INDIAN INSTITUTE OF TECHNOLOGY DELHI

Quarterly
NEWSLETTER
JANUARY 2023 ISSUE

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WORD FROM THE DIRECTOR

Dear friends and well-wishers of IIT Delhi,

I am happy to present the January 2023 issue of the institute newsletter to you.

This issue will give you glimpses of the fourth Industry Day, the Inter-IIT Sports Meet, Republic Day and Foundation Day celebrations, Research, Alumni Reunions, along with other activities.

Your comments and suggestions are welcome to make the next issue of the newsletter more interactive.

Warm regards,

Rangan Banerjee
Director, IIT Delhi

NEWS & EVENTS

IIT Delhi Celebrates Foundation Day

IIT Delhi celebrated its 65th Foundation Day on January 27, 2023. Prof. T.G. Sitharam, Chairman, AICTE, and former Director, IIT Guwahati, delivered the Foundation Day Institute Lecture titled "Transformation of Technical Education in the Era of Disruptive Innovation." To mark the occasion, the institute presented Faculty Research Awards 2022 to its faculty members.

Prof. P.C.P. Bhatt Basic Research Award
Prof. Santosh Kapuria, Dept. of Applied Mechanics, IIT Delhi

Prof. K.L. Chopra Applied Research Award
Prof. Anushree Malik, Centre for Rural Development and Technology, IIT Delhi
Prof. Sukumar Mishra, Dept. of Electrical Engineering, IIT Delhi
Prof. Sreedevi Upadhyayula, Dept. of Chemical Engineering, IIT Delhi

Mrs. Veena Arora Early Career Award
Prof. Sayan Ranu, Dept. of Computer Science and Engineering, IIT Delhi
Prof. Bhaskar Kanseri, Dept. of Physics, IIT Delhi
Prof. L. N. Ramasubramanian, Dept. of Material Science and Engineering, IIT Delhi

Placement Season 2022-23: IIT Delhi Students Receive Record Number of Job Offers

IIT Delhi students received over 1300 job offers, with over 1150 students being uniquely selected. 1300-plus job offers include more than 260 pre-placement offers. This is the highest-ever number of job offers received on campus up to December 15. Over 30 international offers were received by the students from around 15 international organisations offering over 20 job profiles across geographies spanning Hong Kong, Japan, the Netherlands, Singapore, South Korea, Taiwan, the United Kingdom, and the United States. Ten students have also opted for the deferred placement facility of the institute. The placement season, which started on December 1st, goes on up to the end of May 2023.

IIT Delhi and Finland's University of Helsinki (UH) Sign MoU for Academic Cooperation

Building on the MoU between the Consortium of Finnish Universities in Finland and the IITs in India, IIT Delhi and UH have agreed to establish a programme to collaborate in research, education, and planning, developing and testing new measurement technologies, and constructing and operating research infrastructure, particularly aiming to contribute to solving air quality and climate change challenges in India. Both institutes will exchange, on a reciprocal basis, faculty, and students for limited periods of time for the purpose of education and/or research, jointly supervise students and postdocs, and cooperate in planning, constructing, and operating research infrastructures, particularly the Atmospheric Observatory located on the IIT Delhi's Sonipat campus.

Four Startups led by IIT Delhi Students Win a Grant of Rs 50 lakh Each

Four IIT Delhi student-led startups namely Circle, Bag-It, Onpery and I-Stem have won a grant of Rs 50 lakhs each under the Endowment Nurture Fund initiative launched by the IIT- Delhi Endowment Management Foundation. Circle is a financial wellness product for organisations to provide daily salary & low-cost retirement to their employees. Bag-It is an on-demand platform for wholesalers that digitizes the jewellery supply chain for the benefit of retailers. Onpery (Care Form Labs Pvt. Ltd.) is a menstrual health startup. I-Stem provides digital content accessibility solutions, through which universities and enterprises are making their digital infrastructure accessible for persons with disability.

