



Quarterly

NEWSLETTER

August 2023 ISSUE



INDIAN INSTITUTE OF TECHNOLOGY DELHI

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NEWS & EVENTS

IIT Delhi's School of Public Policy Successfully Places its Inaugural Masters in Public Policy Batch

Among the 21 students of the first batch who received their degrees at the 54th Annual Convocation of the Institute on August 12, 2023, 19 participated in the placement process. Of these, 18 students received a total of 21 offers from diverse organizations and sectors. A total of 27 organizations participated in the placement for a total of 30 roles. Two students of the inaugural batch have chosen to pursue academic research, with one of them enrolled in a PhD program.



Workshop on MedTech and Healthcare Ecosystem for Upcoming IIT Delhi-Jhajjar Campus Organised

The workshop was inaugurated on August 14 by Dr. V.K. Paul, Member Health, NITI Aayog; Shri V. Srinivas, Secretary, DAR & PG, and Director General, NCGG; Dr. Upendra Kumar Singh, DG-Life Sciences, DRDO; Prof. M. Srinivas, Director, AIIMS, New Delhi; and Prof. Rangan Banerjee, Director, IIT Delhi. During the workshop, medical and healthcare industry experts held discussions on MedTech and Healthcare Ecosystem for the upcoming campus of IIT Delhi in Haryana's Jhajjar. On this occasion, IIT Delhi and AIIMS New Delhi renewed an existing MoU to continue the research and academic collaboration between both institutions.

DST Recognises IIT Delhi as "GATI Achiever" for its Unwavering Commitment and Efforts to Promote Gender Equity in STEM

The GATI pilot programme launched by the DST, in partnership with the British Council, aimed to nudge higher education and research institutions to ensure gender equality in STEM. Under the GATI programme, IIT Delhi conducted an extensive self-assessment, proposing meaningful action plans to address the gender gap and barriers women face in STEM. The Institute is implementing various initiatives, including the hiring and retention of women faculty at the department level, gender sensitisation workshops, and family-friendly policies. IIT Delhi is also creating accessible infrastructure to pave the way for a more diverse and equitable campus, going beyond the gender binary.



In pictures: IIT Delhi Celebrates 77th Independence Day with Patriotic Fervor and Zeal



PhD Scholar Anchal Sharma Presents Her Research Work before Indian PM and US First Lady at NSF

Anchal Sharma, a PhD scholar in the Department of Design at IIT Delhi, joined Indian Prime Minister Shri Narendra Modi and First Lady of the United States Ms. Jill Biden on stage and made a presentation on her research during their visit to the US National Science Foundation (NSF) on June 21. While sharing her feelings, Anchal Sharma said, "I feel honored to have had a chance to share my own story from IIT Delhi to MIT US as a Fulbright scholar and how this experience enhanced my research on tactile shape perception by the visually challenged. It also grew me as a researcher and innovator!"

NEWS & EVENTS

54th Convocation Held on August 12, 2023

At the 54th Annual Convocation ceremony organized in the iconic Dogra Hall of the Institute, 2357 students were awarded Degrees and Diplomas. Of the 2357 students, 585 were women.

Dr. Gagandeep Kang, an eminent virologist and Director, Enterics, Diagnostics, Genomics and Epidemiology-Global Health, Bill and Melinda Gates Foundation, USA, was the chief guest on this occasion. Dr. R. Chidambaram, Chairperson, Board of Governors, IIT Delhi, presided over the Convocation ceremony.



Mr. Archit Babuna, B.Tech. in Computer Science and Engineering, was awarded the President's Gold Medal; Mr. Aditya Vimal, B.Tech. in Civil Engineering, received the Director's Gold Medal. Dibya Jyoti Sarangi, M.Tech. in Applied Optics, was awarded the Dr. Shankar Dayal Sharma (Former President of India) Gold Medal.



At the Convocation ceremony, graduates of the first batch of M.Tech. in Electric Mobility, Interdisciplinary M. Tech. in Cyber Security, Masters in Public Policy, Master of Science in Research (MSR) in Materials Science and Engineering and Joint PhD programme with the University of Queensland, Australia, were awarded their degrees.

Degrees were also awarded to 15 international students from Finland, Sierra Leone, Russia, Bangladesh, Rwanda, Sudan, Nepal, Bhutan and Ethiopia.

