

Indian Institute of Technology Delhi



NEWSLETTER

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TABLE OF CONTENTS

1

NEWS UPDATE

6

RESEARCH AND INNOVATION

8

INDUSTRIAL RESEARCH AND DEVELOPMENT

12

CORPORATE RELATIONS

13

INTERNATIONAL CONNECT

16

ALUMNI RELATIONS

19

AWARDS & ACHIEVEMENTS

NEWS UPDATE

» Prime Minister of Sri Lanka Visits IIT Delhi; Institute Proposes Creation of Sri Lanka Academic and Research Hub

The Prime Minister of Sri Lanka, Dr. Harini Nireka Amarasuriya, visited IIT Delhi on October 17, 2025. The visit focused on strengthening bilateral collaboration in research, innovation, and higher education. The Prime Minister interacted with Prof. Arvind Nema, Deputy Director (Operations), IIT Delhi; Prof. Anil Verma, Dean of International Programmes; Mr. Atul Vyas,

Registrar; faculty members; international students; and startups. Dr. Harini Nireka Amarasuriya said, "IIT Delhi is a prestigious engineering and research institute in our neighbourhood. I believe there is significant potential for academic and research collaboration between our institutes and IIT Delhi. We are already collaborating with IIT Madras, and we look forward to exploring the ways in which our institutions can collaborate with IIT Delhi as well."

Prof. Anil Verma, Dean of International Programmes, proposed the possibility of forming a 'Sri Lanka Academic and Research Hub at IIT Delhi.' During the PM's visit to the Institute's Research and Innovation Park, FITT-IIT Delhi incubated startups such as CYRAN AI, Cluix, etc. briefed her about their innovative products.



» Kendriya Vidyalaya Sangathan and IIT Delhi Sign MoU



IIT Delhi and Kendriya Vidyalaya Sangathan (KVS) have signed an MoU to enhance STEM (Science, Technology, Engineering, and Mathematics) education among KV students and provide professional development opportunities for teachers. The MoU marks the first-ever collaboration between KVS and any IIT for STEM outreach. As part of the collaboration, KV students and teachers will participate in various STEM activities organized by the Office of Academic Outreach and New Initiatives at IIT Delhi. This will provide the students exposure to scientific concepts in a fun and engaging manner and allow them to see real-world applications of the concepts they read in textbooks. Additionally, faculty and students

from IIT Delhi will conduct outreach sessions in KV schools, aiming to inspire young minds to pursue careers in STEM. The training will cover the use of emerging technological tools, advancements in STEM, and innovative teaching methodologies.

» DNA, Indian Navy and IIT Delhi to Collaborate on Crew Centred Aspects of Warship Design

The Directorate of Naval Architecture (DNA), Indian Navy, and IIT Delhi signed an MoU on October 16 to collaborate on the creation of a research and design center, which will cater to improving the Quality of Life (QoL) onboard Indian Naval Ships through design interventions. The MoU was signed by RAdm Arvind Rawal, Asst. Chief of Materiel (Dockyard & Refit), Indian Navy, and Prof. Rangan Banerjee, Director of IIT Delhi. Under the MoU, IIT Delhi researchers from the Department of Design will research the safety, efficiency, and habitability of various ongoing and future new construction projects and provide inputs in ship designs. The Indian Navy and IIT Delhi will work towards the overarching aim of improving the Quality of Life (QoL) onboard Indian Naval ships, which may also be extended to the mercantile marine and any other Indian ethnicity-based habitability requirement.



» IIT Delhi Aquatics Team Makes Waves at Inter-IIT Aquatics Meet 2025



The IIT Delhi Aquatics Team delivered a good performance this year, finishing as runners-up in water polo and 3rd runners-up in men's swimming at the Inter IIT Aquatics Meet 2025 held at IIT Madras. These achievements are the result of months of hard work, persistence, and teamwork. Rachit Rambhia was awarded the Best Water Polo Player of the Tournament for his outstanding performance throughout the event.

» IIT Delhi Hiking Club Launches "AquaGrit-5K"

IIT Delhi Hiking Club's "AquaGrit-5K"- a pioneering endurance event brought the spirit of adventure, stamina and camaraderie to the heart of the campus. Like all IITD Hiking Club activities, it represented teamwork at all levels. On October 13, AquaGrit-5K participants embarked on a multi-stage challenge, kicking off with an invigorating swim in the campus pool, followed by a series of high-intensity exercises including burpee walks, shuttle runs, push-ups, sit-ups, and planks. The final run across IITD's tracks demanded every ounce of perseverance left. The event attracted 34 members of the IITD community (including student, faculty and staff) - among them 5 women- who joined in with infectious enthusiasm, and determination.



» IHFC Showcases 25 Cutting-Edge Technologies to Mark its 5th Anniversary



The I-Hub Foundation for Cobotics (IHFC), the TIH of IIT Delhi, proudly marked its fifth anniversary on September 24, celebrating half a decade of pioneering innovation and technological advancement. As IHFC embarks on its sixth year, it continues its mission as a catalyst for innovation, empowerment, and upskilling, with a strong focus on developing advanced indigenous technology for societal progress. The celebration commenced with the Chief Guest, Prof. Abhay Karandikar, Secretary, Department of Science and Technology (DST), addressing the audience. The key highlight of the event was an exhibition inaugurated by Prof. Karandikar, where 25 of the IHFC-supported R&D projects, startups, and pre-seed projects were showcased. Amongst the technologies showcased, the ones that stood apart were the ones with TRL readiness of 7-9.

» Adi Karmayogi Student Chapters Launched at IITs, IIMs, AIIMS, NITs

The Adi Karmayogi Abhiyan, envisaged as the world's largest Tribal Leadership Movement, was launched by the Hon'ble Prime Minister Shri Narendra Modi. This historic initiative seeks to empower tribal youth across India to emerge as leaders, innovators, entrepreneurs, and agents of social transformation as part of the ongoing Janjatiya Gaurav Varsh (15 November 2024–15 November 2025). Carrying forward this vision, the Ministry of Tribal Affairs on September 22 formally inaugurated the Adi Karmayogi Student Chapters at prestigious institutions such as IITs, IIMs, AIIMS, NITs, and other top-class universities, marking the beginning of a nationwide youth-led movement to foster leadership, innovation, entrepreneurship, and social development among tribal students. The Bhagwan Birsa Munda Cell at IIT Delhi will serve as the nodal hub for this pan-India program.



» Shri Dharmendra Pradhan, Minister of Education, Inaugurates Key Programs and Startup Incubator at IIT Delhi - Abu Dhabi

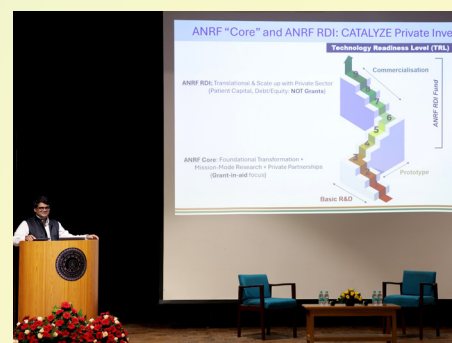


In a significant event highlighting the deepening strategic partnership between India and the United Arab Emirates, Shri Dharmendra Pradhan, Minister of Education, visited the IIT Delhi - Abu Dhabi campus on September 10. The visit also showcased the remarkable progress achieved by the campus in its first 1.5 years. The highlight of the event was the official launch ceremony for two new academic programs at IIT Delhi - Abu Dhabi. The Minister formally inaugurated the B. Tech. in Chemical Engineering and PhD in Energy and Sustainability. He also

engaged in a lively session with the students, faculty, and staff of IITD-AD. He was taken on a tour of the campus, where he was visibly impressed by the rapid establishment of a world-class academic and research environment.

