



# Indian Institute of Technology Delhi



Quarterly

AUGUST 2024 ISSUE

# NEWSLETTER

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# NEWS UPDATES

## 55th Convocation 2656 IIT Delhi Graduates Receive Degrees and Diplomas

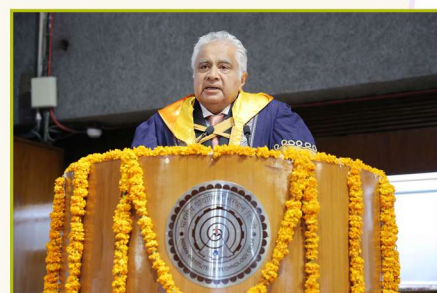
IIT Delhi held its 55th annual convocation on August 10, 2024. The Chief Guest, Shri. Hari S. Bhartia, Founder and Co-Chairman, Jubilant Bhartia Group, and a distinguished IIT Delhi alumnus of the 1979 batch (B.Tech. Chemical Engineering), delivered the convocation address.

Addressing the graduating students, Shri. Hari S. Bhartia said, “The world requires individuals who can connect all the dots through creative thinking and decisive action. Don’t be afraid to take risks. Embrace uncertainties that come your way. The world is changing rapidly, and your ability to learn and adapt will be your greatest asset.”

Shri Harish Salve, Chairperson, Board of Governors, IIT Delhi, who presided over the convocation ceremony, presented the Distinguished Alumni Awards to the alumni and Institute Medals to the graduating students.

2656 graduating students received their degrees and diplomas. Out of the total students who graduated, 660 (25%) were women.

An all-time high of 481 PhD graduates, including 206 women doctorates (42%), received degrees—a testament to IIT Delhi’s emphasis on research.



*Manas Choudhary, B.Tech. in Engineering Physics, was awarded the President’s Gold Medal.*



*Divyansh Agarrwal, B.Tech. in Electrical Engineering, was awarded the Director’s Gold Medal.*



*Dr. Shankar Dayal Sharma (former President of India) Gold Medal was awarded to Anjali Kumari, an M.Tech. graduate in Instrument Technology.*

Twenty-eight international students (M. Tech. 23; PhD-04; and MS Research-01) also received their degrees at the convocation 2024.

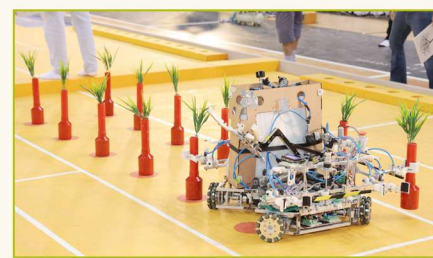
The convocation 2024 also witnessed first graduates in two UG programs, i.e., B.Tech. in Materials Engineering and B.Tech. in Engineering & Computational Mechanics, and four PG programs, i.e., M.Tech. in Machine Intelligence & Data Science, M.Tech. in Biomolecular & Bioprocess Engineering, M.S.(R) in Transportation Safety and Injury Prevention, and M.S.(R) in Automotive Research and Tribology.



# NEWS UPDATES

## IIT Delhi Hosts DD Robocon India 2024

IIT Delhi hosted the prestigious robotics competition DD-Robocon India 2024 on July 13–14, 2024, in partnership with Prasar Bharati. More than 750 students from over 45 colleges and universities from all over the country participated in the national-level event, which has been happening for the last 23 years. This year's competition saw an intense competition among 46 teams, each pushing the boundaries of robotic design and functionality. After rounds of rigorous challenges, the Institute of Technology, Nirma University, Ahmedabad, Gujarat, emerged victorious, claiming the championship title.



## QS World University Rankings 2025: IIT Delhi Features Among Top 150 World Universities

IIT Delhi achieved an overall rank of 150, improving 47 places from last year's 197th rank. The Institute was placed among the top 100 world universities with respect to Employer Reputation and among the top 150 universities in parameters like Citations per Faculty and Academic Reputation. IIT Delhi was also featured among the top 5 Indian institutions under multiple QS Rankings parameters such as Academic Reputation, Employer Reputation, Employment Outcomes, and International Research Network. IIT Delhi surpassed 90% of institutions in terms of rankings this year from a list of over 5000 institutes evaluated by the QS.

## IIT Delhi to Organise Joint Admission Test for Masters (JAM) 2025

IIT Delhi will organise the Joint Admission Test for Masters (JAM) in 2025. The JAM 2025 examination will be conducted for admission to M.Sc., M.Sc. (Tech), MS (Research), M.Sc.-M.Tech. dual degree, M.Sc.- Ph.D. Dual Degree and Joint M.Sc.- PhD programs in 21 IITs and 31 result-sharing institutes such as IISc, IISER, IIPR, and CCMN. The JAM-2025 will be conducted in seven science subjects, i.e., Physics, Chemistry, Geology, Mathematics, Biotechnology, Economics, and Mathematical Statistics, to admit over 5,300 students to 89 different courses.