NEWS & EVENTS

Alumni Awards 2023

At the 54th Convocation ceremony, the Institute honoured its esteemed alumni with the coveted Alumni Awards 2023 i.e. Distinguished Alumni Awards and Graduates of Last Decade (GOLD) Award.



Prof. Aarti Gupta, Professor, Princeton University
Distinguished Alumni Award
Batch- B.Tech. (Electrical Engineering, 1985)



Dr. Gurtej S Sandhu, Sr. Fellow & VP, Micron Technology
Distinguished Alumni Award
Batch- M.Tech. (Electrical Engineering, 1985)



Dr. Nalin Shinghal, CMD, BHEL
Distinguished Alumni Award
Batch- B.Tech. (Electrical Engineering, 1985)



Dr. Ananth Govind Rajan, Assistant Professor, IISc Bengaluru
Graduates of Last Decade (GOLD) Award
Batch- B.Tech. (Chemical Engineering, 2013)



Distinguished Alumni Award

S. No	Name of the Awardee	Details
1.	Prof. Ashutosh Sabharwal	Batch- B.Tech. (Electrical Engineering, 1993) Currently- Professor, Rich University, Houston, Texas
2.	Mr. Pawan Kumar Jain	Batch- B.Tech. (Chemical Engineering, 1972) Currently- Managing Director, INOX Air Products

Graduates of Last Decade (GOLD) Award

1.	Dr. Aayush Jain	Batch- B.Tech. (Electrical Engineering, 2013) Currently- Asst. Prof., Carnegie Mellon University Pittsburgh, USA
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INTERNATIONAL CONNECT



Executive Vice President of Venezuela Visits IIT Delhi

The Executive Vice President and Finance Minister of the Bolivarian Republic of Venezuela, H.E. Ms. Delcy Rodriguez, visited IIT Delhi on August 3, 2023. During her visit, she met with Prof. Rangan Banerjee, Director, IIT Delhi, and discussed the opportunities for collaboration between the Venezuelan government and its academic institutions and IIT Delhi. H.E. Ms. Delcy Rodriguez also interacted with the faculty members of the Centre for Biomedical Engineering (CBME) at IIT Delhi. The CBME faculty briefed her about the various research projects they are working on. She also visited the MedTech Product Development Acceleration Gateway of India (mPRAGATI) facility at the Institute's Research and Innovation Park.

MoU for IIT Delhi-Abu Dhabi Campus Signed

A tripartite MoU was signed between IIT Delhi, the Abu Dhabi Department of Education and Knowledge (ADEK), UAE, and the Ministry of Education, Government of India, on July 15, 2023, to set up IIT Delhi's international campus in Abu Dhabi. The MoU was signed in the august presence of the Hon'ble Prime Minister of India, Shri Narendra Modi, and His Excellency Sheikh Mohamed Bin Zayed Al Nahyan, President of the UAE. IIT Delhi-Abu Dhabi is envisioned to be a research-centric campus of the Institute, which will offer degrees at the undergraduate, postgraduate, and doctoral levels and will contribute to the research and academic eco-system of Abu Dhabi and the UAE.



Outreach Events for Abu Dhabi Students Held

IIT Delhi's Academic Outreach and New Initiatives office organised a three-week (July-August 2023) mathematics immersion program in Abu Dhabi, in which selected high school students participated. From July 18 to 20, a summer outreach program was organized in which around 100 Abu Dhabi students participated. A 10-day Future Changemakers Summer Bootcamp for Abu Dhabi students was conducted on the IIT Delhi campus in Hauz Khas, New Delhi, from July 10 to July 19. The visiting students were exposed to contemporary topics like climate change and sustainability, design thinking and modeling, artificial intelligence and its applications, and novel materials for engineering and healthcare. The students stayed on the Institute's residential campus and experienced campus life first-hand. They also enjoyed various off-campus activities and sightseeing, including a visit to the new Parliament building. IIT Delhi has planned a diverse range of multiple outreach events till the end of the year and beyond as part of its efforts to reach out into the education landscape of Abu Dhabi. Multiple training programs for various other stakeholders in and around Abu Dhabi have also been planned.

