



**NIET**  
Greater Noida  
An Autonomous Institute

# PULSE

MONTHLY NEWSLETTER



**MAY-2026**



**Noida Institute of Engineering & Technology, Greater Noida**



## A Conversation with **Dr Avijit Mazumder** Director, Pharmacy Institute

**As NIET celebrates its Silver Jubilee, how do you see the Pharmacy Institute's evolution mirroring the growth of the larger NIET legacy?**

As NIET celebrates its Silver Jubilee, the journey of the Pharmacy Institute closely reflects the institution's overall growth – steady, adaptive, and impact-driven. Over the years, the institute has built strong academic programmes supported by experienced faculty, ensuring quality education and regulatory compliance. With NIET's expansion in reputation and infrastructure, the Pharmacy Institute has evolved from a teaching-focused unit into a holistic academic centre. It now integrates research, industry exposure, and practical training, aligning with NIET's shift towards multidisciplinary, innovation-driven education.

Today, the institute emphasizes areas such as clinical research, pharmaceutical innovation, and industry collaboration, ensuring students are well-prepared for real-world challenges. The focus on student-centric learning, outcome-based education, and professional skills reflects the broader vision of NIET.

In essence, the Pharmacy Institute's journey mirrors NIET's legacy – from strong foundations to academic excellence, from expansion to specialization, and from education to meaningful impact in healthcare and society.

**What is your 'North Star' vision for the institute over the next five years, especially regarding global accreditation and research excellence?**

Our 'North Star' vision for the next five years is to position the institute as a globally recognized, research-driven centre of excellence – known for high-quality education, impactful research, and strong industry relevance. A key focus will be on achieving and sustaining top-tier global accreditations, not just as benchmarks, but as indicators of consistent academic quality. At the same time, we aim to strengthen our research ecosystem by building focused research areas, increasing high-quality publications and patents, and promoting industry- and government-funded projects.

Faculty development will remain central to this vision, with continued emphasis on research-active, PhD-qualified faculty, global collaborations, and interdisciplinary work. We also aim to expand international partnerships through exchange programmes, joint research, and increased global engagement. Ultimately, our success will be measured by student outcomes – strong placements, entrepreneurial ventures, higher education pathways, and meaningful contributions to society. By integrating innovation, industry collaboration, and research-led learning, we aim to create a future-ready academic ecosystem.

**Pharmacy education is shifting from traditional dispensing to clinical services and drug discovery. How is NIET adapting its curriculum to stay ahead of these industry shifts? With the rise of AI in drug delivery and personalized medicine, how are we integrating technology into the pharmaceutical labs?**

Pharmacy education is rapidly evolving, and at NIET, we have proactively aligned our curriculum with this shift – from traditional dispensing to clinical practice, research, and advanced drug discovery. Our programmes now emphasize areas such as clinical pharmacy, pharmacovigilance, regulatory affairs, and drug development, ensuring a more patient-centric and industry-relevant approach. To support this, we have strengthened our laboratory infrastructure with specialized research labs in pharmaceuticals, pharmacology, pharmaceutical chemistry, microbiology, and drug design. These facilities provide hands-on exposure to formulation development, testing, and early-stage research.

We are also integrating technology into pharmaceutical education through add-on courses and certifications in areas such as Artificial Intelligence in healthcare, computer-aided drug design, bioinformatics, and clinical research. This enables students to engage with emerging fields like AI-driven drug discovery, personalized medicine, and data-driven healthcare systems. Additionally, strong industry and hospital collaborations, internships, and research-based learning ensure that students gain practical exposure and are well-prepared for evolving roles in the pharmaceutical sector.

**NIET has always prioritized 'Industry Readiness.' Could you highlight some recent collaborations that are opening unique doors for our pharmacy students? How is the institute encouraging a culture of patent filing and entrepreneurship among the faculty and students?**



At NIET, industry readiness is not just a goal but a continuous process, supported by strong collaborations with pharmaceutical industries, hospitals, and research organizations. These partnerships provide students with exposure to real-world challenges through internships, industrial visits, research projects, and interactions with industry experts. Regular national and international conferences further connect students with global trends in pharmaceutical research and healthcare innovation. Further, the institute actively promotes a culture of innovation and entrepreneurship. Through the Institution's Innovation Council and the NIET Technology Business Incubator, students and faculty receive support for idea development, start-up mentoring, funding opportunities, and IPR assistance. This encourages them to move beyond academics and work on practical, solution-oriented innovations.

A strong emphasis is also placed on patent-driven research. Faculty and students are encouraged to undertake collaborative research projects and translate their work into publications, patents, and potential start-ups. With structured support for research, IPR filing, and commercialization, NIET is creating an ecosystem where innovation, industry exposure, and entrepreneurship go hand in hand.

**For the 'Generation Alpha' students entering our halls, how is the institute evolving its teaching methods to maintain engagement and empathy in a high-pressure technical field?**

With Generation Alpha entering our classrooms, teaching methods must evolve to remain engaging, flexible, and empathetic. At NIET, we are moving beyond traditional lectures to more interactive approaches such as flipped classrooms, problem-based learning, and peer collaboration, making learning more participative and application-oriented. We also recognize the importance of emotional well-being in high-pressure technical fields. Faculty members are encouraged to adopt a mentorship-driven approach, with regular feedback, open communication, and greater sensitivity to students' learning needs.

To match changing learning preferences, we are incorporating microlearning through short, interactive content, along with flexible learning resources and support programmes for students who need additional guidance. A strong emphasis is placed on real-world relevance through industry projects, internships, and hospital or industrial exposure, helping students connect theory with practice. At the same time, collaborative learning environments and co-curricular activities foster a sense of belonging and teamwork.

Ultimately, our goal is to balance academic rigour with empathy – ensuring that students are not only skilled and knowledgeable, but also confident, curious, and well-supported in their learning journey.

**How does the institute ensure that our students develop 'soft skills' and ethical leadership alongside their technical expertise?**

NIET is an institution that strongly believes that technical expertise alone is not enough; students must also develop strong communication skills, ethical values, and leadership abilities. To achieve this, soft skills and ethics are integrated into the curriculum rather than treated as separate components. Students regularly engage in presentations, group discussions, and case studies, allowing them to apply these skills in real academic contexts. Collaborative and project-based learning further strengthen teamwork, accountability, and leadership, while dedicated courses on human values and professional ethics provide a structured understanding of responsible decision-making.

Industry interactions, internships, and mentorship programmes expose students to real-world professional behaviour, helping them learn directly from experienced practitioners. In addition, participation in clubs, events, and outreach activities fosters confidence, empathy, and leadership through hands-on experience. A strong feedback-driven environment and evaluation beyond written exams, focusing on communication, teamwork, and ethical reasoning, ensure that these skills are taken seriously and developed consistently. The institute aims to nurture well-rounded professionals who are not only technically competent but also effective communicators and responsible leaders.

**What has been the most rewarding moment for you personally since taking over the leadership of the Pharmacy Institute at NIET?**

One of the most rewarding aspects of my journey at NIET Pharmacy Institute has been witnessing the transformation of our students – from hesitant beginners to confident, skilled, and ethical professionals. Seeing them succeed in campus placements and secure positions in reputed pharmaceutical companies is truly fulfilling. Equally gratifying is the positive feedback from industry partners and alumni, which reflects our growing focus on practical learning, research, and professional values. It reassures us that we are not just preparing graduates, but responsible healthcare professionals who can contribute meaningfully to society.

On an institutional level, milestones such as achieving a strong position in NIRF rankings and earning a prestigious QS I-Gauge Platinum rating have been particularly proud moments. These recognitions reflect the collective effort of our faculty, students, and management, and strengthen our commitment to continuous excellence.

**Your message to the alumni who are reading this newsletter across the globe?**

It is a matter of great pride to connect with our alumni, who continue to represent the values and excellence of NIET Pharmacy Institute across the globe. Your achievements in industry, healthcare, research, and entrepreneurship are a reflection of your dedication and the strong foundation built during your time here. As the field of pharmacy continues to evolve, your role as professionals and innovators becomes even more important. I encourage you to keep learning, stay connected to emerging developments, and uphold the highest standards of integrity.

We would love to see you remain actively engaged with the institute – through mentorship, guest sessions, internships, and collaborations. Your experience and guidance can greatly inspire and shape our current students. Let us continue to strengthen this bond and build a vibrant alumni network that contributes to growth, innovation, and meaningful impact. Wishing you continued success in all your endeavours.

## NIET Startup Uneako Awarded

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NIET's startup Uneako has been recognized at the Outlook Planet Net Zero C3 Awards 2026 for its innovative work in reducing emissions and promoting zero-plastic event solutions.

This achievement highlights the institute's focus on sustainability-driven innovation and student-led entrepreneurship. Uneako's recognition at a national platform reflects NIET's commitment to developing impactful, environmentally responsible solutions for real-world challenges.

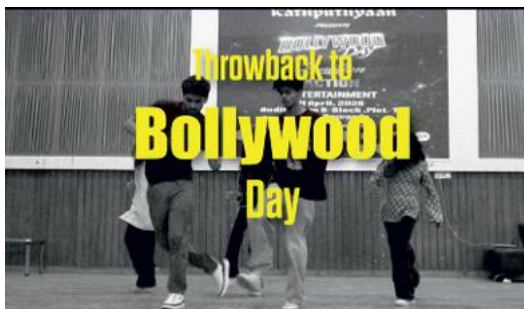
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## Bollywood Day at NIET A Celebration of Music, Energy, and Togetherness

Bollywood Day at NIET was a vibrant celebration of music, talent, and shared moments. From soulful student performances to electrifying live jam sessions, the campus came alive with energy and enthusiasm.

The rhythmic beats, cheering crowds, and Bollywood spirit created an atmosphere of pure celebration, bringing the entire NIET community together. It was a day filled with unforgettable performances, lively interactions, and lasting memories. It was a truly memorable event that captured the joy, passion, and spirit of campus life at NIET.





# India Design Week 2026

## 24 Hours of Ideas, Innovation, and Impact

India Design Week 2026, hosted at NIET Greater Noida on 21–22 April 2026, brought together aspiring creators for an intense 24-hour challenge where creativity met engineering and ideas transformed into real-world solutions. Organised by ICT Academy and sponsored by Autodesk, the event witnessed participation from 99 teams across 50+ colleges in North India.

Participants engaged in hands-on learning, rapid prototyping, and continuous iteration—pushing boundaries, collaborating effectively, and building impactful solutions under time constraints. The event created a dynamic platform for students to showcase design thinking, innovation, and problem-solving skills in action.