NHPC Sign MoA with IIT Delhi

The National Hydrogen Power Corporation (NHPC) has signed a Memorandum of Agreement with IIT Delhi to develop capabilities in various fields of science & technology including hydro, water resources, geology, earthquake, renewable energy

NEWS & EVENTS

Indian Navy Officers Graduate from IIT Delhi

PGDIIT 2021-22 batch comprising 16 officers of the Indian Navy and 01 officer of the Indian Coast Guard graduated from IIT Delhi with a PG Diploma (Naval Construction: Warship and Submarine Design) from the Naval Construction Wing (NCW) located at IIT Delhi. The NCW, a premier training center for Naval Architect Officers of the Indian Navy since 1977, and the Department of Applied Mechanics, IIT Delhi conduct the Post-Graduate Diploma of IIT Delhi (DIIT) course in Naval Construction. The Naval Officers are trained for various professional tasks required by the Navy for maintenance, modernization, design and construction of ships and submarines. It includes theoretical, analytical and design aspects of Naval Architecture.

CRDT Organises International Symposium Jointly with University of Eastern Finland

The two-day international symposium on 'Circular Economy Solutions for Plastics and Microplastics: Addressing the Grand Challenge' (CESP 2022), was organised on November 29-30, 2022, as part of the Finland-India research project CESMI (Circular Economy Solutions for Microplastics) funded by the Ministry of Education and Culture, Finland, and implemented through the FICORE (Finnish Indian Consortia for Research and Education) Network. The symposium was aimed at bringing together the technological, business, social, and policy perspectives from both India and Finland towards circular economy solutions for microplastics. The initiative involved participation from various research institutes, universities, private and government organizations. Finnish delegates enunciated the issues related to microplastic contamination in sediments, ocean, and inland water bodies such as freshwater lakes.

ITC Collaborates with CERCA

ITC has entered a collaboration with IIT Delhi think tank Arun Duggal Centre of Excellence for Research in Climate Change and Air Pollution (CERCA) to strengthen crop residue management programme in north India. Under the collaboration, they will work to develop a Geographic Information System (GIS) mapping tool that helps in tracking, monitoring, and identifying areas where stubble-burning is practiced and where it is not. The incorporation of the GIS tool in ITC's Crop Residue Management Programme will further strengthen it by providing an accurate mapping of stubble burning regions along with robust documentation of the impact of practices in the field.

IHFC Plans to Train Students From 100+ Schools in Delhi on Robotics in Next Two Months

The Technology Innovation Hub of IIT Delhi, IHFC, is the Knowledge Partner of the Delhi Robotics League (DRL) launched by the Delhi govt. IHFC will be instrumental in hand-holding and providing training in the subject of robot building via bootcamps to Delhi school students (grades 9 and 10) participating in the DRL. The bootcamps are being conducted by the IHFC and supported by its incubated startups, Rancho Labs and The Innovation Story.

NCUI Sign MoU with RuTAG

The National Cooperative Union of India (NCUI) has signed an MoU with the Rural Technology Action Group (RuTAG) at IIT Delhi to identify the technology needs of artisans and provide low-cost solutions for business growth.

Unnat Bharat Abhiyan

In line with Unnat Bharat Abhiyan (UBA) requirements, UGC has started two credit courses on "Community Engagement & Social Responsibilities" for UG and PG students and set up seven regional master training universities in the country. The AICTE has started a 100-hour "Rural Internship Programme" for B. Tech. Participating institutions are working on interventions like sustainable farming, water management, energy sources, livelihoods, and basic amenities through convergence. For example, mushroom cultivation is done by the IIT Delhi-adopted Gandikhata cluster. This product was selected under the "One Product, One Village" list. An IIT- Delhi coordinated webinar on "Understanding Various Modes of Tribal Development: Protecting their Indigenous Culture from External Influence" and a national webinar on "Lumpy Skin Disease: Scientific Approach to Combat the Menace" was conducted.
Watch: https://www.youtube.com/@UnnatBharatAbhiyan

