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PULSE

MONTHLY NEWSLETTER

APR-2026

Noida Institute of Engineering & Technology, Greater Noida

Meet the LEADER.

An interview with **Dr Vinod M. Kapse, Director, NIET**

You have seen this institute grow through various milestones. From gaining autonomy to reaching new heights in NIRF rankings. Personally, how does it feel to be at the helm of the NIET family in 2026

Leading NIET at this stage of its journey is both a privilege and a defining responsibility. Having closely witnessed its remarkable journey, from becoming the first private autonomous institute in Uttar Pradesh to achieving new milestones in NIRF rankings, this phase feels truly transformative and fulfilling.

What makes this journey meaningful is not just the milestones we have achieved, but the ecosystem we have built together. Today, all eligible programmes are NBA accredited, the institute holds NAAC accreditation, and we have earned a prestigious Diamond Subject Rating from QS I-Gauge. We take pride in being among the few institutions in North India with strong twinning programmes and global collaborations, supported by over 25 Centres of Excellence and 25+ MoUs with leading national and international universities.

Equally significant is the vibrant academic and innovation ecosystem we have built – ranging from an industry-aligned curriculum and a strong startup culture to consistently excellent placement outcomes. The growth of our student strength from 4,000 to over 12,000 reflects the trust and confidence that students and parents place in NIET. This academic progress is further strengthened by the institute's alignment with the National Education Policy (NEP), promoting interdisciplinary learning, skill-based education, and flexibility in curriculum design.

On a personal level, leading the institute during such a dynamic phase is both humbling and inspiring. It strengthens my commitment to further elevate NIET as a centre of academic excellence, innovation, and global relevance; while continuing to nurture future-ready professionals and a legacy we can all take pride in.

When you're walking across the NIET campus between meetings, what is the most rewarding sight or interaction that makes you feel the institute is truly thriving?

As I walk across the NIET campus, seeing students actively immersed in discussions, whether on projects, startup ideas, or competition preparation, gives me a deep sense of satisfaction. Their curiosity, confidence, and enthusiasm truly reflect the vibrant academic environment we strive to create.

Equally fulfilling are the spontaneous interactions, students sharing their achievements with pride, faculty going beyond the classroom to mentor, and teams collaborating in labs and Centres of Excellence even after hours. These moments clearly show that learning at NIET extends beyond textbooks, evolving into innovation and real-world problem-solving.

I also feel particularly satisfied with the initiatives we have introduced in the teaching–learning process, such as workshop-driven and lab-integrated classes, along with focused employability skills training, which are clearly reflected in improved student outcomes and

Placements. One of our most unique initiatives has been enhancing communication skills through activity-based learning. It is encouraging to see students actively enjoying this approach, with visible improvement in their confidence and communication abilities.

It is equally inspiring to see students from diverse backgrounds collaborating seamlessly, participating in clubs, hackathons, and various co-curricular activities. This reassures me that NIET is not just growing in numbers but evolving into a vibrant and holistic ecosystem. The campus energy is truly reflected in its vibrant extra-curricular activities too – from sports and theatre to music, dance, poster-making, skits, and nukkad nataks – where students actively build creativity, confidence, and teamwork.

These everyday experiences reaffirm that we are on the right path, nurturing talent, fostering creativity, and building a culture where everyone is motivated to excel.

NIET has the edge of being autonomous. How are we using that flexibility to make sure our students aren't just learning about AI, but actually staying ahead of the industry?

Being autonomous gives us the agility to move at the pace of the industry, and that is exactly how we are positioning our students in the field of AI. Rather than being confined to rigid curricula, we continuously update our programmes to align with emerging technologies such as machine learning, generative AI, data science, and intelligent systems.

Our focus is not just on teaching concepts, but on learning by doing. We have integrated lab-driven and project-based courses where students work on real-world problem statements, often in collaboration with industry partners. Through our Centres of Excellence and industry collaborations, students get hands-on exposure to the latest tools, platforms, and use cases in AI. Recently, we have established the centre of excellence for NVDIA H100 GPU, it gives the bandwidth to develop AI based projects and published research papers and patents.

We have also embedded AI across disciplines in first year itself, ensuring that students from different branches understand its applications in their respective domains. In addition, value-added courses, certifications, hackathons, and internships are designed to keep them aligned with current industry needs.

Another key aspect is our strong emphasis on employability and future skills, critical thinking, problem-solving, and communication, so that students are not just technically sound but also industry ready.

In addition to strengthening students' AI skill sets, the institute has introduced an AI certification policy for faculty members to equip them with relevant AI competencies.

In essence, autonomy enables us to anticipate change rather than respond to it. It empowers us to design an ecosystem where students don't just learn AI, they experiment with it, innovate with it, and stay ahead of the curve.

Which recent campus collaborations or Centres of Excellence do you think have been the real 'game-changers' for our placement quality and packages this year?

This year, our strong industry collaborations and Centres of Excellence (CoE) have truly been gamechangers in elevating both placement quality and salary packages.

We have built a robust ecosystem with **27 industry-supported labs,** including the AICTE-sponsored IDEA Lab, AR/VR Lab, NVDIA CoE, Wipro CoE, Cloud Analogy, L&T Mindtree, Cisco Networking Academy, PTC Centre of Excellence, and the Mercedes CoE. These platforms provide students with hands-on exposure to industry-relevant tools and technologies, going far beyond traditional classroom learning.

A major highlight this year is the upcoming state-of-the-art Capgemini Experiential Centre, spread across 15,000 sq. ft. This advanced facility will include 5G and PLM labs, a dedicated training arena, collaboration spaces, and innovation zones—creating an immersive, real-world learning environment for students.

Importantly, these labs remain accessible beyond regular academic hours, allowing students to continuously upskill, work on live projects, and gain practical experience aligned with industry needs.

In addition, our School of Future Skills, supported by Intellect Design Arena, Chennai, has played a crucial role in shaping well-rounded professionals. By focusing on design thinking, critical thinking, teamwork, leadership, communication, creativity, and problem-solving, we ensure that students are not only technically strong but also industry ready.

Together, this integrated ecosystem of advanced labs, industry partnerships, and future-focused skill development has significantly enhanced our students' employability, resulting in better placement quality and higher packages. For me, all the centres are important.

If you could set one 'Director's Challenge' for the student body for the remainder of this academic year, what would it be?

I would encourage every student or team to identify a real-world problem—whether from industry, society, sustainability, or daily life—and develop a working solution using their technical knowledge and creativity. It could be an AI-based application, a product prototype, a startup idea, or even a process innovation—but it must go beyond theory and result in something tangible.

The challenge would not end at building; students should aim to validate it—through internships, industry mentorship, user testing, or even pitching it as a startup. The goal is to move from conceptual understanding to solution-driven thinking.

Alongside this, I would expect students to demonstrate strong collaboration, communication, and ownership—because these are the qualities that truly define success in the real world.

If every student takes up this challenge seriously, by the end of the year, we won't just have graduates—we will have innovators, problem-solvers, and future leaders ready to make a meaningful impact.

I would also encourage students to engage with real-world social challenges, as meaningful innovation must ultimately contribute to societal progress.