UAE's Economy Minister Visits IIT Delhi; Delivers Talk

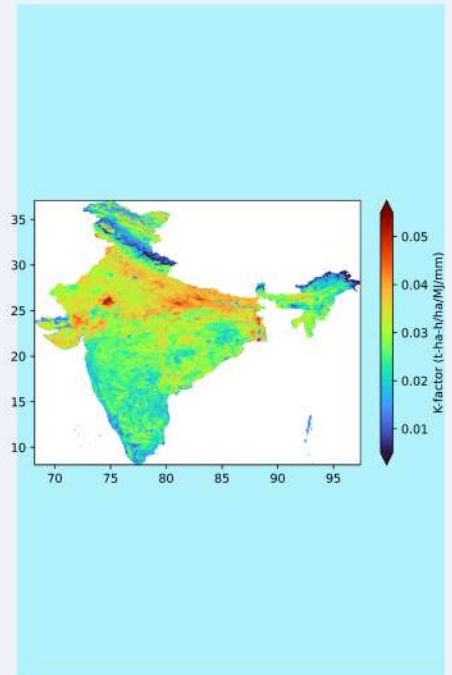
H.E. Abdulla bin Touq Al Marri, Minister of Economy, UAE, visited IIT Delhi on May 25, 2023, along with senior diplomats. During his visit, the Hon'ble Minister interacted with Prof. Rangan Banerjee, Director; Prof. Ambuj Sagar, Deputy Director (Strategy and Planning); Prof. James Gomes, Dean, International Relations; Prof. Shantanu Roy, Coordinator, IITD-Abu Dhabi and other senior functionaries of the Institute. H.E. Abdulla bin Touq Al Marri also delivered a talk titled "UAE: A Global Hub for Entrepreneurship and Innovation". The talk focused on emerging global trends such as geographical and economic fragmentation.



RESEARCH & INNOVATION

Researchers Develop First National-Scale Mapping of Soil Erodibility

The process of soil erosion starts when rainfall occurs on the soil or when water flow (runoff) displaces the soil particles. Soil erodibility is the susceptibility of soil particles from becoming detached and reflects the combined effect of rainfall, infiltration, and runoff. It is one of the major factors used to estimate soil loss and reflects the effect of soil structure, texture, permeability, and organic matter content in countering soil erosion. Till now, soil erodibility assessments have been conducted in specific regions or catchments, but a national-scale assessment of soil erodibility was required. Now, researchers at IIT Delhi have developed a national-scale mapping of soil erodibility, a first of its kind in the country. This national-scale mapping of soil erodibility highlights specific areas where the soil is most prone towards erosion. "This reflects the combine contribution to erosion due to rainfall, runoff, land use, land cover, deforestation, and agricultural practices. This study fills a critical gap and brings us one step closer to estimating soil loss at a national level and developing a soil erosion model", said Prof. Manabendra Saharia, Department of Civil Engineering, IIT Delhi.



https://home.iitd.ac.in/show.php?id=43&in_sections=Research

Researchers Develop a Simulation Tool for Planning Operational Response During a Health Crisis

A team of researchers, including Prof. Varun Ramamohan, Department of Mechanical Engineering, IIT Delhi; Dr. Karan Madan, Additional Professor of Pulmonology, Critical Care, and Sleep Medicine, AIIMS New Delhi; Prof. Navonil Mustafee, University of Exeter Business School, United Kingdom; and Mohd Shoaib, Research Scholar, IIT Delhi, developed a probabilistic discrete-event simulation of the operations of a public healthcare network in a north Indian district and demonstrated its use for planning the capacity of the network for a single wave of the COVID-19 pandemic. "The simulation outcomes indicated that the existing capacity of the public health network - in particular in terms of the number of general ward beds, ICU beds with supplemental oxygen, and ICUs with ventilator beds - needs to be enhanced to handle the wave and that a makeshift COVID-19 care centre would be required. However, interestingly, the capacity of the medical personnel - doctors and nurses - was found to be sufficient in terms of medical care provision (not considering administration and paperwork) during the simulated wave. The simulation tool was then used to estimate the capacity for the makeshift COVID-19 care centre so that patient wait time to receive appropriate care are reduced", Prof. Varun Ramamohan said.

Read more at: https://home.iitd.ac.in/show.php?id=183&in_sections=Press

AI/ML Model Developed by IIT Delhi-led Researcher Predicts 2023 to be a Normal Monsoon Year

Researchers at the DST Centre of Excellence in Climate Modeling at IIT Delhi, in collaboration with IIIT Delhi, MIT USA, and JAMSTEC Japan, have developed a state-of-the-art machine learning model for monsoon rainfall prediction. The model developed by the research team led by Prof. Saroj K. Mishra of IIT Delhi predicted an All India Summer Monsoon Rainfall (AISMR) of ~790mm in the current monsoon season, meaning a normal monsoon for the country in 2023. "This study holds immense significance for the entire country, as an accurate monsoon forecast well ahead of time is pivotal for making crucial decisions in various socioeconomic sectors, including agriculture, energy, water resources, disaster management, and health", said Prof. Saroj K. Mishra, PI, DST Centre of Excellence in Climate Modeling and professor at the Centre for Atmospheric Sciences, IIT Delhi.