## Edit-a-Thon Organised at IIT Delhi with an Aim to Address Gender Disparity on Wikipedia

According to a thought-provoking article published in Nature, currently, only about 19% of the English-language Wikipedia's 1.5 million biographies feature women. In line with these insights, the Initiative for Gender Equity and Sensitisation (IGES) at IIT Delhi, in collaboration with the Institute's office of Academic Outreach and New Initiatives (ONI), organized "Wikipedia Edit-a-Thon" on July 5, 2024. Students from various schools in Delhi, including girl students who were part of the STEM Mentorship Programme organized by IIT Delhi; school students from Abu Dhabi, UAE; and students from Kendriya Vidyalaya, JNU, New Delhi, actively participated in content creation during the Edit-a-Thon.

## IIT Delhi Celebrates 78th Independence Day



# NEWS UPDATES

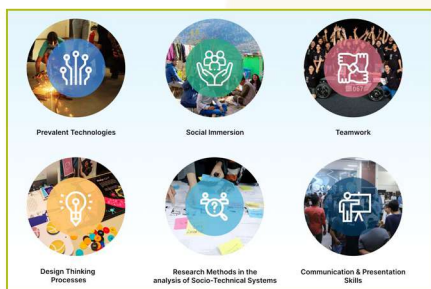


## **NIRF Rankings 2024: IIT Delhi Ranks 2nd in India in Engineering Category**

The NIRF Rankings 2024, announced by the Ministry of Education, Government of India, ranked Indian Institute of Technology Delhi (IIT Delhi) as the second-best institute in the country in the Engineering category. IIT Delhi is among the top three institutes in the Research category, securing the third position. IIT Delhi ranks fourth among the country's top five Management institutes. In the overall category, IIT Delhi has featured among the top five institutes, bagging the 4th position.

## **IIT Delhi Develops Two Pioneering Healthcare Technologies; Successfully Transfers them to Industry**

Two indigenous healthcare technologies developed under the Nanoelectronics Network for Research and Applications (NNetRA) project supported by the Ministry of Electronics and Information Technology (MeitY) were transferred to industry in July 2024. Technology named "Photonic Chip-based Spectrometric Biosensor" for pathogen detection has been transferred to UNINO Healthcare Private Limited, Mumbai, India. Another technology named "DNA Aptamer for Prostate Cancer Detection" has been transferred to HUMMSA Biotech Pvt. Ltd., Kolkata, India.



## **IIT Delhi to Offer a New Academic Programme 'B. Tech in Design'**

The Department of Design at IIT Delhi will offer a new four-year undergraduate programme 'B.Tech. in Design' from the academic year 2025–26. Admission to this UG programme will be based on JEE (Advanced) rankings. However, aspirants will also have to qualify in the design aptitude test, UCEED (Undergraduate Common Entrance Examination for Design). Students pursuing the B.Tech. in Design will learn about prevalent technologies, systematic design thinking processes, research methods for analyzing socio-technical systems, communication and presentation skills, and teamwork.

## **IHFC (TIH of IIT Delhi), and AIIMS' SET Facility Partner to Advance Medical Innovation with "Medical Robotics Centre" in New Delhi**

Under the MoU, the Medical Robotics Centre (MCC), in collaboration with AIIMS, will focus on carrying out various activities jointly, for doctors, nurses and students. The activities include simulation-based training, hands-on experiences with simulators, specialized medical workshops, and involvement in research projects and the development of MedTech products. IHFC will support the academic mentorship and funding opportunities.



## **Green Tech Accelerator 2024 - an initiative to empower growth-stage startups**

Launched under the Cluster Intervention Program of Small Industries Development Bank of India (SIDBI) in partnership with ReNew and FITT at IIT Delhi, the Green Tech Accelerator Program successfully concluded. The initiative nurtured 25 growth-stage GreenTech startups by providing them with comprehensive support to scale their sustainable solutions. The selected startups benefited from physical and hybrid workshops, one-on-one mentorship with industry and academic experts, product development training, technical and business guidance, access to high-end lab facilities, go-to-market strategies, corporate connections, legal and IPR support, and angel and VC connections.

## **Awareness Session on Cyber Crimes for First Year Students Organised**

In July, during the orientation of new students, IIT Delhi and Delhi Police co-organized a session for the first-year students to make them aware of the potential cyber frauds and cybercrimes. A senior Delhi Police official briefed the students about potential cyber threats and how to avoid becoming a victim. The Delhi Police also distributed an informative booklet among the students to help them understand the scammers' modus operandi and how to protect against such attempts.

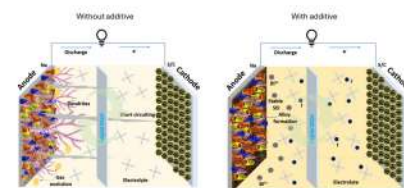


# RESEARCH & INNOVATION

## Researchers Potential Solution to Regulate Dendrite Growth in Room-Temperature Sodium-Sulfur Batteries

Researchers at the Department of Energy Science and Engineering (DESE), IIT Delhi, working to address the dendrite-related issue, have managed to stabilize room-temperature sodium-sulfur battery technology by employing an iodide-based additive in the organic electrolyte solution. They employed Bismuth iodide (BiI<sub>3</sub>) as an additive molecule to alter the properties of the electrolyte. BiI<sub>3</sub> reduces the energy required for sodium ions to leave the solvent and enter the electrode, improving the charge transfer kinetics. This results in better battery efficiency and faster charging times. Moreover, the presence of BiI<sub>3</sub> contributes to the formation of a Na<sub>3</sub>Bi alloy interphase and stable solid electrolyte interphase (SEI) on the sodium metal anode. This layer is crucial as it prevents the growth of sodium dendrites, which can cause short circuits and degrade the battery's performance over time. The test-cell prototypes have demonstrated surviving at least 250 charge-discharge cycles while maintaining a much larger capacity than lithium-ion batteries of the same weight.