Dr Vinod M. Kapse

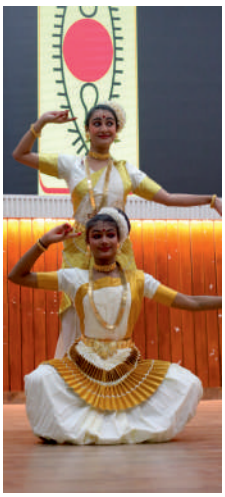
Director, NIET

Empowering Voices, Celebrating Strength: International Women's Day 2026

The institute celebrated International Women's Day on 7th March 2026 with an inspiring event titled “Give to Gain,” bringing together empowerment, dialogue, and cultural expression. The celebration served as a meaningful platform to recognize and honour the invaluable contributions of women while fostering a spirit of inclusivity and growth within the academic community. The event featured an insightful talk by Ms. Gallaudet Howard, whose engaging address highlighted the importance of resilience, leadership, and mutual support in shaping empowered communities. Adding a rich cultural dimension to the celebration was a mesmerizing Mohiniyattam performance by Padma Shri awardee Guru Bharati Shivaji, captivating the audience with its grace and depth.

The programme was held in the esteemed presence of Hon'ble Additional Managing Director, Dr. Neema Agarwal, whose continued commitment to empowering women in education and leadership remains a source of inspiration. Faculty members, staff, and the wider institute community participated enthusiastically, making the occasion both vibrant and impactful. The celebration stood as a testament to the institute's dedication to promoting gender equity, encouraging dialogue, and nurturing an environment where women are empowered to lead, inspire, and excel.








Woman of Substance:

The Women's Day Celebration Committee at the Noida Institute of Engineering and Technology (NIET) conferred the prestigious "Woman of Substance" award upon Dr Anjana Rani Gupta, Dean (Academics) First Year & Head (Mathematics) was selected for her multifaceted contributions to the institution and the community. The committee noted that the award recognizes more than just academic excellence; it honors Dr. Gupta's exceptional leadership and her unwavering dedication to advocating for the advancement of women and girls around. The award highlighted Dr Gupta as a role model for both faculty and students alike, cementing her reputation as a pillar of the NIET academic community.

Creativity in Bloom: Women's Day through Digital Art

The spirit of International Women's Day was felt across the NIET campus in the first week of March as students traded their textbooks for digital canvases. Organized by the Internal Committee, the Intra-Institute Digital Poster Making Competition brought together a diverse group of students to reflect on a powerful and thought-provoking theme: 'Give to Gain.'

The competition saw an outpouring of enthusiasm, with participants from various departments interpreting the theme through vibrant visuals and poignant captions. From exploring the concept of selflessness to highlighting the reciprocal nature of empowerment, the digital entries showcased both technical skill and deep social awareness. With such a high standard of entries, the panel of judges faced a significant challenge in selecting the top three designs. We would like to extend our gratitude to our esteemed judges for their time and expertise: Dr Tripti Sharma (HoD CSE), Ms Shweta Singh (Assist. Prof. CSE-AI), Ms Ruchika (Assist. Prof. CSE-AI). After careful deliberation, the following students were recognized for their exceptional creativity and alignment with the theme:

First Prize: Mr. Amrendra Singh, B. Pharma, Third Year

Second Prize: Ms. Priyanshi Bansal, CSE, First Year

Third Prize: Ms. Khushboo Gupta, BCA, Second Year

Congratulations to our winners and to every student who participated! Your work serves as a beautiful reminder that when we give our voices to a cause, we all gain a more inclusive and inspired community.

Pen Your Thoughts – Celebrating Strength, Respect, and Equality

On the occasion of International Women's Day, male faculty members actively expressed their solidarity by participating in the “Pen Your Thoughts” initiative. The activity encouraged reflection on the role men can play in fostering gender equality and supporting women's empowerment.

All the quotes reflected a clear understanding and genuine respect for women, emphasizing the importance of inclusion, recognition, and shared responsibility. The initiative served as a meaningful step towards promoting awareness and building a more supportive and equitable academic environment.

The best quote of the day, by Dr. Manish Kaushik, DSW, was recognized with an award of appreciation.

ICAMMTS-2026: A Confluence of Research Innovation, and Global Expertise

The Department of Mechanical Engineering at NIET, Greater Noida, successfully organized the International Conference on Advanced Materials, Manufacturing & Thermo-Fluid Systems (ICAMMTS-2026) on 27–28 March 2026 in hybrid mode. The conference brought together global researchers, academicians, and industry experts to present cutting-edge research and foster interdisciplinary collaboration across emerging engineering domains. The inaugural ceremony was graced by Dr. Sabita Madhvi Singh, Director, National River Conservation Directorate, Ministry of Jal Shakti, as Chief Guest, and Prof. Somnath Chattopadhyaya, IIT-ISM Dhanbad, as Guest of Honour. The valedictory session featured Dr. Pramod Kumar Singh, Sharda University, as Chief Guest, and Dr. Praveen Pachauri, Government Polytechnic, Siwan, as Guest of Honour.

The conference featured keynote addresses by Prof. Somnath Chattopadhyaya (IIT-ISM Dhanbad), Prof. Sergej Hloch (VSB–Technical University of Ostrava, Czech Republic), Prof. Anil Kumar (DTU Delhi), and Dr. Deepa Oberoi (University of Leicester, UK), enriching the academic discourse. The organizers acknowledge the visionary leadership and support of Dr. Sarojini Agarwal, Dr. O.P. Agarwal, Dr. Neema Agarwal, and Dr. Vinod M. Kapse, Director, NIET. Sincere thanks are extended to all authors, session chairs, organizing committee members, faculty, and student volunteers for making ICAMMTS-2026 a grand success.

Leading Beyond Boundaries: NIET Hosts Transformative Outbound Leadership Programme

NIET Greater Noida organized a two-day outbound Leadership Programme at Manesar on 21st–22nd March for its Directors, Deans, and Heads of Departments. Conducted by trained professionals, the programme brought together institutional leaders for an engaging experience focused on growth, collaboration, and experiential learning.

Through a blend of insightful sessions and hands-on activities, participants enhanced their leadership capabilities, encouraged innovative thinking, and strengthened team dynamics. The initiative aimed at empowering academic leaders to lead with greater confidence and vision.

Leading with Purpose: Dr. Neema Agarwal Recognized for Transformative Impact

"The Additional Managing Director, Dr. Neema Agarwal, has been featured in the prestigious publication Outlook Publishing (India) Pvt. Ltd. under "Women: Torchbearers of Viksit Bharat," recognizing inspiring women who are shaping the future of the nation. Her exemplary leadership, vision, and unwavering commitment to education continue to empower students and drive academic excellence at the institute."

Reconnecting Roots, Celebrating Legacy: Alumni Meet – Pune Chapter

The institute hosted a memorable Alumni Meet for its Pune Chapter on 21st March 2026, bringing together alumni for an evening of nostalgia, networking, and renewed connections. The gathering served as a vibrant platform to relive cherished moments, rekindle old bonds, and celebrate the enduring spirit of the institute community. More than just a reunion, the event reflected the journey of growth and achievement shared by its alumni. From heartfelt interactions and shared memories to inspiring conversations about professional milestones, the evening beautifully captured the strength of the institute's legacy.

The meet also fostered meaningful engagement, encouraging alumni to reconnect not only with their peers but also with the institute, opening avenues for collaboration, mentorship, and future initiatives. Filled with warmth, laughter, and a sense of belonging, the Alumni Meet – Pune Chapter stood as a testament to the lifelong relationships nurtured at the institute, where memories are treasured, connections are strengthened, and new beginnings take shape.