Read more at: https://home.iitd.ac.in/show.php?id=177&in_sections=Press



RESEARCH & INNOVATION



Raised Lines Foundation Launches Tactile STEM Learning Kit for Visually Impaired Children on its 5th Anniversary

On its 5th Anniversary, Raised Lines Foundation (RLF), a non-profit start-up incubated at IIT Delhi, launched a 'Tactile STEM Learning Kit' for visually impaired children. The kit includes a GEOMKIT developed in partnership with Vistrit Gyan; a Mathematics Geometry Encyclopedia developed in partnership with XRCVC, Mumbai; a Science Primer developed in partnership with Saksham Trust; and JoJO blocks developed in partnership with Microsoft Research, Bengaluru, India. With this launch, perhaps for the first time, the visually impaired in India would have access to STEM learning material and kits on par with the best in the world, Prof. M. Balakrishnan, Chairman, RLF, said.

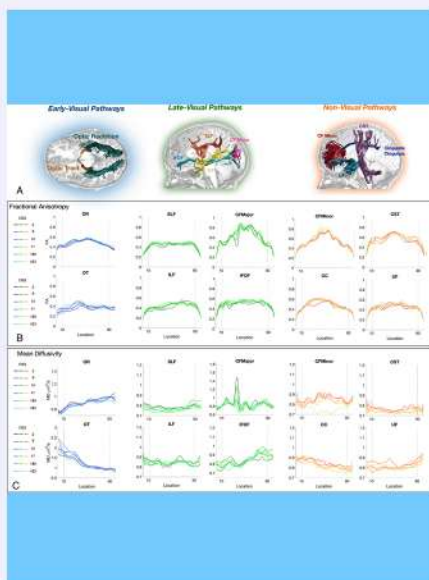
Read more at: https://home.iitd.ac.in/show.php?id=188&in_sections=Press

Mobile Robot "Robomuse 5.0" Capable of Carrying Payloads Up to 100 kg Developed

A mobile robot called "Robomuse 5.0", which would be suitable for various industries to carry payloads up to 100 kg and perform object manipulation by installing an arm on top of it, has been developed by researchers at IIT Delhi. This mobile robot is also a good research platform for various teaching and research organisations. A licensing agreement has been signed between IIT Delhi's Technology Innovation Hub, named IHFC, and a Pune-based company, SVR InfoTech, for the technology transfer of Robomuse 5.0. "Robomuse 5.0, with its ROS (Robot Operating System)-enabled features, has a modular mechanical design with a zero turning radius. As a result, autonomous navigation and control are very simple," Prof. S.K. Saha, Department of Mechanical Engineering, IIT Delhi, said. The mobile robot, Robomuse 5.0, can have multiple applications, including the transportation of heavy items on a factory shop floor. If a manipulator is fitted on its top, the mobile manipulator can perform pick-and-place operations, e.g., to dispose of a faulty item in a bin.



Read more at: https://home.iitd.ac.in/show.php?id=175&in_sections=Press



Evidence of Structural Brain Plasticity Observed Following Treatment to Congenital Blind Humans

The human visual system develops abnormally when visual input is absent or degraded during a critical period early in life. Restoration of the visual input later in life is generally thought to have limited benefit because the visual system will lack sufficient plasticity to adapt to and utilize the information from the eyes. Recent evidence, however, shows that congenitally blind adolescents can recover both low-level and higher-level visual function following surgery. Prof. Tapan K. Gandhi, Cadence Chair Professor of AI, Department of Electrical Engineering at IIT Delhi and his co-researchers studied congenitally blind patients (aged 7-17 Years) with dense bilateral cataracts, who received cataract surgery at different stages of adolescence. Their goal was to differentiate between age- and surgery-related changes in both behavioural performance and structural measures to identify neural correlates which might contribute to recovery of visual function.