The programme was graced by distinguished leaders including Dr Om Prakash Agarwal Managing Director, NIET; Dr Neema Agarwal, Additional Managing Director, NIET; and Dr Vinod Kapse (Director, NIET), along with Srikanth V (CEO, ICT Academy) and Manish Walia (Delta Electronics). The valedictory session featured eminent industry experts such as Anand Kumar (ST Microelectronics), Akhilesh Sahi (Autodesk), and Pankaj Mahindroo (ICEA), whose insights highlighted the evolving intersection of design, technology, and industry.

From ideation to execution, India Design Week 2026 stood as a powerful celebration of creativity, collaboration, and innovation—where ideas were not just imagined, but brought to life.



## Two-Day Faculty Engagement Program to Strengthen Collaboration and Leadership

A two-day Faculty Engagement Program was successfully conducted at NIET Greater Noida on 17-18 April 2026, focusing on strengthening teamwork, leadership, and effective communication among faculty members. The program featured interactive sessions and collaborative discussions that encouraged shared learning and professional growth. The sessions were facilitated by Gallup Global Strengths Coach Abhishek Joshi, whose engaging and insightful approach added significant value to the program.

Such initiatives reflect NIET's commitment to continuous professional development and academic excellence, fostering a connected and empowered faculty community dedicated to enhancing the student learning experience.



## Inauguration of CompTIA Centre of Excellence for Cybersecurity

The institute proudly inaugurated the CompTIA Centre of Excellence on 24 April 2026, marking a significant step towards advancing cybersecurity education and industry-ready skill development. The centre was inaugurated by Mr. Pradipto Chakrabarty (Regional Director, CompTIA) in the presence of Dr Vinod M. Kapse (Director, NIET), Dr Naresh Kumar (Associate Director, NIET), Dr Irphan Ali (CTO, NIET), and Dr Rashmi Sharma (Head, Department of CSE – Cyber Security).

The session introduced the vision of the Centre and highlighted the growing importance of industry-academia collaboration in addressing the increasing demand for skilled cybersecurity professionals. State-of-the-art lab facilities were also showcased, reflecting NIET's commitment to hands-on training, certification-focused learning, and research.

This initiative aims to equip students with practical exposure, real-world simulations, and globally aligned certifications – preparing them to excel in the evolving digital landscape.



# NIET Represented at HR Success Talk 2026

The institute proudly shares the participation of Dr Neema Agarwal, Additional Managing Director, at the HR Success Talk – Annual HR Conference & Awards 2026.

As a panelist in the session on “The Gen Z Era: CEOs' Insights on Culture and the Future of HR,” Dr Agarwal shared valuable perspectives on how emerging talent is reshaping workplace expectations and the cultural shifts organizations must embrace to remain relevant.

Her insights underscored the evolving role of education in developing future-ready professionals and bridging the gap between academic learning and industry needs. A strong representation of NIET's thought leadership in driving conversations on the future of work.



# AICTE-Sponsored National Conference on Emerging Technologies

On 10-11 April 2026, NIET successfully hosted the AICTE-sponsored National Conference on “Advances in Computational Techniques and Research Practices Using Emerging Technologies” under the AICTE Quality Improvement Scheme (GOC 2025-2026), organised by the School of Computer Applications.

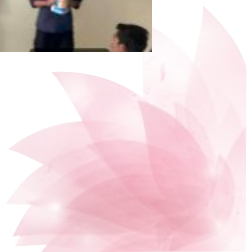
The conference brought together researchers, academicians, and industry experts on a common platform to exchange ideas, explore emerging technologies, and discuss innovative research practices shaping the future of computational science. It fostered meaningful dialogue, collaboration, and knowledge sharing across disciplines. Through such initiatives, NIET continues to strengthen its focus on academic excellence by encouraging research that extends beyond theory and contributes to real-world solutions.



# Integrating Subhashitas with Modern Communication Principles

The Department of Languages successfully conducted a value-added course on *Indian Knowledge Systems: Subhashita as a Source for Modern Communication Principles* from 13-17 April 2026 for B.Tech. II year students across all branches. The course explored the relevance of *Subhashitas* in contemporary contexts, focusing on communication, leadership, and ethics. Through engaging discussions and real-life case studies, students gained insights into concise and impactful communication, ethical leadership, and the application of traditional wisdom in modern scenarios.

Conducted during regular class hours, the programme offered a unique blend of cultural knowledge and practical learning, reinforcing the importance of integrating Indian knowledge traditions into today's academic and professional environments.



## A Landmark Achievement for NIET

The institute proudly celebrates the remarkable placement achievements of its students from the Batch of 2026, marking another milestone in its commitment to career excellence and industry readiness.

A total of 33 students secured placements with WISSEN at a package of 4.60 LPA, while 19 students were placed with iValue, reflecting strong industry engagement and consistent performance. Students also received excellent opportunities with leading organisations such as Jayanita, where Harsh Gupta (CSE – IoT) secured 6.00 LPA, along with Umang Kumar (CSE – AI) and Shruti Pandey, who received 4.80 LPA, and Priyangi Singh (MBA) and Pragati Prakash, who secured 3.60 LPA.

Additionally, students including Jai Shiv Tomar (CSE – AIML), Kamran Alam (CSE – AIML), Ritesh Kumar (CSE), and Shubham Gusain (CS) were placed with IRB Infrastructure Developers Ltd.

These achievements highlight the strength of NIET's industry-aligned curriculum, focused training, and supportive academic environment that consistently nurtures future-ready professionals. With over 3100 placements, a highest package of ₹44 L CTC, and participation from 500+ recruiters for the 2025–2026 batch, NIET continues to set benchmarks in placement excellence. Each success story reflects the institute's vision of transforming student potential into professional achievement.



## Bridging Classroom Learning with Industry Practice: Industry Visit to HCL Tech.

The institute organised an insightful industry visit to HCL Tech., providing students with valuable real-world exposure beyond the classroom.

The visit enabled students to connect academic concepts with practical industry applications through hands-on learning, technical interactions, and insights into live projects. From understanding real-time workflows to exploring project-based problem-solving, the experience offered a meaningful glimpse into the professional world of technology and innovation.

Such initiatives play a vital role in preparing students to become industry-ready professionals through experiential learning and direct corporate engagement.



# Ebullience 2026 Uniting NIET Through Sports and Spirit

The Annual Sports Meet “Ebullience 2026” was organised at Noida Institute of Engineering and Technology in April 2026 with great enthusiasm and vibrant participation from students and faculty members. The event featured a variety of indoor and outdoor sports activities, promoting teamwork, discipline, fitness, and sportsmanship among participants.

A special highlight of the sports meet was the cricket tournaments organised for both male and female faculty members.

Faculty teams participated with full enthusiasm and energy, giving a neck-and-neck competition to their opposing teams and adding excitement and competitive spirit to the event. The enthusiastic cheers from students and colleagues further made the event memorable and lively.

The event concluded with the felicitation of winners and participants, celebrating the spirit of unity, determination, and healthy competition at NIET.



# BizMela 2026: Where Ideas, Innovation and Leadership Converged

The School of Management at Noida Institute of Engineering and Technology, Greater Noida, successfully hosted BizMela Management Fest 2026 on 8 April 2026. The flagship event brought together over 700 students from MBA, Integrated MBA, BBA, MCA, and allied programmes, offering a dynamic platform to showcase managerial and entrepreneurial skills.

Featuring six thoughtfully curated competitions, BizMela fostered innovation, teamwork, and real-world business thinking. The event was conducted under the mentorship of Director Dr. Kapse and inaugurated by Prof. Dr. Pooja Rastogi, whose leadership guided its success. Coordinated by Dr. Shishma Kushwaha and Mr. Harsh Awasthi, the fest created lasting memories while setting new benchmarks for future editions.



## Pratibha 2026

The School of Electronics and Communication Engineering successfully organised Pratibha 2026 on 10 April 2026, celebrating innovation, creativity, and technical excellence through an engaging project exhibition. Students showcased impressive projects in IoT, Embedded Systems, Robotics, and Smart Technologies, demonstrating strong technical skills, innovative thinking, and practical problem-solving abilities. Outstanding projects were recognised with cash prizes for their innovation and impact.

The event was conducted under the guidance of Dr. Rajan Singh, HoD (ECE & VLSI), whose support and encouragement played a key role in its success. The department also extends gratitude to the HoD Mechanical, HoD CSE (IoT), and faculty members Ms. Neha (Dy. Head), Dr. Sarabjeet Kaur, and Ms. Nidhi Sharma for serving as judges. Special appreciation goes to the IDEA Lab technical staff and coordinators Ms. Kanika Jindal and Ms. Swarnima for their dedicated efforts. The department expresses sincere thanks to Dr. O.P. Agarwal, Managing Director, NIET; Dr. Neema Agarwal, Additional Managing Director, NIET; and Dr. Vinod M. Kapse, Director, NIET, for their continued guidance and support.



## Industrial Interaction Session

The Department of Electronics and Communication Engineering successfully organised an industrial interaction session with officials from Capgemini on 13 April 2026 under an MoU focused on collaboration in 5G technology, skill development, and industry readiness. The session aimed to bridge the gap between academic learning and industry expectations while guiding students toward future career opportunities.

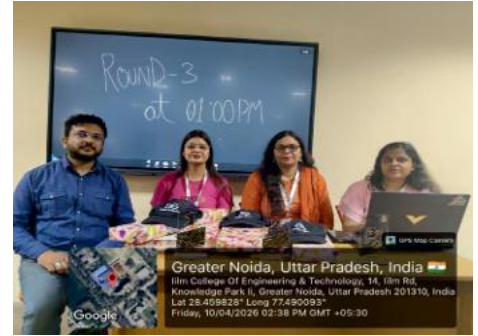
Attended by third- and fourth-year students, the session witnessed enthusiastic participation and engaging interactions with experts. It provided valuable insights into industry requirements, helping students better understand the expectations of multinational companies and the evolving career landscape for engineering graduates.



## GFG Geekathon

The Department of Computer Science and Engineering (Data Science) successfully organised the GFG Geekathon—a three-round technical competition—on **10 April 2026** at NIET, Greater Noida. Conducted in collaboration with the GeeksforGeeks Student Chapter, the event witnessed enthusiastic participation from over 150 students.

The competition featured three engaging rounds—Technical Quiz, Debugging Challenge, and Open Innovation Project—focusing on programming, problem-solving, and creativity. The event enhanced participants' analytical thinking, teamwork, and presentation skills while promoting innovation and technical excellence. Winners were recognised with trophies, certificates, and goodies. The initiative also aligned with the SDG goals of Quality Education and Innovation.