» CEO of ANRF Delivers an Insightful Institute Lecture

Dr. Shivkumar Kalyanaraman, CEO of the Anusandhan National Research Foundation (ANRF), visited IIT Delhi on September 1, 2025, as a distinguished speaker for the prestigious "Institute Lecture Series." Dr. Shivkumar delivered an impactful lecture titled "ANRF Vision: Catalyzing India's Rise as a Research and Innovation Powerhouse." Through his talk, he shared the vision of ANRF and how the organisation is working towards establishing the best research environment for scientists and faculty members, while providing a conducive ecosystem to catalyse India's rise as a global research and innovation hub. He also sought innovative ideas from IIT Delhi researchers to create mission mode programmes and establish a PI-friendly research environment so that they can work more efficiently towards doing big things for the country and the world and not get caught up in the administrative side of things.



» SAI NCSSR and IIT Delhi Sign MoU to Give Impetus to Wider Use of Sports Science and Innovation in India

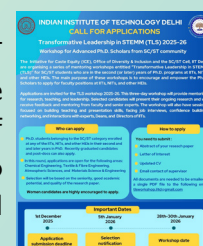


The MoU between the Sports Authority of India's (SAI) National Centre of Sports Science Research (NCSSR) and IIT Delhi will foster inter-institutional coordination and focus on the development of indigenous sports equipment, sports science devices, and cutting-edge technologies. This collaboration is expected to facilitate high-quality research in sports science and engineering, promote innovation-driven projects for athlete performance enhancement, enable knowledge sharing between leading experts and institutions and contribute to injury prevention and athlete well-being. Speaking about the partnership, Union Sports Minister Dr.

Manuskh Mandaviya said, "This partnership reflects the Ministry's commitment to integrating science and technology with sports to empower Indian athletes and ensure they are equipped to compete at the highest level internationally. Our Prime Minister Narendra Modi has advocated the use of Swadeshi products, and this partnership perfectly aligns with his vision."

» Third "Transformative Leadership in STEMM (TLS)" Workshop

The Initiative for Caste Equity (ICE), the Office of Diversity & Inclusion, and the SC/ST Cell, IIT Delhi, are organising a series of mentoring workshops entitled "Transformative Leadership in STEMM (TLS)" for SC/ST students who are in the second (or later) years of Ph.D. programs at IITs, NITs, and other HEIs. The main purpose of these workshops is to encourage and empower the PhD scholars to apply for faculty positions at IITs, NITs, and other HEIs. The last date to apply is December 1, 2025.



» IIT Delhi and Samco Inc., Japan, Join Hands to Boost Semiconductor and High-Efficiency Silicon Solar Cell Research

The partnership between Samco Inc. and IIT Delhi aims to strengthen academic exchange and cooperation in cutting-edge research and education and will boost innovation. With access to high-quality equipment from Samco, IIT Delhi is set to advance its research in semiconductors and energy technologies, positioning itself alongside top international research institutes. Dr. Osamu Tsuji, the founder and CEO of Samco, graced the MoU signing ceremony that took place at IIT Delhi. The MoU signing was followed by an insightful lecture delivered by Dr. Tsuji. The key initiatives under the MoU include provision and maintenance of top-quality process equipment by Samco, exchange of knowledge and information on research and education programs, and joint organization of continuing education courses, and mutual faculty participation.



» Adi Vaani – an AI-Powered Tribal Language Translator Launched



The Ministry of Tribal Affairs launched the beta version of Adi Vaani—India's first AI-Powered Translator for Tribal Languages Developed in Collaboration with IIT Delhi. At the beta launch stage, Adi Vaani supports Santali (Odisha), Bhili (Madhya Pradesh), Mundari (Jharkhand), and Gondi (Chhattisgarh), with Kui and Garo under development. The Minister of State for Tribal Affairs, Shri Durga Das Uikey, graced the launch event held on September 1. A pioneering initiative of the Ministry, Adi Vaani was developed by a national consortium of premier institutions led by IIT Delhi, with contributions from BITS Pilani, IIIT

Hyderabad, IIIT Naya Raipur, and State Tribal Research Institutes (TRIs) in Jharkhand, Odisha, Madhya Pradesh, Chhattisgarh, and Meghalaya. Prof. Sandeep Kumar from the Department of Electrical Engineering and Yardi School of AI, IIT Delhi, led the team.

» Biosafety Level 3 Research Facility Inaugurated to Foster Research Involving Highly Infectious Pathogens

To revolutionize biomedical and clinical diagnostics research, IIT Delhi has inaugurated a Biosafety Level 3 (BSL3) facility as part of its Central Research Facility (CRF). The new facility will facilitate research on diagnostic devices and therapeutics for class-3 pathogens, marking the first such initiative among leading educational institutions in India. Prof. Arvind Nema, Deputy Director (Operations), IIT Delhi, inaugurated the research facility on August 19. This landmark achievement represents a major stride in India's biomedical research capabilities and reaffirms IIT Delhi's commitment to driving innovation in healthcare technology. The BSL3 research facility would benefit startups and MSMEs immensely, as they can take up their hardware and personnel inside the facility for speedy iterations without investing in such specialized facilities.



» IHFC Establishes Medical Cobotics Centre at Shree Guru Gobind Singh Tricentenary University



IHFC has collaborated with Shree Guru Gobind Singh Tricentenary University, Gurugram, and established a state-of-the-art Medical Cobotics Centre (MCC) there. This one-of-a-kind Med-Tech facility features advanced simulation labs, world-class infrastructure, and collaborative innovation spaces designed to accelerate breakthroughs in robotic surgery, AI-driven diagnostics, and assistive healthcare technologies—paving the way for the future of medicine in India as well as globally.

» IIT Delhi and Wadhvani Foundation Inaugurate CoE in Precision & Personalized Healthcare under Wadhvani Innovation Network

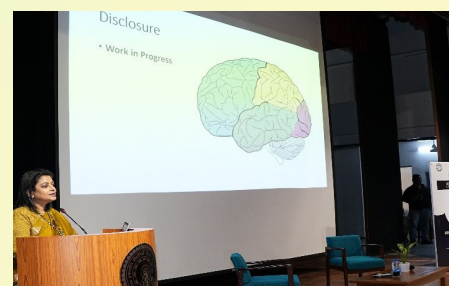


The inauguration ceremony at IIT Delhi's Research and Innovation Park on August 13 was led by Dr. Ajay Kela, CEO & Board Member, Wadhvani Foundation, and Prof. Rangan Banerjee, Director, IIT Delhi. The Centre of Excellence (CoE) in Precision & Personalized Healthcare focuses on healthcare technologies and is dedicated to accelerating the translation of high-impact research into market-ready solutions, addressing India's urgent and evolving medical needs. In Phase 1 of the project, the primary focus is on Personalized Medicine & Rehabilitation, Bio-Imaging and AI as Diagnostic Tools, Assistive Technology for the Elderly & Disabled, Personalized Implants

& Low-Cost Wearables. It aims to create a collaborative platform where academia, industry, and government work together to move innovations from lab to market faster, improving patient outcomes and strengthening India's global healthcare leadership.