Read more at: https://home.iitd.ac.in/show.php?id=173&in_sections=Press

INDUSTRIAL RESEARCH AND DEVELOPMENT

Sponsored Projects & Consultancy Jobs Undertaken Through IRD Unit (April-June 2023)

- 60 Sponsored Research Projects with total sanctioned value of Rs. 69.10 Crores.
- 84 Consultancy Jobs with a total sanctioned value of Rs. 10.10 Crores.

High Value Sponsored Projects (sanctioned value Rs 1.00 Cr and above) (April-June 2023)

Title	Sponsoring Agency	Sanctioned Funds (Rs. Crores)
Development of large area 152.4 mm x 152.4 mm ~23% efficient silicon heterojunction solar cells, and ~25% efficient tandem cells of 50 mm x 50 mm area	Department of Science & Technology	12.36
Wipro Center of Excellence on Generative Artificial Intelligence	Wipro Ltd.	11.80
GMR Centre of Excellence (CoE) for New Energy Technologies	GMR Power and Urban Infra Limited.	10.00
Integrated quantum light sources using LNOI	DRDO, Ministry of Defence	7.76
Centre of Excellence on Process Safety and Risk Management	Nayara Energy Limited	6.67
EdTech Tulna: Awareness, Engagement and Empowerment of Public and Institutions for Adoption of Education Technology Products	Central Square Foundation	1.77
Consortium for collective and engineered phenomena in topology concept	Department of Science Technology	1.05

High Value Consultancy Jobs (sanctioned value Rs. 0.50 Cr. and above) (April - June 2023)

Title	Sponsoring Agency	Sanctioned Funds (Rs. Crores)
Development of Composite Material Parts for Automotive and other Attractive Sectors along with Setting up R&D Cum Technology Centre for MAIL Applications	Munjal Auto Industries Limited India	2.00
Design of Vertical Wind Tunnel Configurations for Sky Diving	Aimtrex Technologies Private Limited	1.45
Structural Assessment (Proof Checking) and Evaluation of the Structural Analysis, Design, and Drawings for Proposed Construction of 184 Multi-Storeyed Flats for Honourable MPs at BKS Marg, New Delhi	Central Public Works Department	0.69
Construction of Pylon and Associated Works in Bharat Vandana Park - Quality Audit Pertaining to all Construction Activities for Pylons	NKG Infrastructure Limited	0.50

Multi-Faculty Interdisciplinary Research Projects (MFIRP)



Delft University of Technology (TUD)

Delft University of Technology (TUD) and IIT Delhi to jointly support five research projects in the area of Biofuel, Plastic Hotspots Identification, Wave Propagation Characteristics of Bone, Rockmass Deformational Behavior Characterization, and Optimization of Electric Vehicle Battery Pack Housing Manufacturing.

MEMORANDUM OF UNDERSTANDING



Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum

IIT Delhi and Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Trivandrum signed an MoU on 12th April 2023 for initiating collaborative research led by Prof. V Haridas, Department of Chemistry, focusing on the Development of Peptide Molecules for biomedical interest.

Centre of Excellence (CoE)



WIPRO LIMITED (Wipro), Bangalore

An MoU was signed between WIPRO LIMITED (Wipro), Bangalore and IIT Delhi in June 2023 for setting up a Centre of Excellence on Generative Artificial Intelligence (CoE-AI).

AWARDS & EXCELLENCE



Prof. Anil Verma
Chemical Engineering Dept.
Bestowed National Innovation Challenge
Winner Award 2023



Prof. Vamsi Krishna Komarala
Energy Science and Engineering Dept.
Received citation for "DST Challenge
Grant to Develop a
Champion Device - Large Area
Silicon Heterojunction
Solar Cells"



Prof. Tanmoy Chakraborty
Electrical Engineering Dept.
Received JM Morgan Faculty
Award under a Global
FRA Call



Prof. Priyanka Verma
Chemistry Dept.
Received Young Researcher
Award from the Plasmon Chemistry
Society in Japan during the 3rd Next
Generation Plasmon Chemistry
Challenge Symposium



Prof. Vasant Matsagar
Civil Engineering Dept.
Awarded 2023-2024
Fulbright Kalam Climate
Fellowship for Academic and
Professional Excellence



Prof. N.M. Anoop Krishnan
Civil Engineering Dept.
Received Google
Research Scholar
Award



Prof. Jayant Jain
Materials Science & Engineering
Included as one of the Editors for
Cogent Engineering (IF~1.9), a
journal of Taylor and Francis



Prof. Shib Shankar Banerjee
Materials Science and Engineering
Dept.
Invited to join the Editorial Board of the
Progress in Rubber, Plastics and
Recycling Technology (IF2.1) at SAGE
Publishing as an Associate Editor