Seven Days, Lasting Change: NSS Special Camp at Village Mathurapur

The institute's National Service Scheme (NSS) unit organized a transformative 7-day outreach programme at Village Mathurapur, turning a week of dedicated service into a powerful journey of impact and community engagement. The initiative brought together enthusiastic student volunteers who worked tirelessly to address local needs while fostering a spirit of social responsibility and leadership. Throughout the week, students actively participated in a wide range of activities, including village mapping, household surveys, teaching school children, health and awareness camps, cleanliness drives, plantation initiatives, and skill-based training sessions. Each day was thoughtfully designed to contribute meaningfully to the community while providing students with hands-on experiential learning.

The programme commenced with a village mapping survey and fire safety training, followed by household surveys to understand local challenges. Volunteers then engaged with young learners through teaching sessions, promoting education and awareness. Cleanliness drives and CPR training emphasized health and hygiene, while self-defence sessions and a health camp focused on well-being and empowerment. The plantation drive underscored environmental responsibility, and the camp concluded with impactful awareness campaigns through nukkad natak, effectively engaging the community.

This immersive experience not only created tangible change on the ground but also instilled in students a deeper sense of empathy, teamwork, and civic duty. The NSS camp stands as a testament to the institute's commitment to nurturing socially conscious individuals – leaders who are not only academically proficient but also dedicated to driving meaningful change in society

Hands-on Generative AI workshop

The Department of Artificial Intelligence & Machine Learning (AIML) organized a Generative AI Workshop for third-year students from 9 March 2026 to 30 March 2026. Designed as a fully hands-on learning experience, the workshop enabled students to actively engage in lab sessions and work on real-world Generative AI projects. Their enthusiasm, creativity, and consistent participation made the programme highly impactful, while also ensuring an enjoyable and immersive learning environment.

The sessions significantly enhanced students' practical understanding and technical skills in Generative AI, preparing them for emerging industry demands. The workshop was conducted under the expert guidance of Ms Al Yusra Sikander, Mr Subash, and Dr Mohammad Shahid, whose mentorship and support greatly enriched the overall learning experience.

Wipro COE Skilling Programme

The Departments of Artificial Intelligence (AI), Artificial Intelligence & Machine Learning (AIML), and Data Science (DS) collaboratively conducted the Wipro COE Skilling Programme on Data Analytics & Artificial Intelligence for the 2026 batch from 16 February to 27 February 2026. Spanning 11 days and 88 hours, the event trained 100 participants per batch across three batches. It focused on strengthening students' foundations in mathematics and statistics while providing hands-on experience in Python programming and data analysis.

The curriculum covered key domains such as Machine Learning, Deep Learning, Computer Vision, and Generative AI, with a strong emphasis on project-based learning and continuous assessment. The programme effectively bridged the gap between academic concepts and industry expectations by offering structured content, expert mentorship, and real-world exposure. The collaborative initiative significantly enhanced students' readiness for careers in Artificial Intelligence, Data Science, and emerging technology fields. The sessions were conducted by Ms Shweta, Ms Mohini Chakarverti, Ms Oshin Misra, Ms Al-Yusra Sikander, Dr Sonia Arora, Mr Rehan Ali, Mr Subhash Chandra, Dr Divya Mishra, Dr Mohammad Shahid, and Mr Faizan Ahmad.

Innovation in Action: NIET's School of Computer Applications Visits Haier Industry

On March 10–11, 2026, the School of Computer Applications at NIET conducted a high-impact industrial visit to Haier Industry Pvt. Ltd. in Greater Noida. Aligned with the theme of "Innovation" and SDG 9, 100 students from the BCA, MCA, and MCA Integrated programmes explored advanced manufacturing technologies under the visionary guidance of Dean Prof. (Dr.) Chandra Shekhar Yadav, HOD Dr. Sakshi Kumar, HOD Dr. Apoorva Joshi, and Deputy Heads Alka S and Namita Sharma.

This immersive experience successfully bridged the gap between academic theory and real-world operations, thanks to the mentorship of Hemant B. and Gaurav Sharma from Haier Appliances India Pvt Ltd. By witnessing global industrial standards firsthand, our students are better equipped to lead as the next generation of industry-ready innovators, reinforcing NIET's commitment to practical excellence.

International Women's Day Celebration 2026

NIET Business School, celebrated International Women's Day on 7 March 2026 to honour the contributions of female faculty and staff and promote a culture of inclusivity and empowerment. It was centred on the theme “Give to Gain,” the event featured an engaging seminar highlighting gender sensitization, mentorship, and the importance of equitable workplaces. A formal recognition ceremony followed, where female faculty members were felicitated with tokens of appreciation. The celebration concluded with group photographs, reflecting unity and shared achievement. The event reinforced the significance of supporting women's growth and fostering a progressive, inclusive academic environment.

From Campus to Global Career: Leadership, AI & Industry Readiness

The Business School organized an engaging session on 24 March 2026, focusing on leadership, AI, and industry readiness. Convened by Prof Mayank Kumar Pandey, the event witnessed participation from 122 students and 12 faculty members. The session highlighted the growing impact of Artificial Intelligence on careers, emphasizing leadership, adaptability, and continuous learning. Students gained insights into global industry expectations, personal branding, and employability skills. The interactive discussion and real-world examples motivated participants to develop a growth mindset and prepare confidently for the transition from campus to corporate life.

Persona Parade: Walk the Brand

"Persona Parade: Walk the Brand," held on 18 March 2026, was convened by Dr. Anjali Saluja and conducted by the Pratidhwani Marketing Club. The event was organized by the Business School. The activity encouraged students to personify popular brands, enhancing their understanding of brand personality and positioning.

Eleven teams participated, showcasing creativity through attire, communication, and performance. The event strengthened public speaking, storytelling, and non-verbal communication skills while promoting confidence and teamwork. By blending theory with practice, it provided an engaging platform for experiential learning and helped students effectively connect marketing concepts with real-world brand strategies.

The International Merger Drama

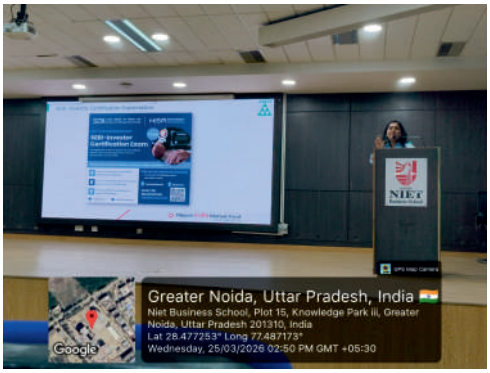
"The International Merger Drama," organized by the Business School on 11 March 2026, was conducted by VISTAAR (International Business Club) under the convenorship of Dr. Nitin Mohan. The activity aimed to raise awareness about cross-cultural issues in global business.

Students, working in groups, enacted merger scenarios between companies from different cultural backgrounds, highlighting differences in communication, leadership, and decision-making styles. The interactive format enhanced understanding of negotiation, conflict management, and teamwork. By simulating real-world challenges, the activity provided practical exposure to international business dynamics, making learning engaging, insightful, and highly relevant.

Workshop on IPR and Patent Filing

An online workshop on IPR and Patent Filing was conducted on 13 March 2026 by NIET Business School. The event was convened by Dr. Pooja Kapoor and coordinated by Dr. Ahmad Hasan. The session witnessed participation from over 400 students and 300 faculty members and featured expert speaker Er. Kumar Raju.