» Arogya Health Talk Series

Dr. Manjari Tripathi, Professor and Head of the Department of Neurology at AIIMS, New Delhi, delivered the 6th talk under the Arogya Health Talk Series. Dr. Tripathi shared valuable insights on maintaining and enhancing brain health in her talk held on October 10, 2025, at IIT Delhi. The 5th talk of the Arogya series, organised by IIT Delhi Hospital and the Academic Outreach, focused on obesity, with Dr. Naval K. Vikram, Professor, Dept. of Medicine, AIIMS New Delhi, a pioneering researcher in metabolic health, speaking on "Obesity & Metabolic Disorders: The Fat-Muscle Crosstalk."



» University of Queensland and IIT Delhi Open Applications for Joint PhD Programme



The University of Queensland (UQ), Australia, and IIT Delhi have announced the opening of Expressions of Interest (Eoi) for their prestigious Joint PhD Programme, commencing in July 2026. Applications are invited from exceptional candidates across diverse disciplines, including Science, Technology, Engineering, Mathematics, Humanities, and Social Sciences. Eols can be submitted online until 7:00 PM (IST), January 7, 2026, via the official website: <https://uqiitd.org/study>.

» IIT Delhi and SJVN Develop High-Performance Concrete for Safer and Sustainable Dams

IIT Delhi in collaboration with SJVN Limited, has successfully completed a 30-month research and development project on "High-Performance Concrete (HPC) for Sluice Spillways of Dams and Barrages." The project was led by Prof. Sahil Bansal, Department of Civil and Environmental Engineering, IIT Delhi, with the objective of finding durable solutions to frequent and costly repairs in hydraulic structures. The researchers have developed and tested High-Performance Concrete (HPC) and Ultra-High-Performance Concrete (UHPC) mixes with enhanced abrasion resistance, impact resistance, and energy absorption capacity. Laboratory investigations demonstrated that these concretes not only provide higher compressive and flexural strength but also show significantly reduced material loss under underwater abrasion and hydraulic impact testing. Incorporation of supplementary cementitious materials and steel fibers further improved performance.



RESEARCH AND INNOVATION

» Mobile Apps Seeking Precise Location Permissions Can Reveal a Significant Amount of Private Information



When we think of GPS, we imagine Google Maps guiding us to a café or an online app tracking a delivery. But in reality, every modern smartphone receives dozens of subtle GPS signals—filled with tiny fluctuations in frequency, noise, and strength—that most users never notice and GPS software does not require.

Pathbreaking research conducted by Soham Nag, an M. Tech. student, Center of Excellence in Cyber Systems and Information Assurance, IIT Delhi, and Dr. Smruti R. Sarangi, Professor in the Computer Science and Engineering Dept., IIT Delhi, shows that these hidden clues can reveal far more than just the location: they can quietly expose an android mobile app user's activity, environment, and even the layout of the room or floor they are in.

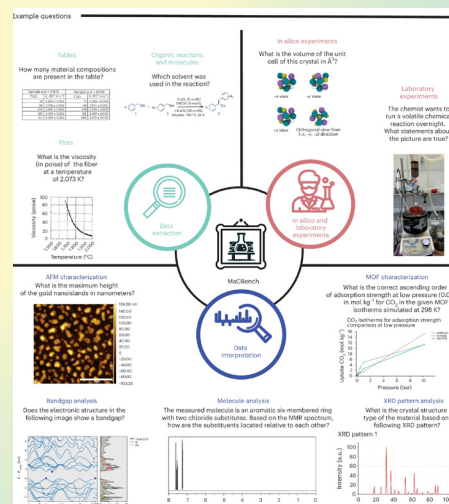
The researchers proposed AndroCon, the first system to demonstrate that the “fine-grained” GPS data already accessible to Android apps with precise location permissions can act as a covert sensor. Without using the camera, microphone, or motion sensors, AndroCon interprets nine low-level GPS parameters—such as the Doppler shift, signal power, and multipath interference—to infer whether someone is sitting, standing, lying down, inside a metro, on a flight, in a park, or in a crowded outdoor space. They can also infer if the room is crowded or empty.

Read more: <https://shorturl.at/47p0D>

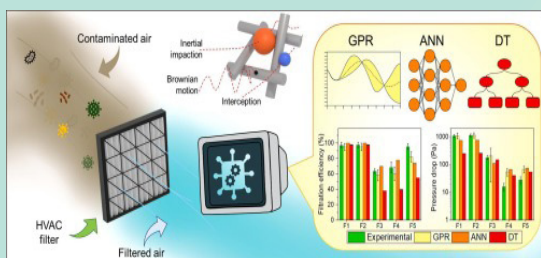
» Leading AI Models Excel at Basic Tasks, Lack Scientific Reasoning: Study

In a recent study, researchers from IIT Delhi and Friedrich Schiller University Jena (FSU Jena) challenge the current hype around artificial intelligence and large language models in scientific discovery. Their study, published in Nature Computational Science, reveals that while leading AI models show promise in basic scientific tasks, they exhibit fundamental limitations that could pose risks if deployed without proper oversight in research environments. The research team, led by Prof. N. M. Anoop Krishnan (IIT Delhi) and Prof. Kevin Maik Jablonka (FSU Jena), developed MaCBench, the first comprehensive benchmark specifically designed to evaluate how vision language models handle real-world chemistry and materials science tasks. MaCBench comprises over 1,100 questions spanning the entire scientific workflow, from interpreting research literature to executing experiments and analyzing data. The benchmark tested four leading AI models: Claude 3.5 Sonnet, GPT-4o, Gemini 1.5 Pro, and Llama 3.2 90B Vision across diverse scientific tasks. The results revealed a striking paradox: while AI models achieved near-perfect performance in basic perception tasks like equipment identification, they struggled significantly with spatial reasoning, cross-modal information synthesis, and multi-step logical inference—capabilities essential for genuine scientific discovery.

Read more: <https://shorturl.at/NvHqK>



» Machine Learning Framework Developed to Design Smarter HVAC Filters to Ensure Healthier Indoor Air Quality



COVID-19 highlighted the urgent need to improve indoor air quality, especially through better air filtration in heating, ventilation, and air-conditioning (HVAC) systems. The challenge is that filters that trap more harmful particles often block airflow, making systems less efficient and more energy hungry. In a breakthrough for cleaner and healthier indoor environments, an international team of researchers led by Prof. Amit Rawal from the Department of Textile and Fibre Engineering, IIT Delhi, has

developed a machine learning framework to design smarter HVAC filters. By training machine learning models on diverse data points collected from studies worldwide, the researchers were able to predict both how well a filter cleans the air and how easily air can pass through it. The system was tested with industrial data from Elofic Industries Ltd., showing its ability to guide filter designs for real-world applications. The team's study, Machine learning-driven strategies for optimal design of Heating, Ventilation, and Air-Conditioning (HVAC) filter media has been published in Separation and Purification Technology. The research team included PhD students, Siddharth Shukla, Danvendra Singh, and Alok Maurya; undergraduate student, Chhaveesh Manocha; faculty members Prof. Amit Rawal (IIT Delhi) Dr. Anuj Kumar Shukla, Dr. Sumit Sharma, Dr. Vijay Kumar, Prof. Nawar Kadi, and Prof. Artem Kulachenko; and an industry expert, Mr. Kamlesh Koul.