(Read more: [https://home.iitd.ac.in/show.php?id=61&in\\_sections=Research](https://home.iitd.ac.in/show.php?id=61&in_sections=Research))



## First-Ever Brain Imaging Study on Yoga Nidra Finds Significant Changes in the Brain's Functional Connectivity during the Practice

In a ground-breaking collaborative effort, researchers from IIT Delhi, AIIMS Delhi, and Mahajan Imaging Delhi, conducted the first functional MRI (fMRI) study exploring the neural mechanisms underlying Yoga Nidra. The study shows how Yoga Nidra practice brings deep relaxation and increased awareness. It also shows that more significant brain changes occur during Yoga Nidra practice in individuals with greater experience in yoga/meditation. The study, titled "Functional connectivity changes in meditators and novices during Yoga Nidra practice" and published in prestigious international journal Scientific Reports, found that the Default Mode Network, a group of interconnected brain regions that are active when we are not focused on the outside world, behaves differently (less connected) in experienced meditators compared to novices.

(Read more: [https://home.iitd.ac.in/show.php?id=56&in\\_sections=Research](https://home.iitd.ac.in/show.php?id=56&in_sections=Research))



## Peptide Catalyzes New Molecular Synthesis with Unprecedented Precision and Selectivity: Study

Inspired by the nature's small molecule synthesis prowess and with a goal to develop a green sustainable synthetic route towards medicinally important small molecules, scientists at IIT Delhi have manipulated commonly available amino acids to design an organic catalyst for achieving a variety of chiral small molecules without use of toxic, unnatural metal catalysts. The organocatalysts developed from amino acid t-Leucine, can carry out reactions that can yield elusive chiral fulvenes in a single step. The researchers were inspired by enzymes especially, the dipeptides, which are known to facilitate chemical process with ease in the absence of metal ions. Since catalysis frequently uses transition metals, which are conductive metals such as titanium, iron, nickel, silver, copper, palladium, and gold, they are often considered quite toxic to the environment and search for greener methods is an ever-challenging problem.

(Read more at: [https://home.iitd.ac.in/show.php?id=59&in\\_sections=Research](https://home.iitd.ac.in/show.php?id=59&in_sections=Research))



## NCAHT at IIT Delhi Launches Assistive Technology Products for Visually Challenged

The ICMR (Indian Council of Medical Research)-supported National Center for Assistive Health Technologies (NCAHT) at IIT Delhi launched various assistive technology products for visually challenged people in June. The products include Shapescapes (a geometry learning kit), high-quality White Canes, and an Accessible Kit for STEM Education. The NCAHT also announced that large-scale user trials of SmartCane Version 2 and Refreshable Braille Display have begun. These innovations, co-created with Saksham Trust, New Delhi, will empower visually challenged people in their independent mobility and education.

(Read more: [https://home.iitd.ac.in/show.php?id=57&in\\_sections=Research](https://home.iitd.ac.in/show.php?id=57&in_sections=Research))



# INDUSTRIAL RESEARCH AND DEVELOPMENT

## Sponsored Projects & Consultancy Jobs Undertaken Through IRD Unit

(April - June 2024)

- 75 Sponsored Research Projects with a total sanctioned value of ₹ 58.25 crores
- 10 Miscellaneous Projects with a total sanctioned value of ₹ 1.39 crores
- 95 Consultancy Jobs with a total sanctioned value of ₹ 9.69 crores