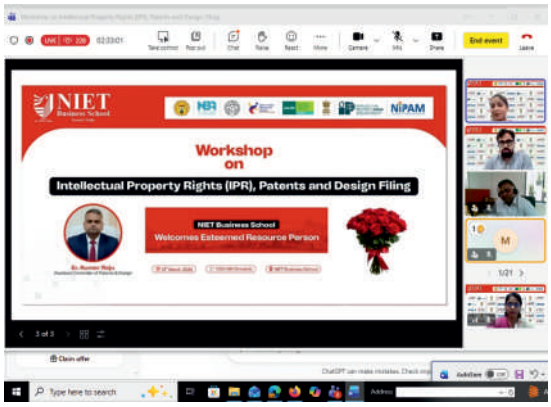
The workshop focused on creating awareness about intellectual property rights, patent filing processes, and relevant legal frameworks. Participants gained valuable insights into patents, copyrights, trademarks, and innovation management. Interactive discussions and case studies further enhanced understanding of protecting research and ideas, encouraging participants to transform innovations into legally protected assets in today's knowledge-driven economy.

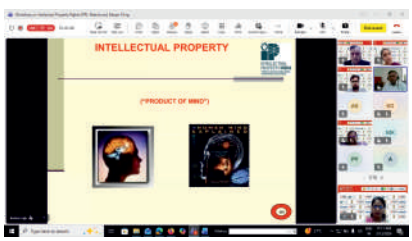


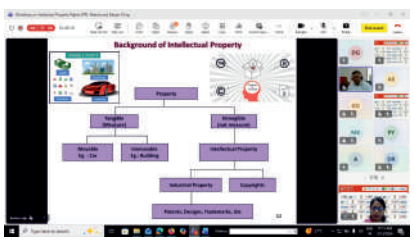
Workshop on Introduction to Capital Market & Career Opportunities

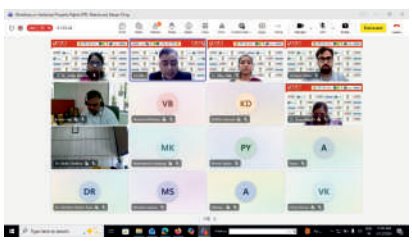
The Business School organized a workshop on “Introduction to Capital Market & Career Opportunities” on 25 March 2026. The workshop was convened by Dr. Rohit Kaushik. The session witnessed participation from 80 students and 5 faculty members and featured insights from two industry experts.

The workshop provided a comprehensive understanding of capital markets, financial instruments, and regulatory frameworks. Students explored diverse career opportunities in finance, including investment banking and trading. The interactive format, enriched with real-world examples and discussions, enhanced financial literacy and equipped participants to make informed career and investment decisions.









Expert Talk on Semiconductor Industry: Bridging Academia and Industry Insights

The Department of Electronics and Communication Engineering successfully organized an expert talk on "Insights of Semiconductor Industry" on 20 March 2026, coordinated by Ms. Shikha Singh and Dr. Sarabjeet Kaur. The session was delivered by Mr. Kartik Sharma, who provided valuable insights into current industry trends, challenges, and career opportunities in the semiconductor sector. The talk emphasized emerging technologies, industry expectations, and the importance of innovation and skill development. Highly interactive in nature, the session proved to be informative and beneficial, effectively bridging the gap between academic learning and industry practices.




Industrial Visit to Spark Minda - Interior Plastic Division

An industrial visit to Spark Minda, Interior Plastic Division, was conducted on 28 March 2026. A group of 15 students, accompanied by faculty members Ms. Swarnima and Md. Raza, gained valuable practical exposure to modern manufacturing processes and industry practices. The visit enhanced students' technical understanding through real-world applications. Gratitude is extended to the management of Spark Minda, Dr. Irphan Ali, and Ms. Ameesha for their support in making the visit informative and successful.

AAROHAN 2026 - From Ideas to Impact

AAROHAN – The Rise of Women, organized by the Department of Data Science, was held on 13 March 2026 to empower second-year Data Science students by integrating technical innovation with social responsibility. The event featured insightful sessions on Intellectual Property Rights by Ms. Shabana Khan, who guided students on transforming projects into patentable assets, and a powerful social awareness session by Mrs. Kanchan Deora, focusing on legal empowerment, gender dignity, and community responsibility.

The programme also included an interactive podcast and a solidarity pledge promoting respect and inclusivity. Overall, AAROHAN enhanced students' understanding of IPR, strengthened awareness of social issues, and encouraged them to become responsible and ethically conscious professionals.



Cyber Smart: Advancing Cybersecurity Awareness

The GenAI Club successfully organized the CyberSmart event to raise awareness about cybersecurity and responsible digital behaviour. The session featured police officers as special guests, who shared real-life insights into cybercrimes and educated participants about online threats such as phishing, hacking, identity theft, and cyber fraud, along with preventive measures. The interactive session also highlighted legal aspects and reporting procedures, making it highly engaging and informative. Overall, the event enhanced students' digital literacy, critical thinking, and awareness of safe online practices, encouraging them to become responsible digital citizens




Industry Visit to So. Infotech Pvt. Ltd.: Enhancing Career Readiness in Data Science & AI

The Department of CSE (Data Science), NIET Greater Noida, organized an industry visit to So. Infotech Pvt. Ltd., Noida, to provide students with practical exposure and insights into emerging career opportunities in Data Science, Artificial Intelligence, and Machine Learning. The session, led by Mr. Gaurav Tomar, Senior Data Scientist, guided students on skill selection, certifications, and industry expectations through an interactive discussion. Around 100 students and faculty members participated, gaining valuable knowledge about real-world applications and career pathways. The visit successfully enhanced students' understanding of practical implementation of theoretical concepts and motivated them toward innovation-driven learning and professional growth.



Expert Talk on Nutraceutical Industry

The Department of Biotechnology at Noida Institute of Engineering and Technology successfully organized an insightful expert talk on "Nutraceutical Industry: Future Outlook & Career Scope – From Ancient Wisdom to Precision Science" on 13 March 2026.

The session was delivered by industry expert Suresh Joseph, representing SVARN Herbals Pvt. Ltd. He shared valuable perspectives on the evolving nutraceutical sector, highlighting the integration of traditional knowledge with modern scientific advancements. The talk emphasized emerging career opportunities, industry trends, and the growing demand for skilled professionals in this domain.

PCI Inspection Conducted Successfully

The Inspection Team from the Pharmacy Council of India (PCI) conducted its inspection on 11 March 2026 at the institution. The visit was completed smoothly with active cooperation from the management, faculty, and support staff.

All required documents, infrastructure, laboratories, and academic facilities were presented effectively, reflecting the institution's commitment to maintaining high academic and professional standards.

AI Builder Arena

The Department of Computer Science organized "AI Builder Arena" on 13 March 2026. Conducted by the Cloud Shastra Club, the event was a hands-on web development competition focused on AI-powered tools.

Structured in multiple rounds, the competition effectively assessed technical knowledge and practical skills, bridging the gap between theoretical learning and real-world application. The event enhanced students' technical competencies, innovation, and strategic thinking.

Faculty Achievements

Dr. Vivek Kumar, Professor (CSE) and Associate Dean (R&D) co-supervised Mr. Ruchin Kumar's Ph.D. research at Swami Vivekanand Subharti University. The scholar successfully defended his thesis titled "Development of Enhanced Data Security Framework (Fin Tech Sec++) for Financial Technologies (FinTech) & Central Bank Digital Currency (CBDC)." The research focuses on strengthening data security mechanisms in emerging financial technologies and digital currency systems. The doctoral degree was awarded to the candidate in compliance with UGC Regulations 2016/2022, reflecting academic excellence and a significant contribution to the domain of FinTech security.

Delivered an insightful session on "Interacting with Curious Minds" for students from Mangalmay Institute of Management and Technology at the AICTE IDEA Lab, Noida Institute of Engineering & Technology. During the session, he guided students through the fundamentals of the Internet of Things (IoT) and the essentials of product prototyping.

