcal/mol) and TNF- α through molecular docking.



Dr Monika
Associate Professor



Dr Rupa Mazumder
Dean



Dr Avijit Mazumder
Director



Dr Chandana Majee
Associate Professor



Dr Swarupanjali Padhi
Associate Professor



Dr Saumya Das
Professor



Mr Rishikesh Singh
Student



Mr Manish Singh
Student

Published a review article entitled "Chronic Inflammation (A Silent Killer) – Molecular Mechanisms and Emerging Therapeutic Approaches" in the Current Drug Targets journal. The key finding is chronic inflammation is a persistent immune response driven by cytokines and oxidative stress that underlies serious conditions like cancer, diabetes, and heart disease.

While advanced diagnostics enable earlier detection, effective long-term treatments remain limited, making lifestyle habits like anti-inflammatory diets and regular physical activity crucial. Ultimately, managing this complex process requires combining emerging targeted therapies and microbiome interventions with personalized medicine and cross-disciplinary healthcare strategies.



Dr Monika

Associate Professor



Dr Rupa Mazumder

Dean



Ms Preeti Jaiswal

Student

Published a review article entitled "Advanced Transdermal Systems for Non-Invasive Delivery of GLP-1 Agonists in Treatment of Diabetes" in the Current Chemical Biology journal. The key findings are Novel TDP systems represent a patient-centered strategy for GLP-1 receptor agonist administration in diabetes care. By combining smart materials, permeation enhancers, and wearable technologies, they hold the potential to improve glycemic control, adherence, and overall quality of life.



Dr Chandana Majee

Associate Professor



Dr Rupa Mazumder

Dean



Dr Salahuddin

Professor



Dr Swarupanjali Padhi

Associate Professor



Mr Yugal Gupta

Student

Published a research paper entitled "Recent Advances in Sulfur-Containing Heterocyclic Compounds: Synthesis, Structural Classification, and Biological Activities: A Comprehensive Review" in the International Journal of Drug Delivery Technology. According to this research paper the Sulfur-containing heterocycles represent a highly significant class of pharmaceuticals, with their share among FDA-approved medicines doubling from 10% to 20% between 2020 and 2024. Sulfur's unique chemical properties, specifically its ability to exist in multiple oxidation states and form diverse types of bonds, allow it to improve drug stability, enhance solubility, and positively influence both pharmacokinetics and pharmacodynamics. This comprehensive 2026 review systematically organizes these compounds by ring size (such as 5-membered, 6-membered, and fused bicyclic rings) and highlights both traditional synthetic routes (like Hantzsch thiazole and Gewald reactions) and modern green, microwave-assisted, and transition metal-catalyzed processes utilized between 2019 and 2024 plants.



Dr Priyanka Bansal

Assistant Professor



Ms Bhavani Pentela

Assistant Professor



Dr Avijit Mazumder

Director



Ms Anjali Pandey

Student

Published a research paper entitled "Phytochemical Profiling and Pharmacological Activities of *Abutilon ramosum* in Chronic Disease Management: A Comprehensive Review" in the Journal of Natural Remedies. The present manuscript is an illustrative review based on literature concerning the phytochemical composition and pharmacological activities of *A. ramosum*, along with its ethnomedicinal significance and comparison with closely related species. The article illustrates that the future research should focus on bioassay-guided isolation, network pharmacology approaches, advanced in vivo studies, and clinical trials for the development of standardised extracts in the management of chronic diseases.



Dr Saumya Das

Professor



Dr Rupa Mazumder

Dean



Dr Avijit Mazumder

Director

Co-authored a book chapter titled “Ethnopharmacological, Phytochemical, and Toxicological Characteristics of Dactylorhiza hatagirea: A Synoptic Overview” published in the book Advanced Manufacturing Technologies in Biomedical Science. The chapter provides a comprehensive review of Dactylorhiza hatagirea, highlighting its ethnopharmacological significance, phytochemical profile, therapeutic potential, and toxicological aspects.



Ms Kavita Rana

Assistant Professor

Co-authored a book chapter entitled “Structure–Activity Relationship and Molecular Optimization of Antidiabetic Agents for Metabolic Syndrome: Recent Insights” in a book titled Emerging Trends in Pharmaceutical Sciences: From Drug Discovery to Personalized Therapeutics.