## IgniteX Data Viz Challenge

The Department of CSE (Data Science) successfully organised IgniteX: Data Viz Challenge on **3 April 2026** at the Tableau Centre of Excellence, NIET, Greater Noida. The event focused on data analytics and visualisation using Tableau and witnessed participation from 132 students.

The competition included a quiz round followed by a dashboard creation round, where shortlisted participants developed interactive visualisations using real-world datasets. The event enhanced analytical thinking, problem-solving, and data interpretation skills while providing hands-on, industry-relevant experience. Top performers were awarded prizes, and the initiative contributed to strengthening data-driven decision-making and industry readiness among students.



## Industry Insight CSBS Students Visit Electronica 2026

On **9 April 2026**, students from the CSBS department visited the Electronica exhibition at the India Expo Centre & Mart to explore the latest advancements in electronics and automation. This immersive experience bridged the gap between classroom theory and industrial application as students engaged with live demonstrations, attended technical presentations, and interacted with industry professionals.

By analysing real-world electronic systems and engaging directly with company representatives, students gained valuable insights into the current technological landscape and collected resources to support their academic growth.



## International Immersion Programme, Malaysia

Students from NIET Business School participated in the ORBIS International Immersion Program in Malaysia from **12–20 April 2026**. This transformative experience provided global academic and industry exposure.

The programme included academic sessions at UCSI University and SEGi University, along with a sustainable product pitch workshop and industry visits to Atlas Copco and Beryl's Chocolate Factory. Cultural visits to Batu Caves, Genting Highlands, and Putrajaya enriched the experience further.

The immersion successfully bridged the gap between

theory and practice, equipping students with adaptability and cross-cultural communication skills essential for the global business environment.

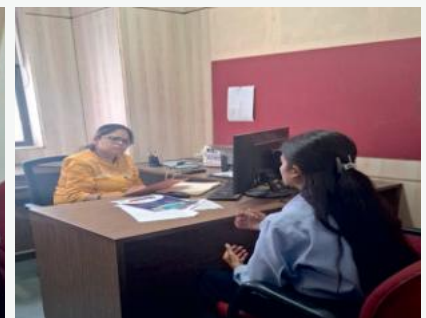


## NextGen Recruit Simulation

On 22nd April 2026, NIET Business School successfully conducted “NextGen Recruit,” an intensive interview simulation organised by Varnam – The Communication Club. Under the convenorship of Ms. Tanya Goswami, the offline event provided 100 PGDM students with a realistic corporate recruitment experience.

A panel of 12 faculty members evaluated participants on subject knowledge, communication skills, and problem-solving abilities, offering personalised feedback to help students identify their strengths and areas for improvement.

The initiative significantly enhanced students' internship and placement readiness.



## Mastering AI: Inter-College Prompt Battle

On 10th April 2026, the CSE and IT Departments, under the CSI NIET Student Chapter, hosted an Inter-College Prompt Engineering Workshop. The session featured Ms. Mitali Chaudhary, Senior Software Engineer at Capgemini, who guided participants through AI fundamentals and a high-energy “Prompt Battle.”

Coordinated by Dr. Poornima Tyagi and Mr. Abdul Khalid, the workshop provided hands-on experience in emerging AI technologies, effectively bridging the gap between academic concepts and real-world application.



## Hack Days NIET



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NIET's CSE Department hosted “Hack Days NIET” on 3rd April 2026, in collaboration with Major League Hacking, Featherless.ai, and NX-913. The hybrid hackathon received over 120 team registrations, with the top 16 teams advancing to the offline final.

Team Netra secured first place, followed by Global Coders and ERFOLG. The event fostered a competitive environment focused on real-world problem-solving and technical excellence.

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## Dominance Technical Challenge

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The CSE Department organised its flagship event, “Dominance,” on 10th April, 2026. A multi-phase technical competition conducted on a custom-built platform. Participants progressed through a series of challenges, including a quiz round, a strategic “Zone Capture” task, and a final coding and web development round. The event enhanced technical expertise, teamwork, and problem-solving skills in a dynamic and competitive environment.

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## Guest Lecture on Indian Knowledge System (IKS)

The Department of Applied Sciences organised an insightful guest lecture on “Understanding and Implementation of Indian Knowledge System (IKS) in Our Educational System” on 24 April 2026 at the Plot 15 Auditorium. The session focused on the relevance of integrating India's rich knowledge heritage into contemporary education and academic practices.

The lecture was delivered by Prof. Sanjay Kumar Sharma, Director, Indian Culture Studies Centre, Department of CSE, Gautam Buddha University, who shared valuable perspectives on bridging traditional wisdom with modern learning frameworks. The session provided an engaging platform for academic dialogue and reflection on incorporating IKS into current educational systems.



## Innovatia 2026

“ The Department of CSE (AI) organised INNOVATIA – Where Ideas Take Shape on **29 April 2026**, a project exhibition held under the aegis of the Institution's Innovation Council (IIC). The event provided a platform for students to transform ideas into prototypes, foster research, experimentation, and interdisciplinary learning.

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## Research Seminar: Ethical Writing and Plagiarism

The Departmental Research Committee (DRC), CSE (AIML), organised a seminar on “Ethical Research Writing and Plagiarism Awareness” on 10 April 2026. The session was delivered by Dr. Sanjeev Kumar, Additional Head (MCA), G.L. Bajaj Institute of Technology and Management.

The session focused on research integrity, citation practices, and academic publishing.



## Game-A-Code



“ The Game-A-Code event, organised by the Department of CSE (AIML), was an AI-driven gaming innovation challenge. Participants developed game prototypes in a competitive environment, showcasing creativity, coding proficiency, and teamwork.



## Guest Talk on Intellectual Property and Pharmaceutical Sciences

The Department of Biotechnology organized an insightful guest lecture on the pivotal role of Intellectual Property Rights (IPR) in pharmaceutical sciences on 13 April 2026. Dr. Amrish Chandra, a registered patent agent and seasoned academician, delivered the session. He provided a comprehensive perspective on the intersection of innovation and legal protection in drug discovery and development.



## Nukkad Natak on Sustainable Living

The Department of Biotechnology conducted a Nukkad Natak on “Sustainable Living: Say no to plastics, save trees, and breathe clean” at Navada Village on 10 April 2026. Through a powerful and engaging street play, it raised awareness about pressing environmental issues highlighting the harmful impact of plastic usage, the importance of



conserving trees, and the need for cleaner surroundings. The performance aimed to connect with the local community, encouraging small yet meaningful lifestyle changes that contribute to a more sustainable and eco-friendly future.

## Industrial Visit to Mother Dairy



“ The Department of Biotechnology on 17 April organized industrial visits for students to enhance practical exposure. Second-year students visited Mother Dairy Fruit & Vegetable Pvt. Ltd., where they explored milk processing, packaging, and quality control systems. These visits provide valuable industry exposure and a better understanding of real-world biotech applications for students. ”

## Industrial Visit to Yakult

“ On 17 April 2026, B.Tech 3rd year Biotechnology students visited the Yakult manufacturing plant in Sonipat as part of their academic curriculum to gain practical exposure to industrial biotechnology processes. The visit provided valuable insights into the large-scale production of probiotic beverages, particularly focusing on the cultivation and maintenance of *Lactobacillus casei* strain Shirota. ”



## Quiz on Immunology in association with MBSI

The Department of Biotechnology on 24 April 2026 organized an engaging Immunology Quiz for Biotechnology 2nd-year students in association with the Microbiologists Society of India (MBSI). The quiz tested students' understanding of core immunology concepts, promoting analytical thinking, teamwork, and application-based learning in a competitive and interactive environment.



## Biogenesis-Biotech Start Up Pitch Competition

Biogenesis is a start-up pitch competition designed to encourage innovation and entrepreneurship in Biotechnology. Participants on 3 April presented their ideas to a panel of experts, gaining feedback, exposure, and potential opportunities for incubation and funding. The competition also nurtured critical thinking, business planning, and presentation skills, helping students translate scientific ideas into viable commercial solutions.



## Navigating the Future A Step-by-Step Guide to AI and Data Science Careers

The Department of Computer Science and Business Systems organized an insightful session on 20th March 2026. The keynote speaker, Mr. Aryesh Rai, Product Engineer at Coding Blocks and IIT Delhi graduate, guided students on building successful careers in AI and Data Science. He emphasized the importance of strong fundamentals, continuous learning, and understanding industry expectations. The session provided a clear roadmap and highlighted real-world applications of emerging technologies. Students also gained practical tips to stand out in the competitive tech domain, making the session highly engaging and impactful.



## MoU Signed with Metro Hospital and Heart Institute



“ A Memorandum of Understanding (MoU) is signed between NIET Pharmacy Institute and Metro Hospital and Heart Institute, Noida on 2.4.2026. The MoU is signed to establish a collaborative framework between two parties for internship and hospital training programs to enhance students' academic knowledge, practical skills, and exposure to sophisticated equipment. ”

## Ebullience, 2026

On the occasion of the annual fest EBULLIENCE 2026, the NIET Pharmacy Institute organized a vibrant series of events, including Cosmetic Preparation, quiz competition, poster presentation and sports activities. Students from M.Pharm, B.Pharm and D.Pharm participated enthusiastically, showcasing innovation and practical skills. The institute achieved notable success, with the girl's team winning a gold medal in tug-of-war, and Samrat Chaudhary (B.Pharm 4th sem) securing 2nd prize in shot put. In the Cosmetic Preparation event, the students developed formulations such as solid face wash, sunscreen, herbal shampoo and lipstick, reflecting their applied learning and creativity.



## Guest Lecture on Higher Education Opportunities Abroad

“ The Institute organized a guest lecture on 1 April 2026 titled “UG to Global Campuses – Building Skills for Higher Education” for B.Pharm 6th and 8th semester students. The session was delivered by Mr. Dharmendra Makwani, Co-Founder and Managing Director of EduMitra Global Consultant, Mumbai. The lecture offered valuable guidance on pursuing higher education abroad, including exam preparation strategies, application procedures, and global career opportunities. The session proved highly informative, helping students gain clarity on planning their academic journey beyond undergraduate studies.



## First Aid and Emergency Training Session at NIET Pharmacy Institute

A lecture and practical training session titled “First Aid and Emergency Techniques for Patient Risk Management” was conducted on 4 April 2026 at NIET Pharmacy Institute. The session was led by Mr. Vikash Kumar, HOD & Consultant – Emergency & Critical Care at Metro Group of Hospitals. It covered essential topics such as CPR, burn management, and basic first-aid techniques, providing hands-on learning experience. The interactive session enhanced participants' awareness and preparedness in handling critical situations, making it highly informative and valuable.