Mr Mayank Deep Khare
Assistant Professor and Head
Department of IoT

Has successfully published a research paper in an IEEE conference in March 2026. The paper, titled "Real-Time Sign Language Detection for the Disabled Using a YOLO-LSTM Deep Learning Model," presents an advanced deep learning approach integrating YOLO and LSTM models for real-time sign language recognition, aiming to enhance communication accessibility for individuals with disabilities. In Proceedings of the 2025 2nd International Conference on Advanced Computing and Emerging Technologies (ACET), Ghaziabad, India (pp. 1–5). IEEE.
https://doi.org/10.1109/ACET67282.2025.11430315

Dr. Chitvan Agrawal
Assistant Professor and Deputy Head
Department of CSBS

She successfully completed the International Post-Doctoral Fellowship Program under the guidance of Prof. Chin-Shiuh Shieh and Prof. Mong-Fong Horng as Supervisor and Co-Supervisor, at National Kaohsiung University of Science and Technology, Taiwan (Feb 2025 – Feb 2026), focusing on Securing IoT Ecosystems with Advanced Deep Learning and Federated Learning: A Scalable Framework.

Dr. Tripti Sharma
Professor and Head
Department of CSE

Students' Achievements

From Innovation to Triumph: NIET Aerobots Win 1st Place at Aerotrack F1

The NIET Aerobots Club achieved a remarkable milestone by securing 1st place at the prestigious Aerotrack F1 national-level competition, winning a cash prize of ₹1 lakh. This accomplishment stands as a testament to the team's dedication, innovation, and technical proficiency in the field of engineering design and competitive aeromodelling. Demonstrating exceptional teamwork and problem-solving abilities, the students showcased their capability to translate ideas into high-performance outcomes. Their success reflects not only technical excellence but also a strong culture of collaboration and perseverance.

This achievement highlights NIET's commitment to fostering hands-on learning and nurturing future-ready engineers. As the Aerobots Club continues to push boundaries, their journey from concept to impactful innovation truly embodies the spirit of building, competing, and excelling at the highest level.

A Moment of Honour and Achievement

Heartiest congratulations to Jagjot Singh, B.Tech. (ECE), on his remarkable achievement of being selected for the Indian Army.

His journey from the classrooms of the institute to serving the nation is a testament to his dedication, discipline, and exemplary leadership. We wish him continued success as he embarks on this honourable path of service and commitment to the country.

NIET student wins 1st Position at Tryst 2026 at IIT Delhi

Arjun of CSE (IoT) secured first position at the prestigious Krafton Game Jam held during Tryst 2026 at IIT Delhi.

Competing at the national level as a solo participant, he developed an innovative project titled "Bombay Guns Exchange"—a JavaScript-based real-time trading simulator integrating AI-driven competitors, dynamic market conditions, and a strategic risk-reward mechanism.

Successfully completed within the stipulated competition timeline, the project reflects his exceptional creativity, technical proficiency, and strong self-learning aptitude.

Strength, Strategy, Success

Nancy Sharma from CSE (IoT) actively participated in SPRIESTA, a Kabaddi competition organized by HIMT. Showcasing exceptional teamwork, coordination, and determination, her team delivered an outstanding performance and emerged as winners. Their victory reflects not only physical strength and strategic play but also strong sportsmanship, discipline, and team spirit. This achievement brings pride to the department and highlights the importance of balancing academics with co-curricular excellence.

The Institution celebrates outstanding success in GATE 2025–26.

The institution proudly celebrates the outstanding achievements of its students in GATE 2025–26. Utkarsh Chauhan from the Department of AIML delivered an excellent performance in GATE 2026, securing a commendable score of 434 in the Data Science and Artificial Intelligence (DA) paper, along with an All-India Rank (AIR) of 4730. His achievement reflects remarkable dedication, consistency, and strong conceptual understanding.

Adding to this success, Kumari Shikha, Aryan Kushwaha, Kumari Tanu, and Susheela from the Department of Biotechnology have successfully qualified the GATE examination, highlighting their academic commitment, perseverance, and technical proficiency. Himanshu from CSE (IoT) has also qualified the GATE examination, a noteworthy achievement that reflects his strong academic commitment, sound technical expertise, and consistent perseverance. These achievements mark a significant milestone for the students, opening pathways to higher education and promising career opportunities, while bringing pride to their respective departments and the institution as a whole.

The institution celebrates student excellence in global certifications

The institution proudly congratulates Shivansh from the Department of CSE (AI), NIET Greater Noida, on earning the AWS Certified Cloud Practitioner badge from Amazon Web Services Training and Certification in March 2026. This achievement reflects his dedication, consistent effort, and growing expertise in cloud computing. It marks an important milestone in his professional journey and shows his commitment to acquiring industry-relevant skills.

ShuddhVayu: Turning Pollution into Possibility

Sanya Goyal, a sixth-semester student from the AI-C branch, presented her project "ShuddhVayu: An Embedded Air-Purification System for Roadside and Industrial Emissions" at the International Conference on Emerging Technologies and Innovation for Sustainability (EmergIN) and published it in IEEE Xplore.

The project addresses air pollution using real-time sensing and a dual-stage filtration system, along with an innovative approach of converting captured carbon soot into usable ink, contributing to sustainable solutions.

ECE Students Shines at ECHIESTA 2K26

Students Ashish Shekhar Das, Abhinav Vats, Anushka Maurya, and Astitva Agarwal from the Department of Electronics and Communication Engineering (ECE) secured 3rd position in the LFR event at ECHIESTA 2K26. Their achievement reflects strong technical skills, creativity, and effective teamwork. Competing in a dynamic techno-cultural environment, the team demonstrated determination and coordination, bringing pride to the department and NIET Greater Noida. Their success highlights their potential for continued excellence and future accomplishments..

Research Presentation Achievement

Ms. Nahid Ali, M.Pharm 2nd Year, had her research paper selected for oral presentation at the UPCST International Grant Conference titled "BIOSTART 2.0: Translational Research for Sustainable Drug Discovery & Environmental Health," held on 16–17 March 2026. This selection highlights the academic merit and research significance of her work in the field of sustainable drug discovery and environmental health.

Excellence in global certifications

Mr Saurabh Dixit, a third-year B.Tech Computer Science student (Batch 2023–2027), successfully qualified the AWS Certified Cloud Practitioner certification. This achievement demonstrates his strong foundational knowledge of cloud computing and AWS services and marks a significant milestone in his professional and technical development, reflecting his commitment to building industry-relevant skills.

Student innovation and excellence in inter-college competitions

NIET Computer Science students Diksha Singh, Devanshi Singh, Anushka Tadiyal, and Avishi (2nd Year) secured second position in the inter-college software project competition "She Innovates," organized by GNIOT. Their innovative project stood out among strong participation from multiple institutions, reflecting creativity, technical proficiency, and teamwork. This achievement highlights the students' dedication and brings pride to the institution.

Research Publications

Dr Sonia Arora

Assistant Professor & Deputy Head
Department of AIML

Authored a book chapter titled "Integration of Thermal Imaging and AI for NightTime Surveillance," in the edited book AI and Deep Learning Enabled Surveillance System Using Image Processing published by Emerald Publishing Ltd. The work highlights the use of thermal imaging combined with artificial intelligence to enhance surveillance capabilities in low-light and night-time conditions, improving accuracy and security outcomes.