Dr Salahuddin

Professor



Dr Rupa Mazumder

Dean



Mr Anmol Dogra

Assistant Professor



Ms Arpita Dua

Assistant Professor



Dr Abhijit Debnath

Assistant Professor



Dr Anjna Rani

Associate Professor



Dr Avijit Mazumder

Director



Dr Sushma Verma

Professor



Dr Chandana Majee

Associate Professor



Dr Swarupanjali Padhi

Associate Professor



Ms Pakhi Chakraborty

Assistant Professor

have been granted an Indian Patent for their invention titled “Transferosomes-Loaded Antidiabetic Transdermal Patch Composition for Type II Diabetes and a Process for Preparation Thereof” by the Government of India (Patent No. 595837) on 17 July 2026. This patent presents a novel transferosomes-loaded antidiabetic transdermal patch for the management of Type II diabetes. The invention enhances drug delivery through the skin, improving bioavailability while minimizing the need for frequent oral dosing. It offers a non-invasive, patient-friendly alternative with the potential for sustained and controlled drug release.



Students Achievements



Ms Saloni Tiwari

B.Tech. (ECE) students, have been selected for the prestigious ISRO Internship Programme. Their achievement reflects their dedication, academic excellence, and passion for innovation. The internship offers them a valuable opportunity to gain hands-on experience at one of India's premier space research organisations, further strengthening their technical knowledge and professional skills



Ms Kritika Tiwari



Mr Sahil Saw



Mr Mohd Riyaan



Mr Srijan Pathak

Students of the B.Tech. **Information Technology** programme have achieved remarkable placement success, reflecting their technical competence and industry readiness. Sahil Saw secured a placement at LambdaTest with an annual package of ₹27.5 LPA, while Rudra was placed at LambdaTest with a package of ₹19 LPA. Mohd. Riyaan and Srijan Pathak secured placements at Juspay, each with an annual package of ₹11 LPA. Their achievements are a testament to their dedication, academic excellence, and the strong industry-oriented learning environment at the institute.



Mr Vidhyansh Rajput

2nd Year, B.Tech. **CSE – AIML** has been selected as an Official AWS Student Builder Group Leader at Noida Institute of Engineering and Technology (NIET). In this prestigious role, he will lead initiatives to promote cloud computing, organize technical learning sessions, and foster awareness of Amazon Web Services (AWS) among students. His selection reflects his leadership potential, technical enthusiasm, and commitment to advancing cloud technology education within the academic community. The CSE (AI & ML) Department congratulates Vidhyansh on this remarkable achievement and wishes him continued success in his future endeavours.



Department Coordinators



S. No.	Department	Faculty Coordinators	Student Coordinators
1	AI	Mr Yaduvir Singh	Aditya Raj Srivastava (III Year)
2	AIML	Dr Sonia Arora	Chhavi Singh (III Year)
3	BT	Dr Richa Mittal	Subhi (III Year)
4	CS	Ms Nishu Niharika	Diksha Singh (III Year)
5	CSE/CSE-R/Mtech Int.	Ms Sana Anjum	Akshat Sanjay Dubey & Abhay Kumar Singh (III Year)
6	CYS	Ms Deepa Soni	Ananya Ojha (III Year)
7	CSBS	Ms Bandana Kumari	Hridayansh Awasthi (III Year)
8	DS	Ms Nisha Verma	Priyanshi Gupta (III Year)
9	ECE	Ms Swarnima Roy	Mayank (III Year)
10	IoT	Dr Mamta Chauhan	Som Srivastava (III Year)
11	IT	Ms Shalini Shrotriya	Kritika Sharma (III Year)
12	ME	Dr Rajeev Kumar	Sumit Gupta (III Year)
13	EE (VLSI)	Ms Swarnima Roy	Aditya Bharti (III Year)
14	Pharmacy	Dr Rakhi Mishra	Aarushi Badgal (III Year)
15	Center for Global Engagement	Mr Rajat Bhateja	
16	School of Computer Application	Mr Prashant Jha	Aashai Mast (III Year)
17	School of Management	Ms Shruti Mittal	Deepak Kumar (II Year)
18	NIET Business School	Dr Niyati	Smriti Chauhan (II Year)
19	MCT	Dr Chitvan Agrawal	Urvashi Chauhan (III Year)
20	NIET I Year	Dr Rekha Gupta	

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