## Guest Lecture on Women's Health and Mental Well-being

An insightful guest lecture was organized on 16 April 2026, featuring experts Dr. Priya Bansal and Dr. Durva Dharmesh Shah from Medanta Hospital, Noida, with participation from over 150 students and faculty members. The session focused on women's health and mental well-being, where Dr. Priya Bansal



emphasized cervical cancer prevention through HPV vaccination and early screening, while Dr. Durva Dharmesh Shah discussed effective strategies for time and stress management. The lecture proved highly informative, encouraging students to adopt a holistic approach toward healthcare and overall well-being.



## Guest Lecture on Cancer Awareness and Preventive Healthcare

A highly informative guest lecture was organized on 24 April 2026 to raise awareness among students, faculty, and staff about cancer, covering its symptoms, diagnosis, prevention, and treatment. The session was delivered by Dr. Ambesh Singh, Senior Consultant and Unit Head of Head and Neck Surgical Oncology at Fortis Hospital. He shared practical insights from his clinical experience, which proved especially



valuable for pharmacy students studying oncology formulations and pharmacovigilance. The lecture enhanced participants' understanding of cancer management and emphasized the importance of early detection and preventive healthcare practices.

## World Health Day Outreach Promoting Health Awareness Among Young Minds

“ On the occasion of World Health Day (7 April 2026), a team from NIET Pharmacy Institute visited Bright Future School, Greater Noida, to spread awareness through an engaging skit based on the theme “Together for Health and Stand with Science.” The performance highlighted key aspects such as personal hygiene, animal welfare, and vaccination in an interactive manner. Well-received by school students, the initiative effectively conveyed important health messages and encouraged the adoption of healthy lifestyle practices among young minds.



## WEBTHON 2026 Showcases Innovation and Technical Excellence



“ The Department of CSE (IoT), NIET Greater Noida, successfully organized WEBTHON 2026 on 26 April 2026. The event witnessed enthusiastic participation from students who showcased innovative web solutions, real-time problem-solving skills, and strong teamwork while addressing challenging problem statements. The competition highlighted creativity, technical expertise, and an entrepreneurial mindset among participants. The top three teams were recognized for their outstanding performance, making the event a highly engaging and enriching experience for all involved.

## Students Secure First Position in Kabaddi Tournament

“ Students from the Department of CSE (IoT), NIET Greater Noida, achieved a remarkable victory by securing first position in the Kabaddi Tournament held on 2nd and 3rd April 2026 at RKGIT College, Ghaziabad. This accomplishment reflects their strong teamwork, discipline, and competitive spirit beyond academics. The achievement brings pride to the department and highlights the importance of sports in overall student development. Heartiest congratulations to the team for their outstanding performance and best wishes for their future successes.



## Autism Awareness Program at Om Public School



On the occasion of World Autism Awareness Day (2 April 2026), an awareness visit was organized at Om Public School, Greater Noida, under the guidance of faculty coordinator Ms. Nidhi Chauhan. Five students participated in the initiative, spreading awareness among school students and staff on the theme “Autism and Humanity: Every Life Has Value.” The program emphasized the importance of recognizing the dignity, strengths, and support needs of individuals with autism, while promoting neuroinclusive environments in education and society. The visit successfully fostered empathy, understanding, and social responsibility among participants.

## Data Analytics Workshop Builds Practical Skills

A workshop on Data Analytics was conducted on 18 April 2026 at D Block, NIET, to provide students with foundational knowledge and practical exposure to data-driven decision-making. The session covered key concepts such as data collection, cleaning, visualization, and interpretation using modern tools and techniques. Through hands-on activities with real-world datasets, participants enhanced their analytical thinking and gained valuable skills essential for careers in data analytics and related domains.



## Industrial Visit to LTIMindtree Enhances Industry Exposure

An industrial visit to LTIMindtree was organized on 4 April 2026 at Candor Techspace, Sector 62, Noida, to provide students with practical exposure to the corporate environment and modern IT practices. During the visit, participants gained insights into software development processes, project management, and emerging technologies. Interaction with industry professionals helped students understand real-world challenges and career opportunities. The visit proved to be highly informative, effectively bridging the gap between academic learning and industry requirements.



## Industrial Visit to HCLTech Exploring AI in Project-Based Learning



“ An industrial visit to HCLTech, Noida Sector 126, was organized on 8th-9th April 2026 to provide students with insights into the role of Artificial Intelligence in modern industry practices. During the session, students learned how AI enhances project-based learning through automation, data analysis, and improved decision-making. The visit offered valuable exposure to real-world applications and guided students on integrating AI into academic projects, thereby strengthening their technical skills and industry readiness. ”

## Industrial Visit to Ducat India, Noida



An industrial visit to Ducat India was organized on 10 April 2026 at its Sector 16, Noida campus. The institute offered a well-equipped and professional learning environment, ideal for technical sessions and hands-on activities. The visit provided students with valuable exposure to practical learning settings, enhancing their understanding of industry-oriented training. Its accessible location further ensured a smooth and convenient experience for all participants.

## Hack & Secure Workshop on Zero Trust Security

A workshop titled “Hack & Secure: Zero Trust Security” was conducted on 24 April 2026 at Lab 001D, featuring expert speakers from the cybersecurity domain. The session focused on key principles of Zero Trust Security, including continuous verification, strong authentication, and protection against evolving cyber threats. Through real-world case studies and practical demonstrations, participants gained valuable insights into secure system design and implementation. The interactive sessions also guided students on career opportunities in cybersecurity, making the workshop highly informative and impactful.



## Workshop on Prompt Engineering Enhances AI Interaction Skills

A workshop on Prompt Engineering was conducted on 10 April 2026 at the Incubation Cell, NIET, to introduce participants to effective techniques for interacting with AI systems. The session focused on designing clear and precise prompts to generate accurate and meaningful outputs. Students from various colleges participated, fostering a collaborative learning environment. Through hands-on activities, participants gained practical skills in using AI tools effectively, making the workshop highly engaging and beneficial.



## Expert Session on GATE Preparation and Career Opportunities

An insightful session was conducted on 15 April 2026 at Room 005D, D Block, NIET, by Mr. Arjun Chhabra, Faculty at ACE Engineering Academy and a five-time GATE qualifier. The session focused on career opportunities through GATE, effective preparation strategies, and the importance of mindset, consistency, and discipline. Students also received guidance on higher studies, PSU jobs, and research careers. The session proved highly motivating and informative, helping participants gain clarity on planning their academic and professional paths.



## Faculty Achievements



**Dr Abhishek Pratap Singh**

Head of Mechanical Engineering at NIET

Was invited as a Board of Studies member at DPG Group of Colleges, Gurugram, on April 20, 2026.

Nominated by the Academic Council, he contributed insightful suggestions and expert guidance toward curriculum development. His inputs played a key role in strengthening the academic framework, ensuring alignment with current industry demands and research advancements, and reinforcing the department's commitment to academic excellence.



**Dr Kanika Singhal**

Assistant Professor, Department of CS

Has been honoured with the Outstanding Researcher Award from Scientific Laurels for her exceptional service and remarkable contributions in research.



**Dr Ashish Kumar Chakraverti**

Professor & Head, Department of CSE, (DS)

Served as an Honorary Session Chair at the International Conference on Engineering Innovation, Computing & Management (ICEICM 2026). He led discussions in key areas including cybersecurity, cryptography, blockchain, and AI-driven vision and language processing, facilitating meaningful knowledge exchange and collaboration among researchers and participants.



From January to April 2026, NIET Greater Noida participated in **Project Vijay**, an Oracle Academy initiative focused on Applied Database Systems and AI-readiness, securing the **second position PAN India** for outstanding performance. The program culminated in an offline finale at the **Oracle Office, Noida, on 30 April 2026**, where a delegation including **Prof. Aditee Mattoo (SPOC), Prof. Preeti Gera, Prof. Pradeep Kumar, and Prof. Chitvan**, along with M.Tech Integrated students, engaged with Oracle experts and shared best practices. This achievement has unlocked exclusive professional certification benefits for the institute, further solidifying NIET's commitment to industry-aligned technical education and experiential learning.



**Dr Anand Kumar Gupta**

Head, Department of CSE (AI)

Has been recognized as a distinguished member of the Board of Studies at DPG, Gurgaon. This recognition underscores his academic leadership, domain expertise, and valuable contributions to the field of Artificial Intelligence and Computer Science education.



**Dr Mohammad Shahid**

Associate Professor, Department of AIML

served as a distinguished jury member at Webthon 2026, organized by the Department of CSE (IoT). The event highlighted exceptional students' innovation and technical expertise, providing a vibrant platform for young minds to display their creativity



**Dr Avijit Mazumder**

Professor and Director of Pharmacy

Has been awarded a prestigious International Seminar grant by Dr. A.P.J. Abdul Kalam Technical University, Lucknow, for the topic *“Emerging Roles of Artificial Intelligence in Pharmaceutical Research and Healthcare Practices: Challenges Ahead.”* This achievement reflects the institute's strong commitment to advancing innovative research and fostering academic excellence in the field of Pharmaceutical Sciences. It also underscores the growing importance of integrating cutting-edge technologies like AI into healthcare and drug research to address future challenges and improve patient outcomes.



**Dr Rupa Mazumdar**

Professor and Dean  
of Pharmacy



**Dr Rakhi Mishra**

Professor  
of Pharmacy

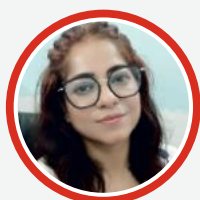
The project titled *“In Silico Screening and Synthesis of Acyl Urea Compounds to Combat Estrogen Positive Breast Cancer”* submitted by Dr. Rupa Mazumdar as Principal Investigator and Dr. Rakhi Mishra as Co-Principal Investigator from the Department of Pharmaceutics has been selected for a research grant under the Vishvesvaraya Research Promotion Scheme (V.R.P.S) by Dr. A.P.J. Abdul Kalam Technical University, Lucknow. This achievement highlights the Institute's commitment to advancing Pharmaceutical Research in the field of Cancer.



**Dr Sonia Arora**

Assistant Professor & Deputy Head, AIML

Has been honored with a Certificate of Recognition for her valuable contribution as a Session Chair at the 6th International Conference on Advances in Information Communication Technology and Computing (AICTC-2026), held at 17th to 18th April 2026, BTU Bikaner, Rajasthan.