Read more: <https://shorturl.at/LhozP>

» mPRAGATI at IIT Delhi Develops Indigenous Customized Temporo-Mandibular Joint (TMJ) Implant

In a landmark advancement for India's medical technology sector, a customized Temporo-Mandibular Joint (TMJ) implant procedure was successfully performed on four patients by the clinical team at Maulana Azad Institute of Dental Sciences, New Delhi. The TMJ implant was indigenously developed at the ICMR-DHR-MedTech Product Development Acceleration Gateway of India (mPRAGATI) — a state-of-the-art facility coordinated by Medical Device and Diagnostics Mission Secretariat at IIT Delhi. This innovation represents a major leap towards reducing dependence on imported implants and enhancing access to affordable, high-quality medical devices for Indian patients. "The successful implantation of customized TMJ implant at MAIDS, supported by ICMR and mPRAGATI-IIT Delhi, reflects the growing strength of India's MedTech sector", said Shri J.P. Nadda, Hon'ble Union Minister of Health & Family Welfare.



» Smart Mosquito-Repellent Detergents Developed



Many diseases, such as malaria, dengue, and chikungunya, are spread by mosquitoes. Currently, the available protective measures against mosquitoes include liquids, coils, lotions, creams, roll-ons, sprays, and patches. However, these options come with their own limitations in effectively repelling mosquitoes. To address the issue of mosquito bites, Prof. Javed Nabibaksha Sheikh from the Department of Textile and Fibre Engineering, IIT Delhi, has developed innovative mosquito repellent detergents. The detergents are available in both powder and liquid forms and maintain comparable wash-care properties.

Since a mosquito's proboscis can easily penetrate fabric structure, it is crucial to deter them from landing on textiles. The active components of the detergents interact with fibers during the washing process, making them less attractive for mosquito landing. It works on both smell and taste sensors of the mosquitoes. As textiles are frequently washed, the mosquito-repellent properties are regenerated with each wash, ensuring both efficiency and durability.

INDUSTRIAL RESEARCH AND DEVELOPMENT

Total 158 Sponsored Research & Consultancy Projects Initiated Through IRD Unit During
July - September 2025 With a Total Sanctioned Fund of
Rs. 11,547 Lacs

59 Sponsored Research Projects Total Sanctioned Fund ₹ 10,603 Lacs		
Project Department/Centre/School	No. of Projects	Sanctioned Funds (Rs. in Lacs)
Dept. of Biochemical Engineering & Biotechnology	4	127.90
Dept. of Chemical Engineering	3	308.18
Dept. of Civil Engineering	4	209.75
Dept. of Computer Science & Engineering	4	183.08
Dept. of Electrical Engineering	5	1444.66
Dept. of Energy Science and Engineering	4	454.06
Dept. of Material Science & Engineering	3	316.18
Dept. of Mathematics	1	15.52
Dept. of Mechanical Engineering	2	606.26
Dept. of Physics	6	105.49
Dept. of Textile & Fibre Engineering	6	336.95
Centre for Applied Research in Electronics (CARE)	1	49.90
Centre for Atmospheric Sciences	1	9.99
Centre for Automotive Research and Tribology (CART)	1	20.00
Centre for Biomedical Engineering	1	177.86
Optics and Photonics Centre	2	1036.53
Centre for Sensors, Instrumentation and Cyber-physical Systems Engineering (SeNSE)	3	3517.86
School of Biological Sciences	2	139.43
School of Public Policy	5	1538.83
Central Library	1	4.32

99 Consultancy Projects Total Sanctioned Fund ₹ 944 Lacs		
Project Department	No.	Sanctioned Funds (Rs. in Lacs)
Centre for Biomedical Engineering	2	19.31
Dept. of Applied Mechanics	8	27.15
Dept. of Civil Engineering	84	748.09
Dept. of Computer Science & Engineering	1	63.75
Dept. of Electrical Engineering	1	0.65
Dept. of Management Studies	2	73.80
School of Public Policy	1	11.33

Significant Research Activities

Memorandum of Understanding (MoU)

- » **IIT Delhi and Aakanksha (Ministry of Defence, GoI) & Mechartes Researchers Pvt. Ltd., Noida (Tripartite)**

IIT Delhi and Aakanksha (Ministry of Defence, GoI) & Mechartes Researchers Pvt. Ltd., Noida signed an MoU on July 11, 2025, to provide Design Support, Analysis and Validation of issues related to Propulsion & Power Generation Systems and Habitability of Environment for the next Generation Platform of Aakanksha.



- » **IIT Delhi & Life Sciences Sector Skill Development Council (LSSSDC)**

IIT Delhi and Life Sciences Sector Skill Development Council signed an MoU on July 15, 2025. The primary objective of this agreement is to establish a framework for collaboration between the PMA and the Institute to effectively implement the approved program of Master of Science Research in Healthcare Technology and M. Tech in Bio-Medical Engineering.

- » **IIT Delhi and Garden Silk Mills Private Limited, Surat**

IIT Delhi and Garden Silk Mills Pvt. Ltd., Surat (GSMPL) signed an MoU on September 23, 2025, with regard to cooperation in different activities like collaborative projects, training/ knowledge transfer, research consultancy, executive development program for GSMPL executives, and sharing laboratories of IIT Delhi and GSMPL for research.



Global Research Partnership (GRP) Programme

- » **UQ-IITD Research Collaborative Grants Scheme 2025**



The UQ-IITD Joint Call was announced on August 17, 2025 for one-year projects in the following thematic areas: Healthcare and Biotechnology, Quantum Technologies, Digital Futures and Artificial Intelligence, Societal Transformations and Livelihoods, Clean Energy and Sustainability, and Advanced Materials and Manufacturing.

- » **National Yang Ming Chiao Tung University (NYCU-IITD Joint Doctoral Degree Program)**

Eight IITD-NYCU joint PhD students were conferred their joint doctoral degrees in this year's convocation held on August 2, 2025.

- » **Mohamed Bin Zayed University of Artificial Intelligence (MBZUAI)-IITD**

Seven joint projects have been approved for one-year support beginning 1 July 2025. Each project will receive US \$5,000 from MBZUAI and either INR 5 lakh from IIT Delhi or AED 20,000 from IITD-Abu Dhabi, allocated to the respective faculty members. The projects focus on applying Artificial Intelligence across a range of research domains, including (but not limited to) Healthcare, Smart Cities and Infrastructure, Smart Manufacturing and Materials, Climate Change, Agriculture and Water, and Energy and Sustainability.



» Khalifa University (KU)-IITD



Thirteen joint projects have been awarded one-year financial support beginning July 01, 2025. Each project will receive a seed grant of up to INR 5 lakh for the IIT Delhi PI, AED 20,000 for the IIT Delhi–Abu Dhabi PI, and AED 20,000 for the KU PI from their respective institutions. These projects span a wide range of areas, including Advanced Materials and Devices, Manufacturing and Industry 4.0, Quantum Technologies, Water and Climate Sustainability, and Carbon Capture, Utilisation and Storage.