Prof. Rahul Goyal
Energy Science and Engineering
Dept.
Nominated to the R&D
Council of NIWE
by MNRE



Prof. Virendra Kumar Vijay
CRDT
Nominated in the Academic Committee of
Military College of Electronics and
Mechanical Engineering, Secunderabad,
Ministry of Defence, GoI



Prof. Vivek V. Buwa
Chemical Engineering Dept.
Invited as a Member of the Editorial
Advisory Board of the American Chemical
Society's journal Industrial & Engineering
Chemistry Research

AWARDS & EXCELLENCE

Sansthan Awards 2022

On the Independence Day (August 15th, 2023), IIT Delhi honored its non-academic staff members with Lifetime Award, Outstanding Employee Award, Sansthan Award, and Shri Ram Rishi Singh & Smt. Malti Singh Memorial Staff Cash Award for their exemplary contribution and services to the Institute.



S. No.	Name	Awards
1	Ms. Kiran Dogra E – I	Lifetime Award
2	Mr. Subhash Chand Mechanical Engg.	Outstanding Employee Award
3	Mr. Prem Singh Rawat Electrical - I	Sansthan Award
4	Mr. Ajay Kumar Student Affairs	Sansthan Award
5	Ms. Kusum Sehwat Store Purchase Section	Sansthan Award
6	Dr. Rekha Sati Deoli Sports Unit	Sansthan Award
7	Mr. Dinesh Kumar Physics	Sansthan Award
8	Mr. Bharat Wadhwa Computer Services Centre	Sansthan Award
9	Mr. Kapil Verma Nilgiri Hostel	Sansthan Award
10	Mr. S.B. Prasad Vejendla Materials Science & Engg.	Sansthan Award
11	Mr. Ehteshamul Islam Materials Science & Engg	Sansthan Award
12	Mr. Puneet Tripathi Mathematics	Sansthan Award
13	Mr. Vineet Pandey Establishment – I	Sansthan Award
14	Ms. Payal Soni Ticket Reservation Cell	Sansthan Award
15	Mr. Mukesh Thakur Publication Cell	Sansthan Award
16	Mr. Joginder Singh RTI Cell	Sansthan Award
17	Mr. Raju Recruitment Cell	Sansthan Award
18	Mr. Prabhakar Biswal Central Workshop	Sansthan Award
19	Mr. Ashok Kumar Energy Science and Engg.	Sansthan Award
20	Mr. Veerender Sharma Textile & Fibre Engg.	Shri Ram Rishi Singh and Mrs. Malti Singh Memorial Staff Cash Award (Technical category)
21	Mr. Bhagya Wardhan Central Workshop	Shri Ram Rishi Singh and Mrs. Malti Singh Memorial Staff Cash Award (Non-Technical Category)
22	Mr. Manoj Singh Deputy Director(O)	Jointly awarded

ALUMNI RELATIONS

Raghu Hari Dalmia (B.Tech. Mechanical, '72) Institutes Two Awards

Mr. Raghu Hari Dalmia, a distinguished alumnus from the 1972 batch, has contributed significantly to the restricted and unrestricted endowment fund at IIT Delhi. Mr. Dalmia hails from one of the prominent business families in the country and leads several companies with diversified interests, including cement, industrial ceramics, and mechanical engineering.

He has instituted two awards for the students:

- Dalmia Award for Best Mechanical Engineer with Entrepreneurial Mindset- To encourage students of Mechanical Engineering to pursue an entrepreneurial career and develop leadership skills in addition to achieving academic excellence.
- Outstanding Nilgiri Hostel Student Award- For a UG student with qualities of leadership who has played a crucial role in the development of the country.



Dil se IIT Delhi - A Podcast Series Launched by Office of Alumni Relations and Endowment Office

The Office of Alumni Relations and the Endowment Office at IIT Delhi have started a podcast series called 'Dil se IIT Delhi'. The series aims to bring out inspiring stories of alumni, focusing on their time at IIT Delhi, their career, creating an impact at IIT Delhi as alumni and some lesser-known facts. The series will feature some eminent alumni from across batches and departments. Here's the link to the YouTube channel to watch the series- <https://bit.ly/3O4jxi1>

New Donations (April to June 23)

Donation	Donor Name	Area
Navin Chadha EE@IITD Innovation Fund	Mr. Navin Chaddha	To support innovation, research, teaching, outreach, and translational activities in the Department of Electrical Engineering, IIT Delhi.
Mrs. Vijayalakshmi Mr TKA Iyer Fellowship	Mr. Ananth Krishnan	To support the School of AI for various purposes as listed in the MoU including paying PhD fellowship, salaries etc.
Candruka New Faculty Fellowship	Mr. Umesh Kumar	Two new faculty fellowships of Rs 3 Lakhs for 2 years in CSE Department.