### High Value Sponsored Projects (with sanctioned value Rs. 1.00 Cr. and above)

Title	Sponsoring Agency	PI/Department	Sanctioned Funds (Rs. Crores)
Sustainable Ayush For Advanced technological solutions, startup support and net zero sustainable solutions for Rasashastra (Centre of Excellence in SUSTAINABLE	Central Council For Research In Ayurvedic Sciences, Ministry of Ayush, India	Prof. Sumer Singh Dept. of Design	7.82
Indian Knowledge Systems (IKS) Programme	Shri Ram Gupta (Alumnus, IIT Delhi) United States	Prof. Nomesb Bolia Dept. of Mechanical Engineering	4.88
Pre-compliance and Clinical Validation of Implantable and Diagnostic Devices (Otorhinolaryngology, Ophthalmics and Orthopedics)	Indian Council of Medical Research(ICMR) India	Prof. Dinesh Kalyanasundaram Centre for Biomedical Engineering	4.86
DST Centre of Excellence in Climate Modeling (Phase - II) at IIT Delhi: From Climate Modeling To Climate Information	Department of Science & Technology(DST) India	Prof. S K Mishra Centre for Atmospheric Sciences	4.21
A Unified IOT Architecture and Development Framework for 5G/6G Applications.	Ministry of Electronics and Information Technology India	Prof.Monika Aggarwal Centre for Applied Research in Electronics	3.50
Electroconductive Fabric for Health and Safety	National Technical Textiles Mission, Ministry of Textiles India	Prof. Dipayan Das Dept. of Textile & Fibre Engineering	3.36
Advanced centre for clinical evaluation of Diagnostics of National Importance (Centre of Excellence)	Indian Council of Medical Research (ICMR) India	Prof. Ravi Krishnan Elangovan Dept. of Biochemical Engineering & Biotechnology	1.46
Design and Development of Multi-Node Underwater Acoustic based Sensors Network System for Marine environment Sensing (Phase-1)	THDC India Limited, India	Prof. Sudipto Mukherjee, Mechanical Engineering	3.64
Ramanujan Fellowship awarded to Dr. Anand S. Bharadwaj	Anusandhan National Research Foundation, Science and Engineering Research Board, India	Prof. B Premachandran Dept. of Mechanical Engineering	1.19
Development of a SERS based portable device for detection of urinary and salivary cotinine to monitor the compliance towards tobacco abstinence	Department of Biotechnology India	Prof. Satish Kumar Dubey Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering	1.03
Framework to deploy UAV-based monitoring system for civil infrastructure projects using deep learning models (SPARC CELL)	Scheme for Promotion of Academic and Research Collaboration (SPARC), Ministry of Education India	Prof. Sahil Garg Dept. of Civil Engineering	1.14
Centre of Excellence in AI for Healthcare (Phase 1)	AIIMS India	Prof. Chetan Arora Yardi School of Artificial Intelligence	1.00
Cavity Embedded GaAs Quantum Dots as Single Photon Emitters for 700-780 nm Wavelength (Under STARS Scheme MHRD)	Ministry of Human Resource Development India	Prof. Santanu Manna Dept. of Electrical Engineering	1.00
Development of Spunlace Natural Fibre based fabrics for Technical Textile Applications	National Technical Textiles Mission, Ministry of Textiles India	Prof. Prithviraj Mukhopadhyay Dept. of Mechanical Engineering	1.00

# INDUSTRIAL RESEARCH AND DEVELOPMENT

## High-Value Consultancy Jobs (with sanctioned value Rs. 0.25 Cr. and above)

Title	Sponsoring Agency	PI/Department	Sanctioned Funds (Rs. In Lakhs)
BhuPRAHARI: A Monitoring System for Mahatma Gandhi NREGA Assets using ground and space-based Geospatial Technologies and Artificial Intelligence	Ministry of Rural Development India	Prof. Manabendra Saharia Dept. of Civil Engineering	160.00
Technical Advice/ Review/ Vetting of Estimated Cost for the Roads and Drains in Different Industrial Areas of Ghaziabad District under UPSIDA	U.P. State Industrial Development Authority_Ghaziabad, India	Prof. Neeraj Kumar Jha Dept. of Civil Engineering	76.87
Technical and Financial Vetting/Review of Construction of Flatted Factory in Sector- 28 YEIDA And Development Work of 7% Abadi Plots of Village- Dhanauri (Road, Drain & Sewer) in YEIDA.	Yamuna Expressway Industrial Development Authority, Noida, India	Prof. Neeraj Kumar Jha Dept. of Civil Engineering	57.93
Consultancy Work on Indoor Small Cells for Corning India Private Limited	Corning India Private Limited India	Prof. Gourab Ghatak Dept. of Electrical Engineering	49.14
Development of Primary Antioxidants for Poly Olefins Production	HPCL-Mittal Energy Limited, Noida India	Prof. Josemon Jacob Dept. of Material Science & Engineering	38.44
Advice on Condition of Structures at Solar Power Plant at Bhadla, Rajasthan	Clean Solar Power (Bhadla) Private Limited India	Prof. Shashank Bishnoi Dept. of Civil Engineering	27.00
Technical Assessments and Independent Design of the Ground Improvement Works Using Stone Columns for Green PVC Project in Mundra, Gujarat	ITD Cementation India Limited India	Prof. Bappaditya Manna Dept. of Civil Engineering	25.00

## Multi-Institutional Faculty Interdisciplinary Research Projects (MFIRP)



### IIT Delhi - Hebrew University of Jerusalem Israel (HUJI)

Four joint projects in the research areas, namely: Quantifying past water availability across NW India, Neural mechanism of failing to trigger inhibition of movements, Semiconducting Transition Metal Dichalcogenide, Fabrication of Bio-Active Patent-Specific Maxillofacial Implants.



### IIT Delhi - Delft University of Technology (TU-Delft)

Five joint projects are supported in the research areas of Insights into Metal Halide Perovskites, Research on Electric Vehicle Transition, Study on Bioresorbable Stent, Climate Adaptation Digital Twin, and Design Education.



### IIT Delhi – Sorbonne University Joint Research

Five joint projects in the research areas of Anti-cancer agents against breast cancer cells, GenBrainEurAsia, 3D-CARTIBONE, Securing electronic health records and Molecular drivers in Atrial Fibrillation (AF) have been approved for support as per the suggestion of the expert team.