Dr Divya Mishra

Associate Professor
Department of AIML

Was granted a patent titled Modular Rainwater Harvesting Tank by the Patent Office, Government of India. The patent relates to a system designed to efficiently collect, store, and manage rainwater using modular, scalable tank units that can be easily installed, expanded, and adapted to different spaces and water requirements.

Mr Yaduvir Singh

Assistant Professor
Department of AI

Authored a book chapter titled "Blockchain-Based Trust and Data Integrity Models for Healthcare Security," in the edited book *Threat Intelligence and cloud Trust Models for Healthcare Security* published by IGI Global Scientific Publishing. The chapter explores how blockchain enables secure storage and sharing of electronic health records through decentralized, tamper-proof systems. It highlights the role of smart contracts and consensus mechanisms in ensuring controlled access, data integrity, and transparency, thereby enhancing trust and reducing cyber risks in healthcare systems.

Published a conference paper titled "A Patient-Centric Approach to Electronic Healthcare Data Management Leveraging Hyperledger Fabric" in IEEE Xplore. The paper was earlier presented at the International Conference on Emerging Technologies and Innovation for Sustainability (EmergIN). The study proposes a patient-centric healthcare data management system using Hyperledger Fabric, enabling secure storage and controlled access to electronic medical records. It emphasizes patient consent, privacy, and efficient data handling through smart contracts and a permissioned blockchain framework.

Ms Ruchika

Associate Professor
Department of AI

Was granted a design patent 'An AI-based sentiment analysis device' by the Patent Office, Government of India. The patent that captures user voice, facial expressions, and text inputs to determine emotional states in real time using machine learning algorithms. The device integrates multi-modal sensors with edge computing capabilities to deliver instant, privacy-preserving sentiment insights. It can be applied across customer experience, mental health monitoring, and adaptive human-computer interaction systems.

Dr Kanika Singhal

Assistant Professor
Department of CS

Published a research paper titled "An AI-Driven Micro-Randomized Intervention Framework for Reducing Digital Eye Strain and Dizziness" in the *International Journal of Advances in Signal and Image Sciences* (Scopus Q1). The study highlights an innovative AI-based framework aimed at mitigating digital eye strain and dizziness associated with prolonged screen exposure, contributing to advancements in health-focused technological interventions.

Dr Sangeeta Arora

Professor
Department of CS

Presented the following papers at international conferences and subsequently published in IEEE Xplore:

Paper titled "Voice-Signal Based Prediction of Parkinson's Disease with Machine Learning Models" was presented at the Biennial International Conference on Nascent Technologies in Engineering (ICNTE) and published in IEEE Xplore. The study focuses on utilizing voice signal analysis and machine learning techniques for the early prediction of Parkinson's disease.

Paper titled "ADB IoT: A Method for Identifying Botnets in Internet of Things System" was presented at the International Conference on Emerging Technologies and Innovation for Sustainability (EmergIN) and has been published in IEEE Xplore. The research proposes an effective method for detecting botnets in IoT environments, contributing to enhanced cybersecurity in interconnected systems.

Dr Hitesh Singh

Professor & Associate Dean (R&D)
Department of CSE

Published a research paper titled "*A Multi-criteria Decision Support System for Supplier Evaluation and Ranking Using Machine Learning and Generative AI*" in the Sixth Congress on Intelligent Systems (CIS 2025) by Springer, indexed in Scopus. The study presents an AI-driven framework combining machine learning and generative AI for supplier evaluation and procurement planning.

Ms Aditee Mattoo

Assistant Professor & Deputy Head
Department of CSE (MTech.Int.)

Dr Vivek Kumar

Professor, Dean (R&D)
Department of CSE

Authored a conference paper titled "*Brain Tumour Detection and Classification Using Faster* R–CNN" (Scopus) in Lecture Notes in Networks and Systems (ICDSA 2025). The study proposes a modified Faster R–CNN model for accurate and efficient early brain tumour detection, highlighting the role of deep learning in medical diagnostics.

Ms Shivani Sharma

Assistant Professor
Department of CSE

Dr Poornima Tyagi

Associate Professor
Department of CSE

Authored a book titled "Introduction to Python Programming" published by Chyren Publication. The book provides a comprehensive, hands-on introduction to Python, beginning with basic concepts and gradually advancing to more complex programming techniques. It emphasizes practical learning through examples and exercises, helping learners apply Python to real-world academic and industrial problems.

Published a paper titled "Novel Hybrid Compression Techniques for Full-Stack AI Deployment" in IEEE 2025 International Conference on Emerging Technologies and Innovation for Sustainability (EmergIN).

Mr Ibrar Ahmad

Assistant Professor
Department of CSE

DR Mohd. Nazim

Assistant Professor
Department of CSE

Ms Vaishali Mishra

Assistant Professor
Department of CSE

MS Sana Anjum

Assistant Professor
Department of CSE

Ms Pooja Kumari

Assistant Professor
Department of CSE

Ms Neeti Taneja

Assistant Professor
Department of CSE

Ms Aditee Mattoo

Assistant Professor & Deputy Head
Department of CSE (MTech.Int.)

Mr Deep Ghosh

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Department of CSE (MTech.Int.)

Dr Rashmi Sharma

Professor & Head
Department of CYS

Published the paper "*A Physics-Informed Unified Fleet Model for Sustainable Fuel and Carbon Prediction* in Maritime Shipping" in Franklin Open (Scopus-indexed, Q3). This study introduces a smart model that uses both real-world data and basic science principles to estimate how much fuel ships use and how much carbon they produce. It helps make shipping more efficient and environmentally friendly by improving how fuel use and emissions are predicted.

Dr Poornima Tyagi
Associate Professor
Department of CSE

Mr Pradeep Kumar
Assistant Professor
Department of CSE

Ms Shiwali
Student (CSE)

Published a research paper titled "Scalable Multilingual Fake News Detection using Parameter-Efficient Transformers" at the International Conference on Computing, Communication, Control and Cyber-Physical Systems (I5CPS 2026), focusing on efficient methods to detect fake news across multiple languages.

Dr Ankur Sisodia
Assistant Professor
Department of IoT

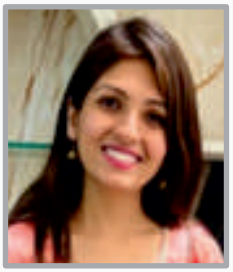
Published a research paper in the reputed *Journal of Automation, Mobile Robotics and Intelligent Systems (JAMRIS)*. His research focuses on advanced technologies such as federated learning and intelligent routing mechanisms for scalable IoT environments.

Mr Mushtaq Ahmad Rather
Assistant Professor
Department of IoT

Published a book chapter titled "*FedGeoScale: Entropy-Driven Dynamic Geo-Clustering with Over-the-Air Personalized Federated Learning.*" The chapter presents an innovative approach combining federated learning with dynamic geo-clustering techniques to enhance scalable and efficient distributed learning systems.

Ms Neha Bhati
Assistant Professor
Department of IoT

Published a research paper titled *"A Survey on Artificial Intelligence-Enabled VANETs for Smart Automotive Systems"* in IJCNA 13 Val (1).



Dr Chitvan Agrawal
Assistant Professor & Deputy Head
Department of MCA

Published a paper titled "Real-Time Sign Language Detection for the Disabled Using a YOLO-LSTM Deep Learning Model in *an International Conference on Advanced Computing and Emerging Technologies* (ACET), along with L. Singh, N. Kumar, D. Seth, N. N. Dubey and R. Kashyap.

Dr Narender Kumar

Professor
Department of Biotechnology

Published following papers indexed in SCIE:

"Chemomodulatory potential of Aloe vera gel against B(a)P induced forestomach papillomagenesis" in the journal Pharmacological Research - Natural Products.