**Dr Apeksha**

Associate Professor, Department of Languages

Delivered a guest lecture on *“The Role of Language, Tone, and Body Language in Legal Communication”* at KCC Institute of Legal and Higher Education on 25 April 2026. The session highlighted the importance of effective communication in the legal profession, focusing on language precision, appropriate tone, and confident body language. Her insightful and engaging delivery enriched the learning experience of the students and was highly appreciated by the institute.

**Dr Dolly Sharma**

Assistant Professor, Biotechnology

Secured the IRFST Prize in the Offline Mode Oral Presentation category at the ICSSR-sponsored National Conference titled *“The Nexus Imperative: Environment, Public Health and Policy for a Sustainable Future (EHP NEXUS 2026)”*. The Department of Environmental Science, School of Vocational Studies and Applied Sciences (SoVSAS), Gautam Buddha University, Greater Noida organized the event. The award-winning presentation, *“Plant-Derived Bioactive Modulators for Sustainable Management of Polycystic Ovary Syndrome: Integrating Environmental, Metabolic, and Public Health Perspectives,”* highlighted an interdisciplinary approach to addressing PCOS through sustainable and bioactive interventions. Dr. Chhaya Agarwal, Dr. Dolly Sharma, and Dr. Mansi Mishra, presented the work in collaboration, reflecting a strong commitment to research excellence



## Students Achievements

The School of Electronics and Communication Engineering proudly celebrates another achievement as Team Aerobots continues its winning streak. The team secured 2nd place in a Project Competition at Manav Rachna University, Faridabad, along with a cash prize. Team members Aayush Gunjan and Aditya Shekhar Das have consistently demonstrated excellence, showcasing innovation and strong engineering skills. Their continued success reflects the department's spirit of excellence, setting new benchmarks in both competitive and technical domains.



The Department of Computer Science and Engineering (Data Science) proudly highlights a student achievement as Abhay Varshney earned the prestigious "Legend" status in the Google Cloud Arcade program on 11 April 2026. Achieved through the Google Cloud Skills Boost platform, this recognition was awarded after successfully completing multiple cloud labs, skill badges, and arcade challenges. This accomplishment reflects his strong practical knowledge of cloud technologies and dedication to continuous learning. It also underscores the institute's focus on encouraging students to engage with global platforms and emerging technologies, inspiring peers to excel in modern computing domains.

The Department of Data Science, NIET Greater Noida, proudly celebrates the success of its students in the \*IgniteX Tableau Data Visualization Competition\* held on 03 April 2026 at the Tableau Centre of Excellence (B-317 Lab). Organized in collaboration with the Tableau Excellence Centre, the event focused on enhancing data visualization, analytical thinking, and storytelling skills. Ananya Shukla secured First Prize with an outstanding and impactful dashboard, while Akanksha Singh earned Second Prize with her insightful and well-crafted visualization. Both students demonstrated strong analytical abilities and effective use of Tableau, reflecting their dedication and excellence. Their achievements highlight the department's commitment to fostering practical, industry-relevant skills and nurturing talent in the field of data science.



### CSE (AI) Student Startup Milestone | Bharat Reviews Pvt. Ltd.

From a modest idea conceived in May 2024 to a thriving enterprise by May 2026, Bharat Reviews Pvt. Ltd. marks an inspiring milestone in student entrepreneurship. Founded by Om Tiwari, with key contributions from Alok Kumar and Raman Maddheshiya, the startup has successfully completed two years of impactful operations, emerging as a seven-figure business. What began as a college-driven initiative has grown into a robust platform enabling brands to scale through authentic review ecosystems and strategic, data-driven marketing solutions. The journey reflects persistence, collaborative innovation, and a strong commitment to addressing real-world market needs.

**CSE AI NIET Students Secure Second Place at Innovation Nexus 1.0**

The team, led by **Rishu Jha**, and other team members **Keshav Mehta, Lakshya Mishra, and Srishti Kumari** demonstrated outstanding innovation, strategic thinking, and entrepreneurial acumen at Innovation Nexus 1.0 – Idea Showcase, a prestigious Business Model Competition organized by the IIC Cell and Technical Team of IIMT College of Management, Greater Noida, on 6th April 2026. This recognition appreciates the innovative approach and exceptional performance, marking a significant accomplishment for the institution in the domain of business and innovation.



**CSE (AI) Students Secure First Position at EBULLIENCE**

Students from CSE (AI) secures **first position** at EBULLIENCE 2026: Technical Fest & Sports Meet, held on 10th April 2026. The students' team showcasing exceptional problem-solving ability, agility, and presence of mind in a highly competitive environment emerged as the winner in the **Escape Event**. Organized under the aegis of **the Institution's Innovation Council (IIC)**, *Ebullience* continues to serve as a dynamic platform that inspires students to excel beyond academics by engaging in both technical and sporting pursuits.

**CSE (AI) students grab second position at EBULLIENCE 2026 – Tug of War**

Ishant Bhati and his team secure **Second Place** in the Tug of War event at EBULLIENCE: Technical Fest & Sports Meet 2026, held on 10 April 2026. This accomplishment exemplifies not only physical strength but also the power of teamwork, strategic coordination, and a resilient competitive spirit. Such events extend beyond sport, fostering leadership, camaraderie, and perseverance among students.



**AIML Inter-University Triumph AIML Team Clinches first Position**

NIET takes immense pride in celebrating the outstanding achievement of its students—**Sahil Pal, Rachit Mishra, Rohit Kumar, and Charit Sharma**—who secured 1st Position at the Inter-University level in the **LLOYD Championship 2026**. Their exceptional performance is a testament to their skill, perseverance, and cohesive teamwork.





### AIML Excellence in Action Rishi Pal Leads Team Finstack to Victory

Rishi Pal of AIML secures 1st Position in an event organized by Machine Magnets as a key member of Team Finstack. His exemplary performance, coupled with dedication and collaborative spirit, brought great distinction to the department. This accomplishment stands as a testament to his commitment to excellence and serves as an inspiration for peers to pursue high standards of achievement.

Shreya Pathak secures 3rd position in the Robo Race, a technical event designed to test the performance and control of robots in a competitive environment. The event provided participants with an opportunity to demonstrate their understanding of robotics by skillfully operating their machines in dynamic and challenging conditions.



Ashwani Tiwari (AIR 1340), Aashi Gupta (AIR 1937), Anshika Dwivedi (AIR 3771)  
Three final-year B.Pharm students brought pride to the institution with their GPAT performance. Their success reflects dedication, hard work, and the strong academic environment of the college, inspiring fellow students to excel in competitive exams.

Students secured 1st place in an event organized by IIMT, held at CK PlayStation from 6th to 8th April 2026. The team demonstrated exceptional performance, teamwork, and competitive spirit throughout the event. This achievement reflects their dedication and excellence, bringing pride to the institution and inspiring peers to strive for similar success.



Students achieved 1st place in an event organized by Lloyd College, held from 8th to 11th April 2026. Their outstanding performance, teamwork, and dedication were evident throughout the competition. This accomplishment highlights their competitive spirit and excellence, bringing pride to the institution and motivating others to pursue similar achievements.



## Research Highlights

### I Year, NIET



**Dr Anurag Tyagi**  
Assistant Professor

Published a research paper titled “Electrochemical studies on Cocos nucifera (coconut hair oil) derived carbon soot as an electrode material for EDLC application using non-aqueous NaPF6 electrolyte” in Scientific Reports indexed in SCI. This work focuses on study of synthesis and characterization of carbon soot using Cocos nucifera (coconut hair oil) in controlled air environment and was co-authored with Rita Kumari, Chhaya Ravi Kant, Kuldeep Mishra



**Dr Rekha Gupta**  
Assistant Professor

### Department of AIML

#### Published the following research papers:

“Hybrid Optimisation for Early Parkinson's Disease Detection in Federated Learning” in a Scopus-indexed International Journal of Industrial and Systems Engineering. The paper explores the use of hybrid optimisation techniques combined with federated learning to enable secure and efficient analysis of distributed healthcare data. It focuses on improving the early detection of Parkinson's disease while preserving patient privacy.

“Genetic Algorithms: A Review of Theory, Applications and Future Directions” in the International Conference on Emerging Technologies and Innovation for Sustainability (EmergIN 2025). The paper provides a comprehensive overview of genetic algorithms, discussing their theoretical foundations, key operators such as selection, crossover, and mutation, along with their wide-ranging applications in solving complex optimization problems.



**Mr Faizan Ahmad**  
Assistant Professor



**Dr Mohammad Shahid**  
Associate Professor



**Ms Aarushi Thusu**  
Assistant Professor



**Dr Sonia Arora**  
Assistant Professor & Deputy Head

Co-authored a research paper titled “Real-Time Anomaly Detection in Streaming Data Using Machine Learning” in the International Conference on Emerging Technologies and Innovation for Sustainability, published by IEEE. The paper highlights the use of machine learning techniques for detecting anomalies in real-time streaming data, contributing to improved efficiency and reliability in modern intelligent systems.

Was granted a patent titled “Computerized Environmental Impact Assessment Aerial Vehicle” on 8 April 2026 in India. Invented by Dr Divya Mishra, this pioneering innovation presents a sophisticated aerial system engineered to conduct environmental impact assessments with enhanced accuracy and operational efficiency. By integrating advanced communication technologies, the system facilitates real-time data collection, analysis, and seamless transmission, thereby enabling informed and timely decision-making in environmental monitoring and management. This achievement marks a significant stride in embedding AI-driven methodologies within environmental assessment frameworks and reinforces the institute's commitment to impactful research.



**Dr Divya Mishra**  
Associate Professor

### Department of Biotechnology



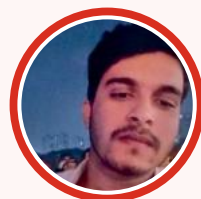
**Dr Richa Mittal**  
Assistant Professor



**Ms Kumari Shikha**  
Student



**Mr Aryan Kushwaha**  
Student



**Mr Kaushal Dubey**  
Student



**Mr Shobhit Kaushal**  
Student



**Mr Aryan Singh**  
Student

Registered a patent titled “Aptamer Functionalized Magnetoplasmonic Nanoparticle Biosensor System for Rapid Detection of Multidrug Resistant Bacteria” on 1 April 2026. The patent presents a rapid biosensor system using aptamer-functionalized magnetoplasmonic nanoparticles for the detection of multidrug-resistant (MDR) bacteria. It combines magnetic separation with plasmonic signal amplification, enabling highly sensitive, specific, and rapid detection compared to conventional methods. This system offers a cost-effective and efficient diagnostic approach with applications in clinical diagnostics, food safety, and environmental monitoring.