### IIT Delhi - University of Exeter

Joint project proposals invited in the broad thematic areas of Sport Science, Rehabilitation, and Elite Performance, Climate Science, Environmental Data, and Clean Energy, Operations Research, AI, and Automation

## Workshop

### IIT Delhi - National Yang Ming Chiao Tung University (NYCU) Research Connect Workshop

IITD-NYCU Research Connect workshop was conducted on 26th April 2024 between the faculty members of Mechanical Engineering, BioMechanics, Materials, Automobile, Nano-devices, and Manufacturing to lay the foundation for this collaborative endeavour, providing a unique opportunity for potential joint supervisors from both Institutions. This workshop served as a platform to forge connections and engage in meaningful discussions leading to the creation of strong supervisory teams that can provide comprehensive guidance and support to the Ph.D. candidates enrolled in the program.



## Review Meeting

### IRD Student Start-up Action and Discover and Learn 1-2-3-4 Projects Review

Twenty-two student projects of IRD Discover & Learn (1-2-3-4) and Student Start-up Action 2024 were reviewed on 3rd June 2024 in the form of poster and demo presentations. Enthusiastic students presented their research work in the areas of Quantum Technologies, Sensors, Smart Devices, Biocomposites, Autonomous Vehicles, Target Therapy, Renewable Energy, and Sustainable Technologies. The projects were reviewed by esteemed experts from the respective fields and feedback was shared with the students. The major students' achievements included the development of prototypes and publications.





# AWARDS & ACHIEVEMENTS



Prof. Bhim Singh  
Emeritus Professor,  
Electrical Engg., IIT Delhi  
Vigyan Shri Award in Engineering Sciences for his contribution towards the development of power electronics for renewable energy sources, including e-mobility.



Prof. Nidhi Jain  
Chemistry, IIT Delhi  
National Teachers' Award 2024 in HEI category



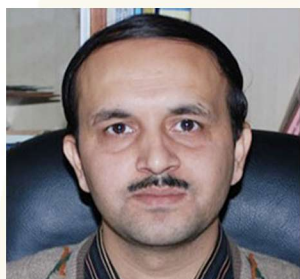
Prof. Vasant Malsagar  
Civil Engineering, IIT Delhi  
ACCE(I) Nagadi Award 2024



Prof. Ashwini Vaidya  
Humanities and Social Sciences,  
IIT Delhi  
Google Research Scholar Award 2024



Prof. Ashu Verma  
Energy Science and Engineering,  
IIT Delhi  
Power Fellowship from SERB, DST



Prof. Rajendra Singh, Physics,  
IIT Delhi  
Elected as APAM (Asia Pacific Academy of Materials) Academician



Prof. Neelu Singh  
Biomedical Engineering, IIT Delhi  
Selected as INSA Young Associates 2024.



Prof. Bahni Ray  
Mechanical Engineering, IIT Delhi  
Selected as INSA Young Associates 2024



Prof. Anil Kumar Saroha  
Chemical Engineering, IIT Delhi  
Selected as Fellow of the Royal Society of Chemistry



Prof. Arpan Kumar Kar  
Management Studies, IIT Delhi  
Joined editorial board of Journal of Strategic Information System



Prof. Sovik Das  
Civil Engineering, IIT Delhi  
Appointed as the Associate Editor of Sustainable Chemistry for the Environment



Prof. Sampa Saha,  
Materials Science and Engineering,  
IIT Delhi  
Joined editorial advisory board for RSC applied polymers, a Royal Society Journal

# AWARDS & ACHIEVEMENTS

## Sansthan Awards 2023



Name	Designation & Department (Year 2023)	Award
Dr. Lily Khosa	Chief Medical Officer; Hospital	Lifetime Award
Mr. Raj Kumar Tejania	Technical Officer; Textile and Fibre Engg	Outstanding Employee Award
Mr. Rajender Khattar	Deputy Technical Officer; Textile and Fibre Engg	Sansthan Award
Mr. Roshan Lal	Junior Technical Officer; Central Workshop	Sansthan Award
Mr. Vishesh Kumar	Deputy Technical Officer; Chemical Department	Sansthan Award
Mr. Sumeet Kapoor	Deputy Technical Officer; Biochemical Engg. and Biotechnology	Sansthan Award
Mr. Vinay Sharma	Deputy Technical Officer; Physics Department	Sansthan Award
Mr. Jitendra Prasad	Deputy Technical Officer; Mechanical Department	Sansthan Award
Ms. Priyanka Kumari	Accounts and Audit Assistant; Accounts Section	Sansthan Award
Mr. Gajraj Singh	Junior Technical Officer; Material Science and Engg.	Sansthan Award
Ms. Kriti Kohli	Administrative Assistant; Establishment Section – I	Sansthan Award
Mr. Nitin Kapoor	Administrative Assistant; Stores and Purchase	Sansthan Award
Mr. Devendra Agrawal	Assistant (Caretaking); Hostel Organisation	Sansthan Award
Mr. Nitesh Kaushal	Administrative Assistant; Academics Section	Sansthan Award
Mr. Aman Singh Suryawanshi	Administrative Assistant; Registrar Office	Sansthan Award
Mr. Shashank Yadav	Accounts and Audit Assistant; Accounts Section	Sansthan Award
Mr. Pankaj Sansanwal	Technical Assistant; Mechanical Department	Sansthan Award
Mr. Durvesh Yadav	Administrative Assistant; Registrar Office	Sansthan Award
Mr. Sumit Dayal	Administrative Assistant; Students Affair Section	Sansthan Award
Mr. Gopal Prasad Gupta	Junior Accounts and Audit Officer; Accounts Section	Jubilee Staff Cash Award - Group B
Mr. Abhilash	Administrative Assistant; Establishment Section - II	Jubilee Staff Cash Award - Group C
Mr. Viveka Bikasha Sathpathy	Junior Technical Officer; Mechanical Department	Shri Ram Rishi Singh and Mrs. Malti Singh Memorial Staff Cash Award for Group B 'Technical' category
Mr. Deepak Verma	Technical Assistant; SeNSE	Shri Ram Rishi Singh and Mrs. Malti Singh Memorial Staff Cash Award for Group 'C & D' category