» TUD-IITD GRP

Five joint project proposals have been selected for support by TU Delft and IIT Delhi in complementary research areas, including control and communication for complex networked systems, experiments and modelling for urban flood and heat mitigation, big data in urban heat, energy optimisation with enhanced load modelling, and climate-resilient infrastructure for energy transitions. These projects will commence on 14 July 2025 and will run for a duration of one year.



» UCL – AIIMS – IITD GRP



UCL, AIIMS, and IIT Delhi have launched research collaborations aimed at co-developing affordable medical technologies across devices, implants, and digital health. A trilateral call was announced on July 15, 2025, and three joint projects focusing on Technology Readiness Levels 3 and above were selected in the areas of image-based digitisation of paper records, multimodal

fetal monitoring using novel optical sensors and AI, and AI-guided thyroid surgery. These projects are supported with ₹10 Lakh per year from IIT Delhi and equivalent funding from the other two institutions for a duration of two years. Additionally, four projects targeting Technology Readiness Levels (TRL 1–3) were selected. These include the development of a sensor-integrated hand hygiene system, an advanced knee brace, an innovative speculoscope for community-based cervical cancer screening, and an electrochemical test for early detection of HPV-16 and HPV-18 in cervical cancer screening. These projects are supported with ₹5 Lakh per year from IIT Delhi and equivalent funding from the other two institutions for a duration of one year.

» Hebrew University of Jerusalem, Israel (HUJI)-IITD GRP

The fourth joint call for project proposals between the Hebrew University of Jerusalem (HUJI) in Israel and IIT Delhi was announced on August 04, 2025. The call invited proposals in the fields of Natural Sciences and Mathematics, AI/ML and Cyber Security, Supercomputing and Quantum Computing, Agriculture, Energy, Sustainability and Climate Change, HealthTech and MedTech, and Advanced Materials and Devices. Interdisciplinary projects and those involving industry collaboration were encouraged.



Major Outcomes

» RCB-IITD Joint Projects Call



The major outcomes of the four joint seed-funded projects between the Regional Centre for Biotechnology (RCB) and IIT Delhi, initiated in 2023 for a two-year duration, include four publications, five conference papers, the CSIR ASPIRE Award received by Prof. Ritu Kulshreshtha, and the development of a patent and a startup. Additionally, five project proposals have been submitted to external funding agencies, and six joint research students have contributed to these projects.

» TU- Delft Call 2024

The major outcomes of the TU Delft–IIT Delhi joint seed-funded projects include four publications, two conference papers, a Symposium on Sustainability in Design Education held in March 2025, a Workshop on Digital and Climate-Conscious Built Environments conducted in April 2025, and the submission of three project proposals to external funding agencies.

New IRD Initiatives

» N-IRIS New Workflow for “Biosafety Clearance”

Introduced a new workflow in N-IRIS to facilitate online submission of the Biosafety clearance form. The Biosafety Clearance form can now be submitted through the link “Biosafety Clearance” (available under the menu tab ‘Safe-Research’). A provision to upload a duly filled Biosafety Clearance Form is provided on the submission screen. The request will be routed to the Convenor of the Institute Biosafety Committee for further processing/approval.

» N-IRIS New Workflow for “Ethical Clearance”

The IRD Unit implemented a new workflow in N-IRIS to streamline online submission of the ethical committee clearance form.

» Revised EMG (Equipment Matching Grant) Guidelines

1. An EMG equivalent to the funds sanctioned under the equipment head in one or more externally funded sponsored projects approved within 3 years of faculty joining the institute or Rs. 30 lakhs, whichever is lower, will be provided. The maximum amount of EMG will be capped at Rs. 30 lakhs. A faculty member may apply for EMG multiple times until the maximum limit of Rs. 30 lakhs is reached. The faculty will be given one full year to utilise the EMG from the date of each sanction.
2. The equipment to be purchased under the EMG need not be related to the sponsored research projects. New faculty can utilise the EMG to purchase other equipment needed for their research. The EMG cannot be used for purchasing personal desktops, laptops/tablets, phones, and computer peripherals, large screens/TVs, furniture, printers, refrigerators for food/office use, air purifiers, air conditioners, heaters, office supplies, and other similar items.
3. The IRD will publish the list of equipment procured through the EMG on the IRD website. The new faculty member will provide an undertaking that the equipment will be made available for use by other faculty members whenever required.
4. Faculty members, who are yet to complete 3 years from the date of joining the institute and are yet to utilise EMG of Rs. 30 lacs, are eligible for this scheme.

» Fast Track Payments Request Introduced

A special provision in the form of “FAST TRACK PAYMENTS REQUEST” has been introduced in IRIS to facilitate quick payments to External Professionals and Students involved in various Sponsored Projects. Efforts are also made to ensure that bill payments, which are complete in all respects, are processed within 5-7 working days.

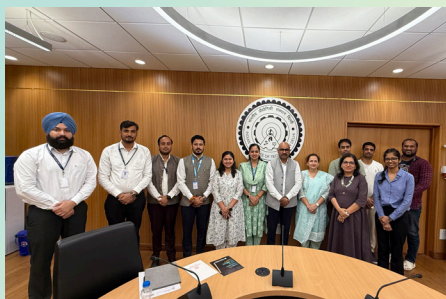
CORPORATE RELATIONS

» IIT Delhi and DCM Shriram's Fenesta Join Hands

IIT Delhi has partnered with Fenesta, the windows and doors division of DCM Shriram Ltd. The collaboration focuses on developing lightweight uPVC luxury slider window frames using alternative core materials. This partnership reflects DCM Shriram's commitment to innovation and sustainability and IIT Delhi's continued efforts to advance industry-academia collaboration for impactful research and technological development. This partnership is led by Prof. Jayant Jain and Prof. Lakshmi Narayan Ramasubramaniam (Materials Science and Engineering Dept.).



» Quality Council of India Explores Research Collaboration



Strengthening the bridge between research and real-world impact, a team from the Quality Council of India (QCI) led by Mr. Shyamjee Singh (Joint Advisor) and Ms. Aashna Arora (Senior Project Manager) visited IIT Delhi. The purpose of the visit was to explore how QCI and IIT Delhi can collaborate to enhance the quality of technologies, services, and systems that impact everyday life. Faculty members across Civil, Mechanical, and Electrical Engineering, Management Studies, and CART shared their ongoing work and ideas.

» WorldTradeX Explores Collaboration Opportunities in the Field of Food Security

Dr. Roderick Saper, Director of University R&D Innovation at WorldTradeX, a technology company focused on food and nutrition security, visited IIT Delhi. The visit aimed to explore potential collaboration opportunities between the two entities in the areas of food security and food trade networks. From IIT Delhi, brief presentations were made by Prof. Vivek Kumar, CRDT; Prof. Varun Ramamohan, Mechanical Engineering; and Prof. Rohit Vaish, Computer Science and Engineering.