Chair	Donor Name	Area
Amit and Deepali Sinha Chair in Cyber Security in CSE	Mr. Amit and Mrs. Deepali Sinha	To promote excellence and leadership in teaching, research, and development in Cyber Security.
Amit and Deepali Sinha Chair in Quantum Information Science for EE Dept.	Mr Amit and Mrs. Deepali Sinha	To promote excellence and leadership in teaching, research, and development in Quantum Information Science.

Award	Donor Name	Objective
Karamvir Singh Bisht Best Outgoing Sportsman Award	Batch of 1981	This award will be given to a student with cumulative outstanding contribution in sports during the his/her stay at IIT Delhi.
Suman Gupta Scholarship	Mr. Rohit Gupta	To a 1st year UG student of Chemical Engg. with a JEE (Advanced) rank between 1000-2000 and a family income of Rs 10L or less and should not be recipient of Vidya Lakshmi Scheme.

CORPORATE RELATIONS

- ARUP, a British multinational professional services firm headquartered in London, United Kingdom, that provides design, engineering, architecture, planning, and advisory services across every aspect of the built environment represented by Ms. Florence Lam CEng FIET FCIBSE FSELL, Regional Board Member; Mr. Jim Johnson, Region Board Member; Ms. Ira Gupta, Advisory Services Lead and Mr. Akshat Loya, Product Design Engineer, visited IIT Delhi to discuss and understand research in the areas of EV infrastructure, battery storage and sustainable cities and interacted with faculty members of the Centre for Automotive Research and Tribology (CART), Department of Civil Engineering and Department of Energy Science and Engineering followed by the lab visit.
- The Employees' Provident Fund Organization (EPFO) has collaborated with IIT Delhi to foster innovation and enhance social security initiatives. EPFO, as a leading government organization responsible for managing social security schemes, has been diligently serving the needs of millions of employees across the country. Through joint research projects, knowledge exchange, and technology transfer, this collaboration will pave the way for innovative solutions and insights that can positively transform the landscape of social security in India.
- Donaldson, a renowned global leader in filtration solutions, inked an agreement to collaborate with IIT Delhi. This partnership brings together the expertise and innovation of two exceptional entities to drive meaningful advancements in research and development. This collaboration will provide a platform for knowledge exchange, enabling the exploration of new ideas, methodologies, and technologies in the field of filtration.
- Samsung Electronics has forged a collaborative partnership with IIT Delhi to spearhead an innovative research endeavor titled "Estimation of blood glucose level using PPG and ECG sensors on the Samsung watch".
- Translumina Therapeutics has entered into an MoU with IIT Delhi to undertake a research assignment titled "Everolimus and Probucol drugs eluting balloon catheters". The project has been endowed with significant funding, and it will be spearheaded by Prof. Neetu Singh, Centre for Biomedical Engineering, IIT Delhi.
- IIT Delhi has joined forces with CNH Industrial, a global leader in the industrial sector, to establish a dynamic and innovative collaboration. The partnership between IIT Delhi and CNH Industrial will focus on a range of areas including advanced manufacturing, sustainable technologies, automation, and digitalization.
- IIT Delhi has entered a collaborative partnership with MACPL to revolutionize the configuration design of the sugarcane bundling system. MACPL, a leading player in the agriculture and farm machinery industry, have joined forces to enhance the efficiency and effectiveness of sugarcane bundling processes. By leveraging state-of-the-art technologies, data-driven analysis, and engineering expertise, this collaboration seeks to redefine the bundling process and address critical challenges faced by the industry. Through joint research projects, prototype development, and field trials, the collaboration between IIT Delhi and MACPL will work towards creating a more efficient, sustainable, and economically viable bundling system for the sugarcane industry.



(Image: ARUP Delegation Visit to IIT Delhi)

- Israel Aero- space Industries (IAI) visited to explore areas of mutual interest and expertise. The discussions demonstrated a shared commitment to advancing technology, fostering innovation, and making a positive impact on society. The teams discussed research topics in the areas related to aerospace and defence.