# ALUMNI RELATIONS

## DISTINGUISHED ALUMNI AWARDS 2024

(Presented at the 55<sup>th</sup> Convocation )

### DISTINGUISHED ALUMNI AWARD



Name of the Awardee Alumni	Batch
Prof. Arun Kumar, Emeritus Professor, RMIT	B.Tech. (Civil Engineering, 1968 Batch)
Prof. Chandra Venkataraman, Professor, IIT Bombay	B.Tech. (Chemical Engineering 1985)
Prof. Atul K Jain, Professor, UIUC	Ph.D. (Atmospheric Sciences. 1988)
Mr. Ajay Kaul, Sr. Director and Advisor- Everstone Capital	B.Tech. (Textile Technology 1986)
Mr. Ashutosh Garg, Founder, Eightfold AI	B.Tech. (Electrical Engineering, 1997)
Mr. Rajiv Khemani, Co-Founder & CEO, Auradine	B.Tech. (Computer Science and Engineering, 1988)

### GRADUATES OF LAST DECADE (GOLD) AWARD



Name of the Awardee Alumni	Batch
Dr. Aditya Grover, Assistant Professor, UCLA	B.Tech. (Computer Science and Engineering, 2015)
Dr. Chirag Jain, Assistant Professor, IISc, Bengaluru	B.Tech. (Computer Science and Engineering, 2014)
Mr. Vaibhav Khandelwal, Co-Founder and CTO, Shadowfax Technologies	B.Tech. (Electrical Engineering, 2014)
Ms. Surabhi Yadav, Founder, Sajhe Sapne	Dual Degree (Biochemical Engineering & Biotechnology, 2014)

# ALUMNI RELATIONS

## Reunions in 2024-25

A large number of reunions have been planned for FY 2024-25. Following batches have started registrations & planning already: 1966-69 (60th year Diamond Jubilee), 1975 (50th Year Golden Jubilee), 1982 (40th Year Ruby Reunion), 1984(40th Year Ruby Reunion), 1987 (35th Year Pearl Reunion), 1989 (35th Year Pearl Reunion), 1990 (35th Year Pearl Reunion), 1999 (Silver Jubilee), 2014 (10th year Crystal Reunion).

Details by batch: <https://alumni.iitd.ac.in/alumni-reunions>



## Alumni Networking Event in New York City

The IIT Delhi Alumni Relations Office hosted a successful networking event in New York City. The vibrant gathering welcomed 30-40 alumni providing them an excellent opportunity to network, reconnect, and share experiences. Attendees engaged in lively conversations, exchanged career insights, and explored potential collaborations.

## Open House with IIT Delhi Alumni at Abu Dhabi Campus

On May 22, 2024, IIT Delhi Abu Dhabi campus hosted an exclusive open house event for prospective students and citizens, informing about the new campus and forthcoming academic programmes (<https://abudhabi.iitd.ac.in/>). On this occasion, IIT Delhi alumni resident in UAE had the opportunity to connect with the Director and faculty members, gaining valuable insights into the campus' academic programs and research initiatives.



## IITD Alumni Relations & Endowment Annual Report released

The Office of Alumni Relations, IIT Delhi, proudly announced the release of the Annual Report for Alumni Relations & Endowment for FY 2023-24, showcasing achievements, events, and contributions. This comprehensive report reflects IIT Delhi alumni's impactful support and our continuous efforts to strengthen connections.

Report: <https://alumni.iitd.ac.in/IITDEF-AR-Annual-Report>

## Hyderabad Alumni Meet

A special rendezvous in Hyderabad was organized, creating a vibrant space for IIT Delhi alumni in the region to connect, network, and share experiences. This alumni-institute networking meet brought together graduates from different batches, all united by their ties to IIT Delhi.



## 'IITD Magic' Event Brings Bay Area Alumni Together

On May 30, 2024, the Bay Area IIT Delhi alumni community gathered for a special event, "IITD Magic! Connect & Celebrate with Bay Area IIT Delhi community." Highlight of the evening was an insightful fireside chat with prominent alumni discussing the unique factors that contribute to IIT Delhi's success in producing unicorn founders.

## Hostel Legacy Project

IIT Delhi is embarking on a significant initiative to address the critical accommodation shortage on campus by rebuilding five of its old boys' hostels: Aravali, Jwalamukhi, Karakoram, Kumaon, and Nilgiri. The project aims to expand and enhance the residential infrastructure, currently accommodating around 7,000 of the 12,000+ enrolled students. The Hostel Legacy Project is expected to inspire and unite alumni across generations, reflecting a significant shift from the current model by fostering a close partnership between alumni, the institute, and students. In a call to action, IIT Delhi is reaching out to its alumni community for support.