» Upgraded HORIBA-IIT Delhi Technical Center Inaugurated

HORIBA India inaugurated the upgraded HORIBA-IIT Delhi Technical Center at the Department of Chemistry, IIT Delhi. The ribbon unfurling was led by Prof. Rangan Banerjee, Director, IIT Delhi, and Mr. Hideyuki Koishi, Board Member & General Manager, Group Strategy Division, HORIBA Ltd., Japan & Chairman, HORIBA India. The facility, equipped with advanced instruments, including Particle Characterization Analyzers, an X-Ray Fluorescence Analyzer, and Spectrometers, is shared in collaboration with DST-SATHI.

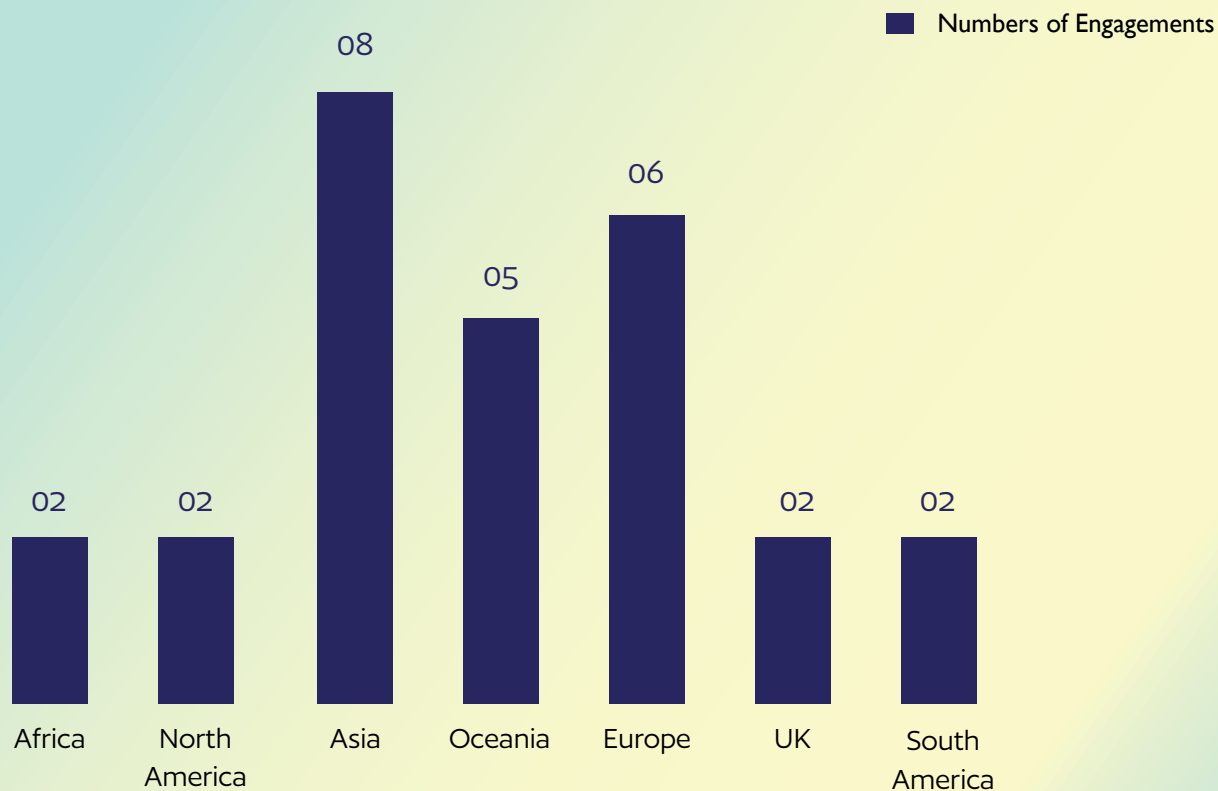
» IIT Delhi and GSTN Forge Strategic Partnership



An MoU has been signed between IIT Delhi and the Goods and Services Tax Network (GSTN) to drive innovation in taxation technology and digital governance. This collaboration unites IIT Delhi's strengths in research and innovation with GSTN's pioneering role in managing one of the world's largest taxation technology platforms. The partnership is envisioned to advance digital governance, enable cutting-edge data-driven solutions, and foster capacity-building in the domain of taxation technology.

INTERNATIONAL CONNECT

During July-September 2025, IIT Delhi hosted several international delegations, strengthening collaborations with partner universities and industry leaders worldwide. These engagements provided valuable opportunities to explore joint initiatives and deepen institutional partnerships.



Major Delegation Visits to IIT Delhi



Officials from Japanese Local Government from Japan – September 9, 2025



Mr. Jan Reint Smit, Innovation Counsellor, Embassy of the Kingdom of the Netherlands - September 11, 2025



24-member delegation from Swedish SME - September 15, 2025



Dr. Peter Moser, Rector of the University of Leoben, Austria – September 18, 2025



Mr. Fumio Yamasaki, Economic Minister of Japan – August 11, 2025



8-member delegation led by Prof. Julien Epps, Dean- Faculty of Engineering University of South Wales (UNSW) – August 25, 2025



H.E. Kwusike Onyeama Geofrey Jideofor, Former Foreign Minister of Nigeria - July 23, 2025



31-member delegation led by Prof. Hsu Chiang, Department of Photonics at National Cheng Kung University, Taiwan - July 30, 2025



IIT Delhi was honored to host a high-level delegation from Panama on 30th July 2025, led by H.E. Mr. Carlos Arturo Hoyos, Vice Minister of Foreign Affairs of Panama. The discussions were co-led by Prof. Rangan Banerjee, Director, IIT Delhi, and H.E. Mr. Arturo Hoyos, focusing on exploring collaborative opportunities in advanced technology and avenues for knowledge exchange between India and Panama.