**Dr Richa Mittal**  
Assistant Professor



**Mr Aryan Kushwaha**  
Student



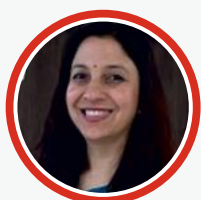
**Ms Kumari Shikha**  
Student

Published a patent titled “Time Synchronized Narrowband UV-B LED Illumination System with Controlled Spectral Irradiance for Cutaneous Cholecalciferol Induction.” Filed in the field of Biomedical Engineering, the innovation focuses on a controlled UV-B LED illumination system for efficient Vitamin D<sub>3</sub> induction. The patent highlights the team’s contribution towards biomedical technology and healthcare innovation.



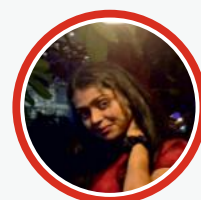
**Prof Narendra Kumar**  
Professor

Published a research article titled “Metal Organic Frameworks for Biosensing Applications: A Bibliometric Analysis” in Talanta (SCIE, Q1, Impact Factor ~6.1). The study presents a comprehensive bibliometric and scientometric analysis of global research trends in MOF-based biosensing over the past decade. It identifies key research hotspots, leading contributors, collaboration networks, and emerging directions shaping the future of biosensing technologies.

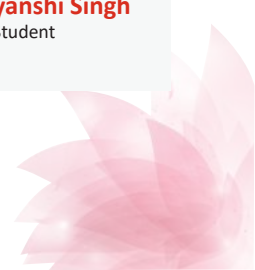


**Prof Rashmi Mishra**  
Professor & Head

Co-authored a research article titled “In-silico Screening of Lavandula angustifolia L. to Relieve Migraine: A Drug Repurposing Approach” published in the Allelopathy Journal (Scopus-indexed). The study employs computational (in-silico) methods to evaluate the therapeutic potential of Lavandula angustifolia (lavender) compounds for migraine management. It highlights promising bioactive molecules through drug repurposing strategies, offering a cost-effective and efficient pathway for identifying novel anti-migraine candidates.



**Ms Divyanshi Singh**  
Student



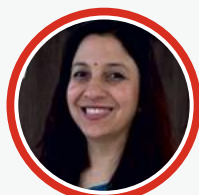


**Prof Rashmi Mishra**  
Professor & Head

Co-authored a review article titled “Therapeutic Potential of Rosemary Oil (*Rosmarinus officinalis* L.) in Alzheimer's Disease: A Review of Neuroprotective and Cognitive-Enhancing Effects” published in the *Allelopathy Journal* (Scopus-indexed) in March 2026. The study reviews the role of rosemary oil and its bioactive compounds, particularly 1,8-cineole, in improving cognitive function and managing Alzheimer's disease. It highlights mechanisms such as antioxidant activity, acetylcholinesterase inhibition, and reduction of neuroinflammation, supported by both preclinical and clinical findings.



**Ms Kanishka Choudhary**  
Student



**Prof Rashmi Mishra**  
Professor & Head



**Dr Dolly Sharma**  
Assistant Professor



**Dr Chhaya Agarwal**  
Assistant Professor

Co-authored a research article titled “Cinnamomum-Derived Essential Oils as Natural Antifungal Agents: Therapeutic Potential” published in the *Allelopathy Journal* (Scopus-indexed). The study evaluates the antifungal activity of *Cinnamomum zeylanicum* bark essential oil, extracted via hydrodistillation, against various fungal strains using the plate diffusion method. Results demonstrated significant antifungal efficacy, highlighting its potential as a natural and promising antifungal agent for broader therapeutic applications.

Co-authored a research article titled “Antimicrobial Efficacy of *Cinnamomum* Species Leaf and Bark Oils” published in the *Allelopathy Journal* (Scopus-indexed). The study investigates the antibacterial activity of *Cinnamomum zeylanicum* and *Cinnamomum tamala* leaf oils against a wide range of bacterial strains using the agar diffusion method. The results demonstrated significant antimicrobial potential, highlighting these essential oils as promising natural antibacterial agents for future therapeutic applications.



**Prof Rashmi Mishra**  
Professor & Head



**Dr Dolly Sharma**  
Assistant Professor

Co-authored the following papers:

“*Cinnamomum* Bark Oils: Antifungal Properties, Mechanisms of Action and Health” in the *Allelopathy Journal*. The study compares antifungal activities of *Cinnamomum zeylanicum* and *Cinnamomum camphora* bark oils against multiple fungal strains using diffusion, MIC, and time-kill assays. The findings highlight the strong potential of *C. zeylanicum* bark oil as a natural antifungal agent for medical, agricultural, and food preservation applications.

“*Cinnamomum* Bark Essential Oils Antibacterial Efficacy Against Enteric Pathogens: Implications for Human Health” in the *Allelopathy Journal*. The study evaluates the antibacterial activity of *Cinnamomum zeylanicum* bark essential oil against pathogenic enteric bacteria. The findings suggest that cinnamon bark oil has strong potential as a natural therapeutic agent for gastrointestinal infections and alternative treatment development against drug-resistant enteric pathogens.

### Department of CS



**Dr Sangeeta Arora**

Professor

Authored a book chapter titled “Blockchain and Federated Learning” in the Scopus-indexed book “Federated Learning in Finance: Unlocking Privacy-Preserving and Cyber Resilience using AI,” published by Taylor & Francis Group.



**Dr Kanika Singh**

Assistant Professor

Published three research papers in esteemed journals and conferences. Two studies focusing on high-performance computing, titled “Scalable and Distributed Systems for High Performance Computing” and “Recent Trends for Energy Efficient HPC,” were featured in the IEEE International Conference on Emerging Technologies and Innovation for Sustainability. Additionally, the paper “AI in Agriculture: Enhancing Smart Farming” was published in the MSW Management Journal, highlighting the transformative role of artificial intelligence in sustainable industry practices.

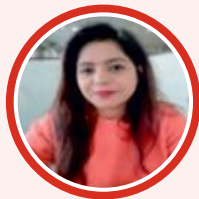
### Department of CSE



**Ms Swati Vishnoi**  
Assistant Professor



**Dr Ankur Sisodia**  
Assistant Professor



**Dr Mamta Chauhan**  
Assistant Professor

Published a research paper titled “Terrain-Aware Multimodal Change Detection (TAMC-CD)” in the Scopus-indexed Elsevier – ScienceDirect journal. The study introduces an innovative framework for precise environmental and land-use monitoring in mountainous regions, providing critical geospatial insights to support sustainable regional planning.



**Dr Mohd Nazim**

Assistant Professor

Published a research paper titled “AI-based Learning Models for the Life Cycle Prediction and Detection of Diabetes Disorders” in the Scopus-indexed journal Medical Data Mining. The research evaluates the efficacy of advanced deep learning architectures, specifically CNN and LSTM, in predicting diabetes. By addressing current challenges and future possibilities, the paper provides significant insights into leveraging AI for enhanced diagnostic accuracy and patient care in healthcare.

### Department of CSE (DS)



**Mr Utkarsh Mishra**  
Assistant Professor



**Mr Chandrapal Singh Arya**  
Assistant Professor

Published the following two research papers in the IEEE Xplore-indexed 2026 1st International Conference on Advancing Sustainable Solutions through Technologies (ICASST):

“Deep Learning in Cybersecurity: A Review of Attacks, Defences, and Interpretability Approaches,” which examines machine learning and deep learning models for intrusion detection systems, highlighting the effectiveness of ensemble and advanced techniques while addressing challenges such as class imbalance and real-time detection.

“Machine Learning for Network Intrusion Detection: Models, Datasets, and Evaluation Metrics,” which explores the role of deep learning in cybersecurity, including its applications in threat detection and associated risks such as adversarial attacks. The study emphasizes the importance of explainable AI approaches like SHAP and LIME to improve transparency while suggesting future directions for building robust and secure intelligent systems.





**Ms Honey Singh**  
Assistant Professor

Presented a research paper titled “Design and Analysis of Inverter Air Conditioner using GTO” at the 6th International Conference on Information Communication Technology and Computing (AICTC-2026). The study focuses on enhancing the efficiency and performance of air conditioning systems using GTO-based inverter technology, enabling improved power control and consistent cooling. This work contributes to the development of energy-efficient and reliable cooling solutions while fostering academic discussion at an international platform.



**Dr Saurabh Srivastava**  
Assistant Professor

Authored a book titled “Cancure: Leveraging Artificial Intelligence in Cancer Diagnostics,” published by Deep Science Publishing (ISBN: 978-93-7185-859-5) on 4 April 2026. The book explores the integration of Artificial Intelligence into cancer diagnostics, emphasizing its role in enhancing accuracy, speed, and clinical decision-making. This work highlights the potential of intelligent systems in transforming modern oncology and improving healthcare outcomes.

### Department of ECE



**Dr Niraj Agrawal**  
Assistant Professor

Published a research paper titled “Machine Learning-Assisted Design and Optimization of Ultra-Wideband Bandpass Filter” in AEU – International Journal of Electronics & Communications (SCI-Indexed, Impact Factor: 3.2). Co-authored with Mohd Sazid and Dr Manjey Ram Nagar, the study explores the transformative potential of machine learning in enhancing the design and optimization of ultra-wideband (UWB) bandpass filters. The work contributes towards the development of faster, smarter, and more efficient next-generation communication systems.



**Mr Rahul Agarwal**  
Assistant Professor

Published a research paper titled “Hybrid Deep Learning and Machine Learning Techniques for Intelligent Image and Signal Analytics” in the International Journal of Advances in Signal and Image Sciences (Scopus Q1). The paper presents a hybrid framework integrating ResNet18 for feature extraction with advanced machine learning classifiers such as SVM and XGBoost.

Also published another research paper titled “A Comparative Study of Low Noise Amplifier Towards Futuristic Advancement in Wireless Communication” in Discover Electronics (Springer Nature). The study provides a comprehensive review of CMOS-based Low Noise Amplifier (LNA) designs for mm-wave transceivers, examining key topologies including cascode, transformer feedback, and current reuse techniques to optimize gain, noise figure, and power efficiency.