"Thermophilic bacteria mediated dye remediation in water and wastewater: Mechanistic and metabolic insights" in the journal of Microbiological Methods.

Dr Ashish Kumar Chakraverti

Professor & Head, Department of DS

·Published a paper titled 'Blockchain-enabled Patient-Centric Privacy Preservation and Access Control for Electronic Health Record Sharing' in the journal SN Computer Science, Volume 7, Article 317 (2026). This paper presents a blockchain-based framework for secure and patient-centric management of electronic health records (EHRs). It enables patients to control access to their medical data while ensuring privacy, data integrity, and transparency. The proposed system improves secure data sharing among healthcare providers and enhances trust in digital healthcare environments.

Ms Shakshi Sharma

Assistant Professor
Department of DS

Authored the following two book chapters in the book AI and Machine Learning in Digital Finance: Fraud Detection, Secure Payments, and Stock Market Forecasting published by

"Artificial Intelligence in Smart Finance: Fraud Detection, Cloud Payments, and Stock Market Forecasting"

"Smart Banking Intelligence Using Machine Learning, IoT, and Cloud Analytics"

Mr Pawan Kumar Singh

Assistant Professor, Department of DS

Mr Chandrapal Singh Arya

Assistant Professor, Department of DS

Mr Utkarsh Mishra

Assistant Professor, Department of DS

Authored a book C Insights: A Problem-Solving Technique published by Chyren Publication. This book focuses on developing problem-solving skills using the C programming language. It covers fundamental concepts, structured programming techniques, and practical approaches to solving computational problems. Designed for students and beginners, it helps build a strong foundation in logical thinking and coding through examples and exercises.

Mr Pawan Kumar Singh

Assistant Professor
Department of DS

Authored a Book Chapter titled "AI- Assisted Skin Cancer Classification using dermoscopic images" in the book Intelligent Smart Healthcare: AI- Driven Applications of Machine Learning, IoT, Cloud, and Nanotechnology in Disease Diagnosis and Management published by Rademics Research Institute (Scopus indexed). This chapter presents an AI-based approach for early detection and classification of skin cancer using dermoscopic images. It enhances diagnostic accuracy and supports medical professionals in timely and effective decision-making.

Mr Chandrapal Singh Arya

Assistant Professor, Department of DS

Authored a Book Chapter titled "Fundamentals of Computer Vision in Biomedical Contexts" in the Book Fundamentals of Computer Vision in Biomedical Contexts published by Chyren Publication. This chapter explores the fundamentals of computer vision techniques and their applications in biomedical fields. It highlights how image processing and AI-based methods can assist in medical analysis and improve healthcare outcomes

Ms Mona Devi

Assistant Professor
Department of DS

Published a Paper (IEEE Research Paper) titled "Reducing End-to-End Latency in IoT Networks Using Edge-to-Edge Resource Allocation in Edge Computing". This research paper focuses on minimizing end-to-end latency in IoT networks using an edge-to-edge resource allocation approach within edge computing environments. The proposed method enhances real-time processing efficiency and improves overall network performance.

Ms Amita Pathania

Assistant Professor, Department of DS

Authored a Book Chapter "Code Smarter Prompt Engineering for Modern Developers" in the book Prompt Engineering Concept, Techniques & Applications in Age of Generative AI. This chapter focuses on applying prompt engineering techniques to modern software development. It helps developers enhance coding efficiency, automate tasks, and leverage generative AI for smarter programming solutions

Mr Sovers Singh Bisht

Assistant Professor & Deputy Head, Department of DS

Published a research Paper titled "EnSa-EAE: A New EEG-Based Framework for Human Cognitive Workload Recognition" in the journal International Journal of Human–Computer Interaction published by Taylor & Francis. This paper proposes a novel EEG-based framework (EnSa-EAE) for recognizing human cognitive workload. It improves accuracy in workload detection, supporting applications in human-computer interaction, adaptive systems, and mental state monitoring.

Ms Garima Dhawan

Assistant Professor, Department of DS

Dr Avijit Mazumder

Professor & Director
NIET Pharmacy Institute

Secured an Indian Product Patent, granted by the Government of India, on the topic "*Method for Preparing a Plant-Based Bioyogurt to Mitigate Acetaminophen-Induced Hepatic and Renal Toxicity*", with Patent No. 583367. The innovation highlights a novel plant-based formulation aimed at reducing liver and kidney toxicity caused by acetaminophen, contributing to advancements in therapeutic and functional food research.

- Published the following research papers in reputed journals, contributing significantly to the field of pharmaceutical and biomedical research.
- Paper titled "Advances in 11-HSD1 Inhibitor Development for Addressing Insulin Resistance and Beta-Cell Dysfunction in Type 2 Diabetes Mellitus," co-authored with his student Ms. Pallavi Joshi, was published in the *Journal of Pharmaceutical Innovation.* The study explored the role of 11β-hydroxysteroid dehydrogenase type 1 (11β-HSD1) in the progression of type 2 diabetes mellitus and evaluated its potential as a pharmacological target.
- Paper titled "PTP1B Inhibitors for Type 2 Diabetes: From Natural Products, Synthetic Inhibitors, and Multi-Target Drug Design Strategies to Clinical Translation", co-authored with Ms. Pallavi Joshi, Ms. Bhavani Pentela, and Mr. Abhijit Debnath, was published in the Bentham Publishers journal *Current Drug Targets.* The study concluded that the development of PTP1B inhibitors requires integrated approaches, including allosteric modulation, tissue-specific delivery, and patient stratification for effective clinical translation.
- Research paper titled "Ameliorative Effects of Saussurea lappa Against Hypertension and Anxiety in Animal Models" was published in the Scopus-indexed Indian *Journal of Physiology and Pharmacology.* The research focused on a comparative analysis of the effects of Saussurea lappa on both hypertension and anxiety.
- Paper titled "Emerging and Novel Molecular Targets in Obesity: Advances Toward Precision Anti-Obesity Pharmacotherapy", co-authored with Dr. Priyanka Bansal and a student Ansh Tripathy, was published in the *International Journal of Drug Delivery Technology* (IJDDT). The study systematically analyzed the molecular pathophysiology of obesity, highlighting key therapeutic targets and strategies for precision-based anti-obesity treatment.

Dr Rupa Mazumder

Professor & Dean
NIET Pharmacy Institute

Published the following research papers in reputed journals, contributing extensively to the field of drug delivery and pharmaceutical research.

- Paper titled "Novel Approaches in Transdermal Delivery of Antidiabetic Bioactives – A Current Update", was published in the Journal of Drug Delivery Letters. The study highlighted the synergistic potential of advanced transdermal drug delivery systems (TDDS) and natural bioactives in transforming diabetic care.
- Paper titled "Hydrogel-Enabled Drug Delivery for Ulcerative Colitis", was published in the journal Inflammopharmacology. This comprehensive review examined the current landscape and future potential of hydrogel-based drug delivery systems, focusing on material design strategies, stimuli-responsive mechanisms, targeted delivery, and therapeutic applications for ulcerative colitis.
- Paper titled "Development and Evaluation of a Baicalin-Loaded Phytosomal Transdermal Patch for Type 2 Diabetes Mellitus" was published in the journal Current Drug Metabolism. The study involved virtual screening of 207 phytochemicals against the diabetic target PPAR-γ using i-dock, followed by the development of matrix-type transdermal patches.
- Paper entitled "Development and Therapeutic Evaluation of a Dual-Loaded Glycerosomal Gel of Quercetin and Resveratrol in an Arthritic Rat Model" was published in the Journal of Pharmaceutical Innovation. The research focused on developing a topical glycerosomal gel for the simultaneous delivery of quercetin and resveratrol to effectively treat arthritis, addressing challenges of poor skin permeability and low solubility.