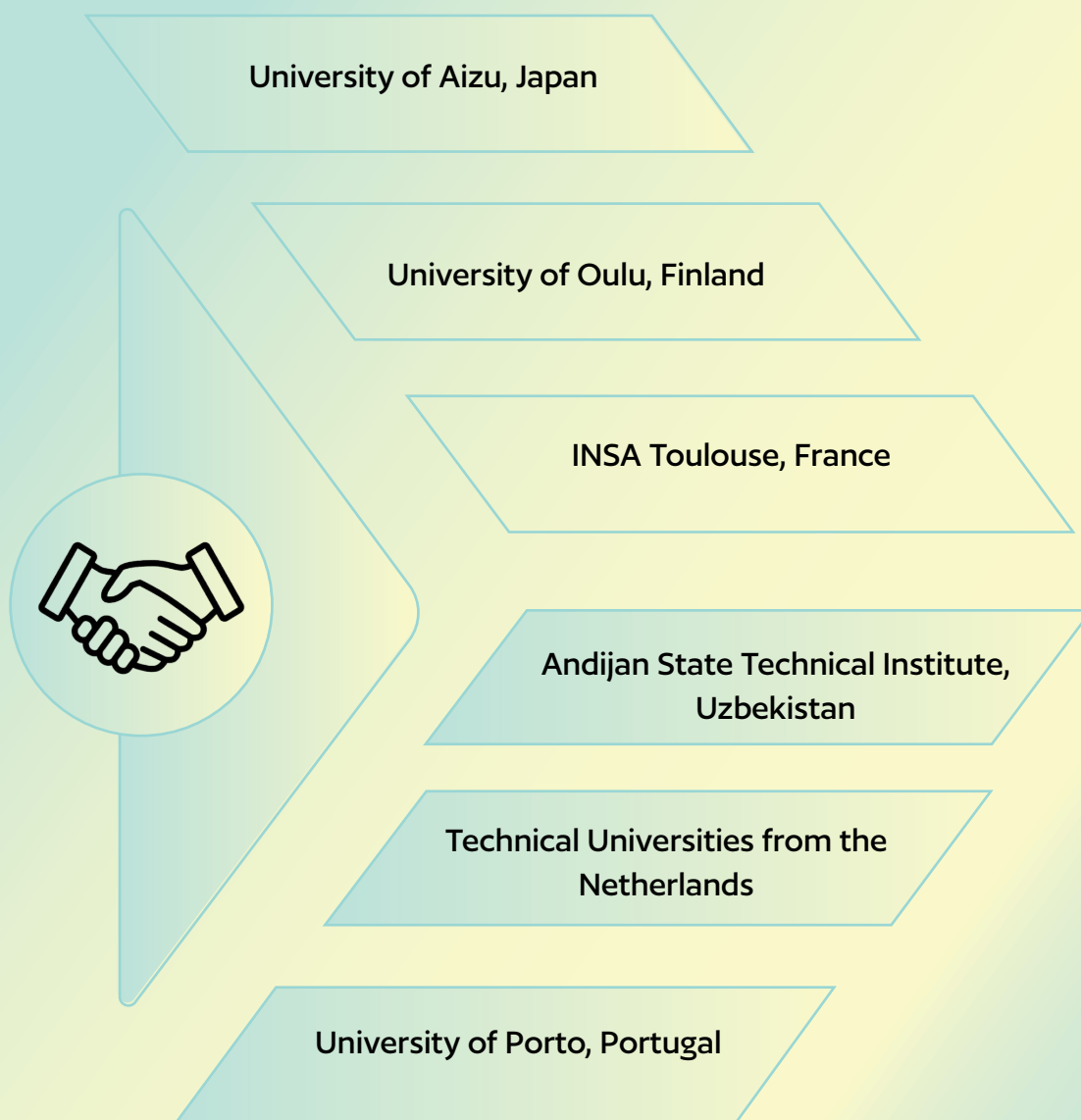
Cultural and Heritage Tour

The Office of International Programmes, IIT Delhi, organized a trip to Rajasthan for international students from 30th September to 4th October 2025. A total of 26 students participated in the trip.



Memorandum of Understanding

IIT Delhi formalized academic collaborations with the following institutions during July - September 2025:



ALUMNI RELATIONS

» IIT Delhi Alumni Meet-Up in Hyderabad

On August 23, 2025, the IIT Delhi Alumni Relations Office had the pleasure of hosting a special city meet-up in Hyderabad. Alumni from various batches came together to reconnect, share memories, and strengthen the IIT Delhi community in the region. The occasion was filled with engaging conversations and networking.



» Campus se Career Tak



On August 26, 2025, the Alumni Relations Office in collaboration with the Student Relations Team, OCS, and eDC, hosted a session under the Campus se Career Tak series. The speaker was Vidit Aatrey (B. Tech, Electrical, 2012, Jwalamukhi Hostel), Founder & CEO of Meesho. He shared his journey from IIT Delhi to building one of India's most successful social commerce platforms. The session concluded with an engaging Q&A, where students sought advice on career choices, risk-taking, and building impactful ventures.

Alumni Spotlight

» IIT Delhi Alumnus Rises to Senior Role at CWC

Mr. Elagandhula Venkateswarlu, an IIT Delhi alumnus (M. Tech., Civil Engineering, Class of 2000) and resident of Nadikuda (Warangal District), has been promoted to Superintending Engineer at the Central Water Commission (CWC), New Delhi, effective June 27, 2025, in recognition of his exceptional contributions to water resources engineering.

» Breaking Stereotypes: From UPSC to Hindustani Classical Music

Kashish Mittal, an IIT Delhi alumnus (B. Tech., Computer Science, Class of 2010) and former IAS officer, has charted an extraordinary path by pursuing his lifelong passion for Hindustani classical music. After excelling academically and securing top ranks in the civil services, Kashish made the bold decision in 2019 to step away from his bureaucratic career and fully dedicate himself to Khayal gayaki from the Agra Gharana.



» MobiKwik's Bipin Preet Singh Shares Candid Financial Wisdom

MobiKwik co-founder and CEO Bipin Preet Singh (B. Tech/M. Tech '04) recently shared a powerful and personal message on financial planning, resonating deeply with young professionals. The alumnus revealed that despite being a founder, he had less than Rs 1 crore in savings at the age of 40. He cautioned the youth against chasing unrealistic money goals often glamorized on social media, emphasizing that sustainable wealth creation is a marathon, not a sprint.

Read more- (<https://shorturl.at/yWfCs>)

» Choosing Service Over High-Paying Corporate Job



In an inspiring story of purpose over paycheck, IPS officer Archit Chandok, an alumnus of IIT Delhi, shared how he rejected a lucrative job offer to pursue the UPSC examination. After graduating, Archit worked in the corporate world but felt a strong calling to contribute to society more directly. He left his job to dedicate himself to the rigorous preparation for the civil services, successfully clearing the examination to become an IPS officer.

» Celebrating a Lifetime of Service: Dr. Biplab Shankar Bose

Dr. Biplab Shankar Bose from the esteemed 1969 batch has exemplified the IIT Delhi spirit of excellence beyond engineering. His commitment to societal impact is truly inspiring. As a past president of the Rotary Club of Salt Lake City, Calcutta, he was recognized for his dedicated service in leading community projects in the slums of Kolkata and surrounding rural areas. Further extending his influence on international cooperation, Dr. Bose currently serves as the President of the Indo-Israel Foundation (INIL), working alongside Israeli scientist Mr. David Mizrahi to foster collaboration between the two nations.

Scholarships and Awards

» ANSYS Scholarship

The ANSYS Scholarship, supported by ANSYS Software Pvt. Ltd. and facilitated by Mr. Preet Inderjeet Singh Walia, Director, is empowering academic excellence at IIT Delhi by providing scholarships to 11 M. Tech students, with a special emphasis on encouraging women scholars.

» Manrai Excellence Award & MSR Fellowship

The Mr. Mohan Lal & Mrs. Usha Rani Manrai Excellence in Research Award and the MSR Fellowship in CBME, instituted by Dr. Ajay Manrai, honour outstanding doctoral research at the Centre for Biomedical Engineering (CBME). These awards celebrate translational work with real-world impact.

» MoU with Valorem Stack Pvt. Ltd. for STEM Outreach Programme

IIT Delhi has signed an MoU with Valorem Stack Pvt. Ltd. to launch an innovative STEM Outreach Programme, aiming to inspire and empower the next generation of scientists and engineers. Supported by a grant of ₹11 lakhs, the six-month initiative will immerse school students, particularly female students, in the dynamic world of STEM research through research exposure, hands-on lab work, faculty-led lectures, DIY sessions, collaborative projects, etc.