**Mr Pradumn Kumar Gupta**  
Assistant Professor

Presented a research paper titled “Explainable Machine Learning Framework for Chronic Kidney Disease Prediction Using Multi-Model Comparative Analysis and LIME Interpretability” at the 2nd IEEE Xplore Conference 2026 International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI), Greater Noida. The study presents a robust approach to CKD prediction, where XGBoost and Random Forest achieved accuracies of 98.8% and 98.5%, respectively. The work also leverages LIME interpretability to identify key biomarkers, enhancing transparency and reliability in clinical diagnosis.



**Mr Aditya Kumar Gupta**  
Student



**Mr Vikash Kumar**  
Student



**Mr Devashish Mallick**  
Student



**Ms Swarnima**  
Assistant Professor

Presented two research papers at reputed international conferences in 2026:

“Optimized VLSI Design of 8-bit Arithmetic Logic Circuits for SoC Applications,” presented at ICCISD, Greater Noida, focusing on efficient 8-bit VLSI design using Xilinx ISE 14.7.

“Evolutionary Path of Adder Design in VLSI: From Logic-Gate Optimization to Reversible and Quantum Domains,” presented at Micro2026, exploring advanced adder architectures and emerging technologies like reversible logic and QCA.



**Ms Ranjana Singh**  
Assistant Professor

Presented a research paper titled “A Smart Approach for Efficient Waste Management for a Sustainable Future” at the 8th International Conference on Computing and Informatics. The study proposes a smart IoT-enabled waste bin using ultrasonic, IR, and gas sensors integrated with the Blynk app for real-time alerts and efficient waste monitoring.



**Mr Satyam Kumar**  
Student



**Dr VK Pandey**  
Professor



**Mr Gantavya Srivastava**  
Student



**Mr Shiwansh Prakash**  
Student



**Mr Deepak Kaushik**  
Student

Presented a research paper titled “Smart Count Down Timer: Embedded Design and Accuracy Evaluation of a Microcontroller-Based Timing Device” in the proceedings of IC3I-2026, Greater Noida. The study develops a low-power, offline-first smart countdown timer with LCD display, button controls, and audible alert functionality.



**Ms Nidhi Sharma**  
Assistant Professor



**Mr Rishi Ranjan Sharma**  
Student



**Ms Shivani Kumari**  
Student



**Mr Tarun Singh**  
Student

Presented a research paper titled “IoT Based Smart Healthcare Asset Tracker with Environmental Monitoring and Theft Prediction” at IC3I 2026. The work introduces an IoT-enabled system for real-time healthcare asset tracking integrated with environmental monitoring and theft prediction.



**Dr Sarabjeet Kaur**  
Assistant Professor



**Mr Ankit Yadav**  
Student



**Mr Ayush Kumar**  
Student



**Mr Bhavesh Kumar Thakur**  
Student

Presented a research paper titled “SignalSense: Adaptive Traffic Light Management using Machine Learning and IoT” at the 3rd International Conference on Multi-Strategy Learning Environment (ICMSLE-2026), organized by Sharda University, Greater Noida. The study proposes an intelligent traffic management system leveraging machine learning and IoT to dynamically optimize traffic signals.



**Dr Sarabjeet Kaur**  
Assistant Professor



**Mr Vinit Kumar Singh**  
Student



**Mr Vivek Tiwari**  
Student



**Mr Aditya Kumar**  
Student



**Mr Devanshu Shekher**  
Student

Presented a research paper titled “Design and Implementation of TinyML-Based Assistive Communication System” at the 13th International Conference on Microelectronics, Circuits & Systems (Micro2026).



**Ms Deepti Mehta**  
Assistant Professor



**Mr Anurag Kumar Shrivastava**  
Student



**Mr Shubhankar Satyam**  
Student



**Ms Priya Kumari**  
Student

Presented their research work titled “Design and Implementation of a Solar-Powered Smart Car with an Automatic Braking System” published in IJSRCSEIT, April 2026. The study showcases a low-cost solar-powered smart car built using Arduino Uno with ultrasonic sensing, Bluetooth control, and an automatic braking system.



**Ms Shikha Singh**  
Assistant Professor



**Mr Sumit Kumar Gupta**  
Student



**Mr Diplesh Kumar Verma**  
Student



**Mr Anurag Upadhyay**  
Student

Presented their research work titled “AI Powered Vehicle Tracking and Safety System” published in IJIRT, Volume 12, Issue 11, April 2026. The study introduces an Arduino Nano–based smart vehicle system integrating Bluetooth control, drowsiness detection, GPS tracking, and GSM-based SOS alerts for enhanced safety and monitoring.



**Ms Swarnima**  
Assistant Professor



**Mr Ujjwal Pratap Singh**  
Student



**Mr Atharv Sinha**  
Student



**Mr Ankush Kumar**  
Student

Presented a research paper titled “DHRISHTI: An IoT-Based Smart Surveillance and Automated Response System Using ESP32-CAM and Robotic Arm” at Micro2026, Greater Noida, 2026. The work proposes an intelligent surveillance system integrating IoT, real-time monitoring, and automated response mechanisms.



**Ms Neha**  
Dy HoD & Assistant Professor



**Mr Sumit Kumar Singh**  
Student



**Mr Prabhakar Kumar Singh**  
Student



**Mr Kundan Kumar Dubey**  
Student



**Mr Ankur Singh**  
Student

Presented their research work titled “Radar and Missile Defense System using Arduino Uno” published in IJMSRT, April 2026. The study demonstrates a low-cost prototype system enabling real-time object detection and tracking through ultrasonic sensing and servo-based scanning.



**Mr Mohammad Raza**  
Assistant Professor



**Mr Mukul Sharma**  
Student



**Mr Somya Pandey**  
Student



**Mr Nitin Kaushik**  
Student

Published a review paper titled “A Review on IoT and AI-Based Predictive Energy Management Systems for Smart Buildings and Campuses” in IJFMR, Volume 8, Issue 2 (March–April 2026). The paper explores how IoT, AI, and machine learning can transform traditional energy systems into predictive and adaptive models for improved efficiency and sustainability.

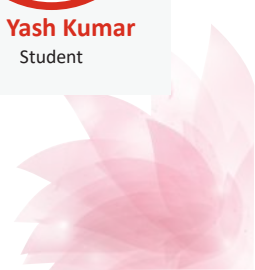


**Mr Sumit Singh Chauhan**  
Student

Presented a research paper titled “Vision Driven Adaptive Traffic Signal Control Using Deep Learning and FPGA-Based Finite State Machines” at the 2025 IEEE International Conference on Emerging Technologies and Innovation for Sustainability. The system demonstrated nearly 30% reduction in vehicle queue length and waiting time through YOLOv8-based detection and FPGA-based control.



**Mr Yash Kumar**  
Student





**Ms Kanika Jindal**  
Dean Student Welfare



**Mr Sarthak Vaish**  
Student



**Mr Satyam Chaudhary**  
Student

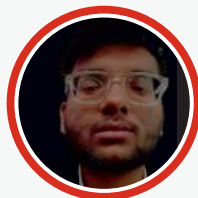


**Mr Ayush Suryavanshi**  
Student

Presented a research paper titled “Design and Analysis of Microstrip Antenna for 5G Applications” at IC3I-2026, Amity University, Greater Noida. The study focuses on enhancing antenna performance for 5G systems by optimizing bandwidth, gain, and radiation efficiency.



**Mr Ramandeep Singh**  
Student



**Mr Rishi Raj**  
Student



**Mr Aryan Yadav**  
Student

Published a patent on a “Gesture Control Gaming Console.” The system enables users to control games through natural hand movements using an ESP32 microcontroller and MPU6050 sensor, eliminating the need for traditional controllers.

### Department of IoT



**Dr Mamta Chauhan**  
Assistant Professor

Published a research paper titled “A Survey on Artificial Intelligence-Enabled VANETs for Smart Automotive Systems” in IJCN. The paper explores the integration of Artificial Intelligence in vehicular ad hoc networks (VANETs) to enhance the efficiency, safety, and intelligence of transportation systems.



**Dr Ankur Sisodia**  
Assistant Professor

Published a research paper titled “Terrain-Aware Multimodal Change Detection (TAMC-CD)” in the Scopus-indexed international journal Franklin Open (Elsevier – ScienceDirect, Q2). The study proposes an advanced framework for accurate land-use and environmental change detection in mountainous regions using multimodal satellite imagery and terrain-aware analysis.



**Dr Mamta Chauhan**  
Assistant Professor

### Department of Languages



**Ms Hina Koser**  
Assistant Professor

Authored a book chapter titled “Diverse Voices: The Impact of Language and Dialect on Communicative Expressions in American Writing” published in the volume “Many Americas: Mapping the Terrains of American Literatures,” edited by Dr Rajani Sharma and published by Pacific Books International. The chapter explores how language and dialect function as powerful tools for expressing cultural diversity and shaping communicative expressions in American literature.



**Dr Yusuf Mehdi**  
Associate Professor & Deputy Head

Published a research paper titled “From Sherlock Holmes to Stranger Trilogy: A Study of Crime Fiction’s Enduring Legacy” in the Journal of World Languages and Culture (JWLC), Vol. I, Number 1, June 2025. Co-authored with Dr Suman Chauhan, the paper explores the enduring appeal of crime fiction through a comparative study of Sherlock Holmes stories and Novoneel Chakraborty’s Stranger Trilogy.



**Ms Hina Koser**  
Assistant Professor



**Dr Nidhi Mehta**  
Assistant Professor

Published a book chapter titled “The Transformative Power of Theatre in Developing Essential Skills” in the book “Theatre in Education: NEP 2020 and the Role of Theatre, Arts and Culture in Higher Education Institutions (HEIs),” sponsored by ICSSR. The chapter explores the role of theatre in fostering creativity, communication, collaboration, and problem-solving skills.



**Dr Pooja Mann**  
Assistant Professor

Published a research paper titled “Singing Beyond Borders: Globalization, Technology, and the Gendered Commercialization of Haryanavi Women’s Folk Songs” in the Asian Women Journal, an SSCI and Scopus-indexed journal. The paper examines the impact of globalization and technology on the transformation and commercialization of Haryanavi women’s folk songs.



**Dr Krishna Kumar**  
Assistant Professor

Published a research paper titled “From Spatial Migration to Mental Exile: Trauma, Nostalgia, and Emotional Dislocation in Bhikhari Thakur’s Bidesiya” in The Journal of African Development, indexed in Scopus and ABDC. The paper explores migration, trauma, nostalgia, and emotional displacement in Bhikhari Thakur’s Bidesiya.