# ALUMNI RELATIONS



## Alumni Networking Event in Boston

IIT Delhi alumni based in and around Boston met for a mini reunion on June 15. Dr. Navjot Singh, (B.Tech. 1989, Chemical) played a key role in organizing this event. Prof. Sanjiva Prasad, CSE, and Prof Ramanan, Chemistry, represented the institute at this event.

## IIT Delhi Alumni as Civil Servants

Twelve IIT Delhi alumni who joined the IAS batch of 2022 visited the institute under the aegis of the IIT Delhi Alumni Association. Some senior IIT Delhi alumni who are currently bureaucrats too joined the event.



## Scholarships, Awards and Chairs

(April - June 2024)

### Scholarships

Scholarship	Donor	Objective
Anoop Garg Scholarship	Mr. Anoop Garg	To give an annual scholarship equal to half the tuition fee to 3rd year undergraduate students in the Textile Engineering B.Tech. degree program.
Jagdish Rai Jain Scholarship	Mr. Satyendra Kumar Jain	To give an annual scholarship equal to half the tuition fee to a undergraduate B.Tech./Dual degree program student.
Rakesh Kumar Aggarwal Scholarship	Mr. Rakesh Kumar Aggarwal	To give an annual scholarship to a first year B.Tech. student to support tuition fee and other charges
Shri Surendra Narayan Scholarship	Mr. Sanjiv Narayan	To give an annual scholarship equal to half the tuition fee to a second-year B.Tech. student of Electrical Engineering department.

### Awards

Award	Donor	Objective
Nikunj Agarwal Memorial Award	Mr. Sharad Agarwal	To give an award to a B.Tech. graduating student in the Mathematics and Computing
K K Malhotra & Late Gita Malhotra Award	Mr. Mukesh Sarin	To give an award to a third-year B.Tech. student from Textile Engineering department.
Aditi Bose Memorial Award	Mr. Amit K Bose	To give an award to an outgoing M.Sc student with the highest CGPA in either Economics or Cognitive Science.

### Chairs

Chair	Donor	Objective
Rajiv Khemani Chair in the School of Artificial Intelligence	Mr. Rajiv Khemani	To establish a Young Faculty Chair in the School of Artificial Intelligence.

# CORPORATE RELATIONS

❖ **LG Electronics Korea**, led by Senior VP Simon Chin, visited IIT Delhi to explore research in HVAC and electronics. The visit facilitated discussions on potential collaborations in energy efficiency, smart systems, and sustainable technologies.



❖ Visit by **Chubu Industrial Engineering Association**: The Chubu Industrial Engineering Association's visit to IIT Delhi, organized by Corporate Relations and Prof. Eri Ikeda, facilitated cross-cultural collaboration between Indian and Japanese industries. The event included talks on Japanese manufacturing practices



❖ **Tata 1mg** has partnered with IIT Delhi to design a model framework for supply chain optimization, led by Prof. Sayan Ranu from the Department of Computer Science and Engineering.

❖ **Volvo Group India** is collaborating with IIT Delhi to improve Li-ion battery performance and lifespan. This project will develop strategies to enhance battery health and optimize their use for second-life applications, promoting sustainability in automotive technology.

❖ **Indigo Aviation Day at IIT Delhi**: IndiGo Airlines visited IIT Delhi to discuss potential collaborations in areas like computer vision, generative AI, and network planning, aiming to drive advancements in the aviation industry through R&D.

❖ **YAMAHA Corporation** visited IIT Delhi to explore collaborative opportunities in audio technology and innovation. Discussions focused on potential joint research projects and academic-industry partnerships.

❖ **Botlabs Dynamics** has partnered with IIT Delhi on a research project led by Prof. Chetan Arora, focusing on the detection of civilian objects using drone technology.

# INTERNATIONAL CONNECT

## Foreign Dignitaries @ IIT Delhi

- Prof. Meenakshi Arora, Director Melbourne India Postgraduate Academy (MiPA) Faculty of Engineering and IT, Department of Infrastructure Engineering, visited IIT Delhi on April 1, 2024.
- Prof. Dr. Patrick Cramer, President of the Max-Planck Society, Germany visited on April 4, 2024.
- A Delegation from Georgia Institute of Technology, USA, led by Prof. Devesh Ranjan, School Chair of Mechanical Engineering, visited on April 8, 2024.
- Greek Academics, led by Dr E. Stylianidis, (Professor of Spatial Planning, Faculty of Engineering and Member of the Administration Council, University of Thessaloniki), visited on April 12, 2024.
- Mr. José Ramón Holguín Brito, Deputy Minister of Monitoring and Government Coordination of the Presidency of the Dominican Republic, visited IIT Delhi on Monday, April 22, 2024.
- A 7-member delegation from UiT Norway visited IIT Delhi on April 23, 2024.
- A 7-member delegation from Otto von Guericke University, Magdeburg visited on May 1, 2024.
- A 3-member delegation from École Polytechnique, France visited on May 14, 2024.
- A 3-member delegation from Michigan State University, Michigan visited on May 16, 2024.
- Professor Jouko Niinimäki, Rector of University of Oulu, Finland, visited IIT Delhi on June 7, 2024.