» Dr. P. L. Bhargava Best Thesis Award in HuSS

Endowed by Mr. Divakar Bhargava, an IIT Delhi alumnus, in honor of Dr. P. L. Bhargava, the Dr. P. L. Bhargava Best Thesis Award in HuSS will recognize outstanding Master's theses from the Department of Humanities and Social Sciences, with preference given to students in the MA Culture, Society, Thought program. The award carries a cash prize of ₹25,000.

» Kaushalya Climate & Sustainability Spirit Award

Supported by Ms. Bharti Singhla (B.Tech, Chemical Engineering, 2015), the Kaushalya Climate & Sustainability Spirit Award recognizes graduating students who have actively contributed to the field during their time at IIT Delhi and have chosen to pursue impactful careers—by founding or joining startups or non-profits in climate-tech, clean energy, or sustainability. Starting with the graduating batch of 2025-26, the award carries a prize of ₹50,000.

» MoUs Signed for Dalmia Scholarship Programs



Mr. Raghu Hari Dalmia generously supports two scholarship programs that will benefit meritorious UG students. The first initiative is for Nilgiri Hostel students, under which 8 students will receive scholarships covering partial or full fee reimbursement up to ₹100,000. Based on family income, recipients will be awarded ₹30,000 or ₹50,000 per semester. The second program will provide similar support for students of the Mechanical Engineering Department.

» Snehprabha Kothari Aspiration and Learning Excellence Award (SKALE)

The Snehprabha Kothari Aspiration and Learning Excellence (SKALE) Award has been created through the generous contribution of Nidhi and Prakhar Bansal, in honor of their mother, Snehprabha Kothari. The merit-based award valued at Rs 1 lakh annually will support second-year UG girls residing in Kailash Hostel, recognizing academic excellence, perseverance, and aspirations to make a positive difference in their communities.



» G.H. Raisonni Cash Award for Excellence in Computer Science

Supported by Ankush Shivshankar Sanstha of Raisonni Education, the G.H. Raisonni Cash Award for Excellence will recognize top-performing undergraduates in Computer Science and Engineering. Beginning with the graduating class of 2025-26, this prestigious award will be conferred annually for 10 years to the most meritorious graduating student from the department, based on the highest CGPA. The award carries a cash prize of ₹500,000, making it one of the most significant recognitions for academic excellence within the institute.

Newly Instituted Awards, Scholarships and Chairs

The spirit of giving within our alumni community continues to strengthen IIT Delhi's academic and research fabric. With a total contribution of Rs. 24,207,447.5 between July and September 2025, their generous contributions have led to the creation of eight new scholarships, six new awards, and the endowment of a new chair professorship.

Alumni Endowment Fund	Batch Fund	Chair
- Global Alumni Endowment Fund - STAY CON	1998 Batch Endowment - Class of 1992 Fund - Class of 1999 Fund	Mrs Kamla Gupta Chair Professor
Others	Scholarships and Awards	
- CSE/Chandruka Doctoral Grant - Valorem Stack Pvt Ltd	1968 Electrical Batch Scholarship 1984 Scholarship - ARRA Scholarship - CSR Cookson India Pvt. Ltd. Scholarship - Dr. P.N Kapur & Mrs Pushpa Kapur Memorial Award - Dr. K L mittal Excellence award - G.H. Raisonni Cash Award for Excellence - Manrai Research Award and Fellowship in CBME - Mrs. C. Mohini & Mr Jeewan Kapoor Merit Prize - NBCC Prize of Excellence - Nirmal Prasad Jain Scholarship - Ravinder Kumar Rishi Scholarship - Shraman Foundation Scholarship - Winnie Sun Merit cum need based Scholarship	

AWARDS & ACHIEVEMENTS



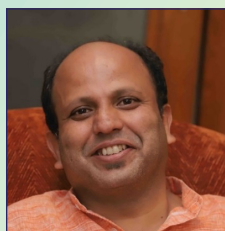
Prof. Suresh Bhalla
Civil and Environmental Engineering
Elected as an INAE Fellow



Prof. Arvind Kumar Nema
Civil and Environmental Engineering
Elected as an INAE Fellow
&
Book Author Award by Springer Nature



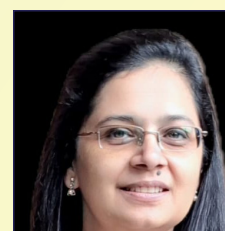
Prof. Saif Khan Mohammed
Electrical Engineering
Elected as an INAE Fellow



Prof. Nilanjan Senroy
Electrical Engineering
Elected as an INAE Fellow



Prof. Siddhasatwa Basu
Chemical Engineering
Elected as an INSA Fellow



Prof. Shilpi Sharma
Biochemical Engineering and Biotechnology
Elected as an INSA Fellow



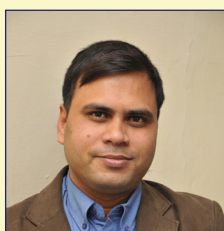
Prof. Tapan Kumar Chaudhuri
School of Biological Sciences
Elected as an NASI Fellow



Prof. Siddharth Pandey
Chemistry
Elected as an NASI Fellow



Prof. Dipti Ranjan Sahoo
Civil and Environmental Engineering
Elected as an NASI Fellow



Prof. Ravi Prakash Singh
Chemistry
Elected as an NASI Fellow



Prof. Vikrant Kaim

Centre for Applied Research in Electronics
Selected as an INAE Young Associate 2025
and conferred the INAE Young Engineer
Award 2025



Prof. Arya Vijayanandan

Civil and Environmental Engineering
Selected as an INAE Young Associate 2025



Prof. Rohith A.N

Civil and Environmental Engineering
Awarded "Schmidt AI in Science Faculty
Fellowship" of the Oxford University, UK



Prof. Abhijit Majumdar

Textile and Fibre Engineering
Nominated as the Chairperson of NITI Aayog
Working Group on Circular Economy in Textile
Waste



Prof. Ayan Bhowmik

Materials Science and Engineering
Elected as a member of NASI for this year
under the Engineering and Science Technology
section



Prof. Srinivas Mogili

Civil and Environmental Engineering
Awarded The Wason Medal for the most
Meritorious Paper by American Concrete
Institute (ACI)



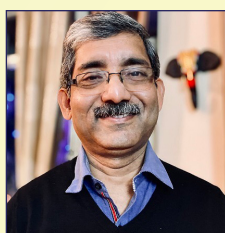
Prof. Arjun Ghosh

Humanities and Social Sciences
Elected as the President of the Digital
Humanities Alliance for Research and
Teaching Innovations (DHARTI)
&
Secured 3rd Position in Gyan Setu National
AI Innovation Challenge



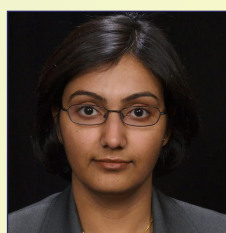
Prof. Chetan Arora

Computer Science and Engineering
Secured 3rd Position in Gyan Setu National
AI Innovation Challenge



Prof. Apurba Das

Textile & Fibre Engineering
Honoured at the IEI NMLC FCRT
Excellence Awards 2025 by The Institution
of Engineers (India)



Prof. Tanusree Chakraborty

Civil and Environmental Engineering
Driving DEI Initiative - Her Research, Our Future
Award by Springer Nature



Prof. Gazala Habib

Civil and Environmental Engineering
Driving DEI Initiative - Her Research, Our
Future Award by Springer Nature



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