Dr Salahuddin

Professor
NIET Pharmacy Institute

Published a review paper titled “Recent Trends in the Synthesis of Benzimidazoles and Use of the Phillips Modification: A Review” in the journal Organic Preparations and Procedures International. The paper, written in collaboration with a student Ms. Sapna Rani, contributes to advancements in synthetic organic chemistry. The study comprehensively summarized various recent methodologies for the synthesis of benzimidazoles, with particular emphasis on the significance and applications of the Phillips modification.

Dr Anjna Rani

Professor
NIET Pharmacy Institute

Secured an Indian Patent in collaboration with Dr. Avijit Mazumder, granted by the Government of India, on the topic “Phytosomes of Murraya koenigii Extract for Antidiabetic and Hypolipidemic Activity”, with Patent No. 584134. The innovation highlights the development of a phytosomal formulation aimed at enhancing the therapeutic efficacy of Murraya koenigii for the management of diabetes and lipid disorders.

Guided her Ph.D. scholar Anmol Kanda in publishing a research paper, contributing to advancements in pharmaceutical formulation and neurodegenerative disease management. The paper entitled “Design, Development and Optimization Using Box-Behnken Design (BBD) and In Vitro Evaluation of Cromolyn-Loaded Niosomes for Management of Alzheimer's Disease” was published in the Journal of Pharmaceutical Innovation. The study focused on the development and optimization of cromolyn-loaded niosomes using a Box–Behnken Design (BBD) to enhance oral delivery, along with evaluation of their physicochemical properties, antioxidant potential, and acetylcholinesterase (AChE) inhibitory activity.

Dr Rakhi Mishra

Professor
NIET Pharmacy Institute

Published the following research papers in reputed journals, contributing to advancements in medicinal and synthetic chemistry.

Paper, co-authored with a student Ms. Preeti Kumari, titled “Design, Synthesis, and Evaluation of Voltage-Gated Sodium Channel Inhibitors as Anticonvulsant Agents”, was published in the Current Neurovascular Research Journal.

The study focused on the synthesis of hetero-fused acylurea derivatives and investigated their binding affinity with voltage-gated sodium ion channel receptors, followed by anticonvulsant evaluation.

Research article titled “Synthesis, Computational, and In Vitro Evaluation of Pyridine Analogs to Combat Lung Cancer”, co-authored with her student Ashis Maurya, along with Dr. Rupa Mazumder and Dr. Avijit Mazumder, was published in the Russian Journal of General Chemistry. The research highlighted the synthesis of a novel series of pyridine-based urea derivatives as potential inhibitors of EGFR, demonstrating their promise in lung cancer treatment.

Dr Saumya Das

Professor
NIET Pharmacy Institute

Published a research paper entitled “Microbiota-Gut-Brain Axis: A Novel Paradigm in the Neurobiology of Anxiety,” in collaboration with Ayushi Goel, was published in the journal CNS & Neurological Disorders - Drug Targets. The study provided a comprehensive analysis of the role of gut microbiota in anxiety and evaluated the therapeutic potential of prebiotics in its management.

Dr Rajnish Kumar

Associate Professor
NIET Pharmacy Institute

Published a research paper titled "Advances in Chemotherapeutic Potential of Glycoconjugates Against Cancer," in collaboration with Ms. Archna Singh and Dr Avijit, in the journal Anti-Cancer Agents in Medicinal Chemistry. The study highlighted recent advancements in the development of glycoconjugates, focusing on their role in modulating tumor-associated glycan interactions, enhancing drug delivery, and overcoming resistance mechanisms in cancer therapy.

Mr Ranjeet Kumar Yadav

Assistant Professor
NIET Pharmacy Institute

Published a research paper titled "Synthesis, In Vivo, ADMET Prediction, Molecular Docking Studies, MD Simulation, and DFT Analysis of Novel 1,3,4-Oxadiazole-Furan Hybrids as Anticonvulsants" in the Journal of Molecular Structure. The study focused on the synthesis of a novel series of 5-(5-phenyl-[1,3,4]oxadiazol-2-yl)-furan-3-ylamines (7a–p) through multistep reactions, followed by comprehensive in vivo and in silico evaluations to assess their anticonvulsant potential.

Ms Archana Singh

Assistant Professor
NIET Pharmacy Institute

Published a research paper titled "Synergistic Anti-Dementia Effects of Symplocos racemosa Nanoemulsion: Isolation, Molecular Docking, and In Vivo Evaluation" in the journal Current Neurovascular Research. The study focused on the development of a nanoemulsion system for the targeted delivery of Symplocos racemosa phytoconstituents to enhance therapeutic efficacy in the management of dementia.

Ms Ayushi Singh

Assistant Professor
NIET Pharmacy Institute

Published a review paper titled "Anti-Cancer Targets, Mechanisms, and Actions of Heterocyclic Moieties: A Comprehensive Review" in the Bentham Publishers journal Current Signal Transduction Therapy (Scopus-indexed). The paper, prepared in collaboration with Dr Rakhi Mishra and Dr Avijit Mazumder, summarized various heterocyclic moieties reported in the literature for their anticancer activity, highlighting their mechanisms of action and diverse molecular targets.

Editorial: Celebrating Impact, Inspiring Progress

Dear Reader

What makes an institution truly transformative is not only academic excellence, but its ability to drive meaningful change, bring diverse voices to the forefront, and create a lasting impact beyond the classroom. This issue of *Pulse* reflects that ethos – where ideas are translated into action and learning finds real-world relevance.

A special highlight of this edition is the observance of International Women's Day 2026, themed *Give to Gain*, presented as a compelling showcase of strength and solidarity. From the graceful Mohiniyattam performance by Padma Shri awardee Guru Bharati Shivaji to the inspiring address by Ms. Gallaudet Howard, the event effectively integrated artistic expression with meaningful insight. The honour conferred upon Dr. Anjana Rani Gupta as *Woman of Substance* recognized leadership that shapes both minds and communities. Further enriching the initiative, the Digital Poster Making Competition and the meaningful participation of male faculty members in *Pen Your Thoughts* reflected a collective commitment to inclusivity and dialogue.

A moment of collective pride was marked by Dr. Neema Agarwal's feature in *Outlook* under *Women: Torchbearers of Viksit Bharat*, highlighting the wide-ranging influence of visionary leadership. This edition also highlights key institutional milestones. The Alumni Meet – Pune Chapter rekindled connections that transcend time and distance, celebrating not only shared memories but also continued mentorship and collaboration. Complementing this, ICAMMTS-2026 brought together global thinkers, fostering dialogue across advanced engineering domains and reinforcing NIET's growing stature as a hub of innovation and interdisciplinary exchange.

Extending learning beyond the campus, the NSS Special Camp at village Mathurapur transformed knowledge into lived experience. Through initiatives in education, health, environment, and skill development, students embraced responsibility, empathy, and meaningful engagement. The edition also showcases significant research contributions and publications, further strengthening the institute's academic and scholarly pursuits.

Together, these moments tell a story that goes beyond milestones – at NIET, progress is not merely measured by achievements; it is defined by the difference we choose to create.

Best regards,
Editorial Team
Pulse, NIET

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Greater Noida
An Autonomous Institute

Estd.2001
Get Future Ready

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