## Memorandum of Understanding (MoU) signed with:

- Sophia University, Japan

# CONTINUING EDUCATION PROGRAMME

The Continuing Education Programme (CEP), IIT Delhi, a statutory body for conducting certificate programmes and issuing certificates, administered the below activities in the quarter ending June 2024.

A. 27 Programmes (15 online CEP under eVIDYA@IITD initiative; 12 programme under BG-192) were notified.

B. 15 Programmes with 1,091 enrolled participants listed below are under academic delivery.

S.No	Programme Title (Department/ Centre/ School)	Sponsored/ Open Participation
1	Advanced Certification in Data Science and Decision Science (Management Studies) (Batch-3)	Open Participation (Online)
2	Advanced Certification Programme in Persuasive UX Strategy (Design) (Batch-1)	Open Participation (Online)
3	Artificial Intelligence and Machine Learning for Industry (ScAI) (Batch-2)	Open Participation (Online)
4	Certificate Programme in Data Analytics for Business Application P-1 (Management Studies) (Batch-1)	Open Participation (Online)
5	Data Science & Machine Learning (ScAI) (Batch-7) Open Participation (Online)	Open Participation (Online)
6	Executive Certificate Programme in Applied Data Science using Machine Learning & Artificial Intelligence (Maths) (Batch-1)	Open Participation (Online)
7	Executive Programme for Tech Product Management (Management Studies) (Batch-1)	Open Participation (Online)
8	Executive Programme in Digital Marketing (Management Studies) (Batch-7)	Open Participation (Online)
9	Executive Programme in Human Resource Management (Management Studies) (Batch-2)	Open Participation (Online)
10	Executive Programme in Robotics (Bio-Medical Engineering) (Batch-1)	Open Participation (Online)
11	Executive Programme in Healthcare for Industry 5.0 (Bio-Medical Engineering) (Batch-1)	Open Participation (Online)
12	Fundamentals of EVs and Charging Infrastructure (CART) (Batch-2)	Open Participation (Online)
13	Project Management (Management Studies) (Batch-8)	Open Participation (Online)
14	Quantum Computing and Machine Learning (Electrical) (Batch-4)	Open Participation (Online)
15	UI/UX Training on EV Design (Design)	Sponsored (Hero Moto Corp Ltd - CIT Jaipur)

C. 23 Programmes benefiting 1376 participants listed below were concluded.

S.No	Programme Title (Department/ Centre/ School)	Sponsored/ Open Participation
1	Advance Programme in Electric Vehicle (EV) Technology (Chemical) (Batch-5)	Open Participation (Online)
2	Advanced Certification in Data Science and Decision Science (Management Studies) (Batch-2)	Open Participation (Online)
3	Cloud Management (CSC) Sponsored (CRIS)	Sponsored (CRIS)
4	Course in Generative AI Techniques for CRIS Engineers (Electrical)	Sponsored (CRIS)
5	Design Thinking and Innovation (CRDT) (Batch-6)	Open Participation (Online)
6	Digital Marketing (Management Studies) (Batch-6)	Open Participation (Online)
7	Executive Management Programme in Advanced Strategic Management (Management Studies) (Batch-2)	Open Participation (Online)
8	Executive Management Programme for Supply Chain Leaders (Management Studies)	Open Participants (On-Campus)
9	Fundamentals of EVs and Charging Infrastructure (CART) (Batch-1)	Open Participation (Online)
10	Hands on Training on "Semiconductor for Device Technology: Fabrication and Characterization (NRF)	Open Participation (Online)
11	Machine Learning and Deep Learning (Electrical) (Batch-3)	Open Participation (Online)
12	Machine Learning in Python/TensorFlow from Scratch (Applied Mechanics)	Sponsored (CRIS)
13	Metal Additive Manufacturing: Fundamentals and Application (Mechanical) Sponsored (SERB)	Sponsored (SERB)
14	NAV-URJA NIRMAN: Building A Future in Renewable Energy for IOCL Employees (Phase-2) (DESE)	Sponsored (IOCL)
15	Network Security Essential (Computer Science Engineering)	Sponsored (CRIS)
16	Pragati (Management Development) (Management Studies)	Sponsored (Interaech Builders Pvt. Ltd.)
17	Professional Certificate Programme in FinTech (Management Studies) (Batch-2)	Open Participation (Online)
18	Project Management (Management Studies) (Batch-7)	Open Participation (Online)
19	Quantum Computing and Machine Learning (Electrical) (Batch-3)	Open Participation (Online)
20	Training Programme on Systems Engineering (Mechanical)	Sponsored (AIR HQ (VB) New Delhi)
21	Joint Diploma in VLFM (Mechanical) (Batch-6)	Sponsored (IIM Mumbai formally known as NITIE)
22	Workshop on Additive Manufacturing and Evaluation (Bio-Medical Engineering)	Open Participants (On-Campus)
23	Workshop on PCB Fabrication (Bio-Medical Engineering)	Open Participants (On-Campus)



### #IITDelhi on Social Media



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