### Department of ME



**Dr Abdhesh Kumar**  
Assistant Professor

Published a research paper titled “Tool Pin Geometry Effects in Friction Stir Additive Manufacturing of AA7075-O/ZrO<sub>2</sub>/Graphene Composites” in the journal Progress in Additive Manufacturing. The paper explores the impact of tool pin geometry on the microstructural and mechanical properties of advanced hybrid composites, contributing valuable insights to the evolving field of additive manufacturing and materials engineering. The research holds strong implications for enhancing performance and efficiency in next-generation manufacturing technologies.

Published a research paper titled “Influence of Heat Input on Phase Balance, Microstructural Evolution, and Mechanical Performance of Super Duplex Stainless Steel Welded by Gas Tungsten Arc Welding” in the Journal of Materials Engineering and Performance. The paper investigates the critical role of heat input in determining phase balance, microstructural characteristics, and overall mechanical performance of super duplex stainless steel during welding. This research contributes valuable insights to the field of materials engineering, particularly in improving welding practices for high-performance alloys.



**Dr Rajeev Kumar**  
Assistant Professor



**Dr Shahazad Ali**  
Assistant Professor



**Dr Anant Prakash Agrawal**  
Assistant Professor

Published the following research papers:

“Investigation of Stresses and Fatigue Life Prediction of Crankshafts Under Cyclic Loading Using FEM Approach” in Applied Research. The study focuses on analysing stress distribution and predicting fatigue life of crankshafts under cyclic loading using finite element methods, offering valuable insights for improving the durability and reliability of mechanical components.

“Influence of Heat Input on Phase Balance, Microstructural Evolution, and Mechanical Performance of Super Duplex Stainless Steel Welded by Gas Tungsten Arc Welding” in the Journal of Materials Engineering and Performance. The paper examines the influence of heat input on phase balance and mechanical properties in welded super duplex stainless steel, contributing to advancements in welding processes and material performance.



**Dr Anant Prakash Agrawal**  
Assistant Professor

Published a paper titled “A Decision-Oriented Framework for Risk-Based Maintenance Planning in High-Performance Mechanical Systems Using Entropy-Integrated FMEA–MCDM Approaches” in the Journal of Engineering Management and Systems Engineering. The paper presents a structured framework for risk-based maintenance planning, integrating advanced decision-making techniques to enhance system reliability and efficiency.

### Pharmacy Institute



**Dr Avijit Mazumder**  
Professor and Director

Published a paper titled “Inflammopharmacological Perspectives in Gout: Clinical Response Evaluation, Drug Safety, and Emerging Therapeutic Strategies” in the Journal of Chemical Health Risks. The study integrates clinical outcomes, pharmacological mechanisms, and emerging therapies, offering valuable insights into gout management.



**Mr Nitish Sengar**  
PG Student



**Dr Avijit Mazumder**  
Professor and Director



**Dr Priyanka Bansal**  
Assistant Professor



**Mr Harsh Rana**  
Student

Published a paper titled “Beyond Glycemic Control: The Polyol Pathway, AGE–RAGE Axis, and Sperm DNA Fragmentation as Drivers of Diabetic Male Infertility” in the International Journal of Drug Delivery Technology. The review highlights the role of the polyol pathway and the AGE–RAGE axis in oxidative stress and sperm DNA fragmentation in diabetic men, providing insights into mechanisms contributing to male infertility.



**Dr Avijit Mazumder**  
Professor and Director



**Dr Priyanka Bansal**  
Assistant Professor



**Mr Ansh Tripathi**  
Student

Published a paper titled “Emerging and Novel Molecular Targets in Obesity: Advances Toward Precision Anti-Obesity Pharmacotherapy” in the International Journal of Drug Delivery Technology. The study explores key metabolic enzymes and inflammatory pathways involved in lipid and glucose imbalance, highlighting potential targets for precision anti-obesity therapies.



**Dr Rupa Mazumdar**  
Professor and Dean

Published a research article titled “Formulation and Characterization of CCD-based Optimized Geraniol-loaded Antidiabetic Niosomes” in Current Drug Metabolism. The study highlights the potential of geraniol-loaded niosomes as an innovative approach for managing type 2 diabetes, supporting further clinical research for therapeutic application.



**Mr Nitesh Kumar Yadav**  
PG Student



**Dr Rupa Mazumder**  
Professor and Dean



**Ms Megha Rani**  
Student



**Dr Anjna Rani**  
Assistant Professor



**Dr Rakhi Mishra**  
Professor

Published a review paper titled “Ophthalmic Inflammation: Evolving Strategies and Therapeutic Hurdles” in Recent Advances in Inflammation & Allergy Drug Discovery. The review comprehensively explores the pathophysiology of ocular inflammation, including uveitis, scleritis, keratitis, and conjunctivitis, along with their epidemiology and global impact.



**Ms Bhavani Pentela**  
Research Scholar



**Dr Rupa Mazumder**  
Professor and Dean



**Dr Avijit Mazumder**  
Professor and Director

Published a PhD research paper titled “Advances in Liver Organoid Technology: A Paradigm Shift in Hepatic Research and Therapeutics” in Current Pharmaceutical Design. The review highlights recent developments in liver organoid technology, focusing on cellular sources, engineered extracellular matrices, and bioactive signaling pathways. It also explores advanced techniques such as CRISPR/Cas9, viral transduction, 3D bioprinting, and liver-on-a-chip systems.



**Ms Neha Sharma**  
Research Scholar

Published her PhD research paper titled “In Search of Novel PD-1 Inhibitor from Natural Products by High-Throughput Virtual Screening and Molecular Dynamics Simulation” in the open-access journal PLOS One. The study focuses on identifying novel PD-1 inhibitors from natural compounds using advanced computational techniques. It provides the first evidence of Mahuannin D's PD-1 inhibitory mechanism, expanding its potential application in immunotherapy.



**Dr Rupa Mazumder**  
Professor and Dean



**Dr Saumya Das**  
Professor

Published a research paper titled “Nanoformulation Strategies for Phoenix dactylifera Bioactives: Phytochemical Profile, Mechanistic Insights, and Translational Challenges” in the Journal of Chemical Health Risks. The review provides a comprehensive synthesis of nanoformulation approaches for herbal phytoconstituents, with a particular focus on the applications of Phoenix dactylifera bioactives.



**Shrishty Bahuguna**  
Student





**Dr Rakhi Mishra**  
Professor

Published her PhD research paper titled “Pyrazolidine-3,5-dione Derivatives: Synthesis, Computational, and In Vitro Screening Targeting Breast Cancer” in the Russian Journal of General Chemistry. The study reports the synthesis of novel pyrazolidine-3,5-dione derivatives via Knoevenagel condensation and evaluates their anticancer potential through in vitro MTT assay studies.



**Ms Shruti Varshney**  
Research Scholar



**Ms Kavita Rana**  
Research Scholar



**Dr Salahuddin**  
Professor



**Dr Avijit Mazumdar**  
Professor

Published a research paper titled “Synthesis, Anticonvulsant and Antidepressant Evaluation of Some New 2-heptyl-1-(5-substituted phenyl-[1,3,4]oxadiazol-2-ylmethyl)-1H-benzimidazole Derivatives” in the Indian Journal of Heterocyclic Chemistry. The study reports the synthesis of novel benzimidazole derivatives and evaluates their anticonvulsant and antidepressant potential.



**Mr Abhijit Debnath**  
Research Scholar

Successfully defended his final PhD viva voce at Dr APJ Abdul Kalam Technical University and received appreciation for his research work. His thesis, titled “Identification of a Novel Anticancer Agent for the Treatment of Breast Cancer,” focused on the discovery of novel CDK4/6 inhibitors using a multi-faceted approach integrating high-throughput virtual screening, fungal secondary metabolites, and marine natural products.



**Dr Rupa Mazumdar**  
Professor and Dean



# Editorial – Celebrating Holistic Excellence

## Dear Reader

April 2026 was nothing short of electric, perfectly capturing the spirit of our landmark Silver Jubilee Year. In this May '26 issue of NIET Pulse, we celebrate the milestones of a truly remarkable journey—one built on academic excellence, visionary growth, and the pursuit of meaningful innovation that serves society.

The evolution of the Pharmacy Institute stands as a compelling reflection of NIET's broader transformation. Established upon a strong academic foundation, the institute has progressively developed into a holistic centre of learning that seamlessly integrates research, industry engagement, experiential education, and innovation-driven pedagogy. The Director, Pharmacy Institute, chronicled this advancement in his interview with 'Pulse'.

Innovation and sustainability remained central to the institutional narrative this month with the national recognition conferred upon the NIET start-up Uneako at the Outlook Planet Net Zero C3 Awards 2026. Honoured for its pioneering work in zero-plastic event solutions and emission-reduction initiatives, the achievement highlights the growing culture of entrepreneurial thinking and socially conscious innovation that defines the NIET ecosystem.

Campus life during the month was equally vibrant, marked by celebrations that fostered creativity, collaboration, and community engagement. Events such as Bollywood Day and Ebullience 2026 infused the campus with enthusiasm and cultural dynamism, bringing together students and faculty through performances, competitions, and sporting activities. Beyond entertainment, these events reflected the inclusive and spirited environment that continues to enrich the NIET experience beyond classrooms and laboratories.

A defining academic and innovation-oriented milestone of the month was India Design Week 2026, hosted at NIET in collaboration with ICT Academy and sponsored by Autodesk. Bringing together 99 teams from over 50 institutions across North India, the intensive 24-hour design challenge created a high-impact platform for ideation, rapid prototyping, and interdisciplinary collaboration.

This edition also proudly acknowledges the participation of Dr. Neema Agarwal, AMD, as a distinguished panellist at the HR Success Talk – Annual HR Conference & Awards 2026. Her perspectives on evolving workplace culture, leadership expectations, and the aspirations of Gen Z professionals reflected NIET's active engagement with contemporary industry discourse and future workforce development.

Most significantly, this edition celebrates the exceptional placement accomplishments of the Batch of 2026. With more than 3100 placements, participation from over 500 recruiters and the highest package reaching ₹44 LPA, NIET continues to establish new benchmarks in career readiness and industry integration.

With a legacy, that grows stronger each year, NIET marches forward with confidence, innovation, and an enduring commitment to creating meaningful impact through education, research, and societal advancement.

Best Regards  
Editorial Team  
*Pulse, NIET*

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- Sharad Ray

### Enquiry

 +91-8010 500 700

 admission@niet.co.in | www.niet.co.in

 19, Knowledge Park-II, Institutional Area,  
Greater Noida (UP)



*Designed by*

• Mr Junaid Saifi • Mr Raman Pal