(Image: Visit by Israel Aero- space Industries)



(Image: CII delegation visit)

A delegation comprising CII Karnataka CEOs of leading organizations visited IIT Delhi in May 2023. The team interacted with Prof. Ambuj Sagar, Deputy Director, Strategy and Planning and Prof. Rajendra Singh, Associated Dean, R&D and touched upon various aspects of collaboration with IIT Delhi.

CONTINUING EDUCATION PROGRAMME (CEP)

The Continuing Education Programme (CEP) at IIT Delhi, a statutory body for conducting Certificate Programmes and issuing certificates, has administered the below activities in the quarter ending June 2023.

A. 17 Programmes (12 online CEP under eVIDYA@IITD initiative, 02 sponsored programmes, 02 on-campus programmes and 01 e-ITEC) were notified in the quarter.

B. 14 Programmes with 1464 enrolled participants listed below in Table 1 are ongoing and are under academic delivery.

S.No	Programme Title (Department/School/Centre)	Sponsored/ Open Participation
1	Advanced Certification in Data Science and Decision Science (Management Studies)	Open Participation (Online)
2	AI and Machine Learning for Industry (School of AI)	Open Participation (Online)
3	Data Science and Machine Learning (School of AI) (Batch-V)	Open Participation (Online)
4	Design Thinking and Innovation (Rural Development and Technology) (Batch-IV)	Open Participation (Online)
5	Design Thinking for User Experience (Design) (Batch-II)	Open Participation (Online)
6	Digital Marketing (Management Studies) (Batch-V)	Open Participation (Online)
7	Executive Management Programme in Strategic Management (Management Studies)	Open Participation (Online)
8	Healthcare Entrepreneurship and Management (Biomedical Engineering)	Open Participation (Online)
9	LEAP- Cohort A (Management Studies)	Sponsored (NIIT Ltd)
10	LEAP- Cohort B (Management Studies)	Sponsored (NIIT Ltd)
11	Product Innovation & Design Thinking for Business Growth (Design)	Open Participation (Online)
12	Project Management (Management Studies) (Batch-V)	Open Participation (Online)
13	Project Management (Management Studies) (Batch-VI)	Open Participation (Online)
14	Quantum Computing and Machine Learning (Bharti School) (Batch-II)	Open Participation (Online)

C. 15 Programmes benefiting 809 participants listed below in Table 2 were concluded.

S.No	Programme Title (Department/School/Centre)	Sponsored/ Open Participation
1	Advanced Programme in Electric Vehicle (EV) Technology (Chemical) (Batch-III)	Open Participation (Online)
2	Design Thinking for User Experience (Design) (Batch-I)	Open Participation (Online)
3	Digital Marketing (Management Studies) (Batch-IV)	Open Participation (Online)
4	Feedforward: Online Meet-up with PhD aspirants in Design (Design)	Open Participation (On-Campus)
5	Finance for Non-Finance Executives (Management Studies) (Batch-V)	Open Participation (Online)
6	FinTech (Management Studies) (Batch-I)	Open Participation (Online)
7	IFLLP- 2nd Semester 2022-23_French (Humanities)	Open Participation (Online)
8	IFLLP- 2nd Semester 2022-23_German (Humanities)	Open Participation (Online)
9	IFLLP- 2nd Semester 2022-23_Hindi (Humanities)	Open Participation (Online)
10	Machine Learning and Deep Learning (Electrical) (Batch-I)	Open Participation (Online)
11	Management Imperatives for Educational Institutions (Management Studies)	Sponsored
12	Paper/Paperboard for Packaging of Liquid Items-Trends, Prospects and Way Forward (Rural Development and Technology)	Open Participation (On-Campus)
13	Physical Program for 6 slurry pipeline Engineers (Civil)	Sponsored (Arcelor Mittal Nippon Steel India Ltd. Gujarat)
14	Seminar on Safe Battery Energy Storage System (Chemical)	Sponsored (BIS)
15	Startup Boot Camp (Bharti School) (Batch-I)	Open Participation (Online)

D. Summer Faculty Research Programme (SFRF) 2023 was launched in January, inviting faculty fellows from various engineering and science institutes and colleges other than IIT Delhi to come and spend the summer (May-July) for pursuing research under the guidance of an IIT Delhi faculty mentor. 166 Fellows were selected under 84 Mentors in 24 Department/ Centre/ School.



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