NEWS & EVENTS

In Pictures: IIT Delhi Celebrates 74th Republic Day with Patriotic Fervour
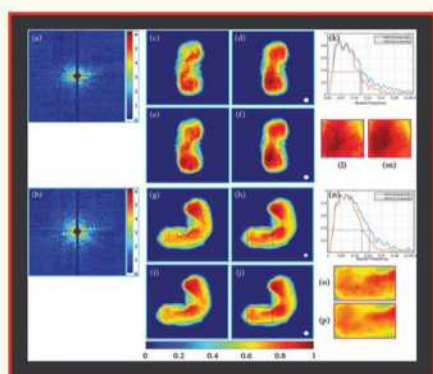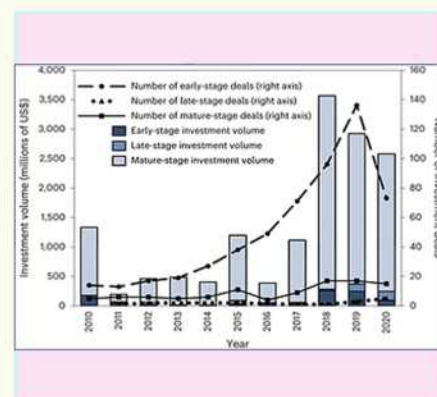
RESEARCH & INNOVATION

Study Shows How Public Policy Can Support Low-Carbon Energy Technology Startups

A recent study published in Nature Energy by researchers from IIT Delhi's School of Public Policy examined investment and patenting trends in low-carbon energy technology (LCET) startups, identified drivers and barriers to investment and innovation, and made recommendations for how public policy can help support startups in this space. The researchers have found that: (i) activity in India's LCET ecosystem is concentrated in the RE and mobility sub-sectors, (ii) investments go towards deployment-focused startups for RE and, in recent years, manufacturing and deployment-focused startups for electric two- and three-wheelers, and (iii) despite most investments going to RE startups, patenting is concentrated in e-mobility (in contrast to global trends where grid management and RE are more prominent).

Read more at: https://home.iitd.ac.in/show.php?id=33&in_sections=Research

IIT Delhi Researchers Use "Complexity" as a Guiding Tool to Make Phase Retrieval Easier for Coherent X-ray Imaging

An IIT Delhi research team comprising of Prof. Kedar Khare (Optics and Photonics Centre), Mansi Butola and Sunaina Rajora (Dept. of Physics) have developed a novel algorithm that they call as "Complexity-Guided Phase Retrieval (CGPR)". Their research work on this topic using real synchrotron data was recently published in Intelligent Computing. This technique provides more reliable solution to the phase retrieval problem starting with raw CDI data, which is usually corrupted by high degree of noise due to low photon counts and missing pixels.

Read more at: https://www.eurekalert.org/news-releases/971954

Researchers Develop Integrated Low-Cost Water Sensors for Real-Time River Water Quality Monitoring

A team of Indo-US researchers led by IIT Delhi's Prof. Arun Kumar, Civil Engineering Department, and Prof. Sandeep Jha, Centre for Biomedical Engineering, has developed integrated low-cost water sensors for real-time river water quality monitoring and decision-making. It yielded knowhow, hardware, software and prototypes for at least 10 different technologies reaching TRL 5+ and a few reaching TRL 6+ that have all branched out independently for different purposes. The project was funded by the DST, Government of India, and Intel under the Indo-US Science and Technology Forum.

Know more at: https://youtu.be/AheOvlPqOdA

Technology for Industrial Scale Production of Nanofibres Developed

Nanofibres, which are 1/1000th in diameter in comparison to a cotton fibre, is one such material that has found applications in making high efficiency industrial filters, automobile oil and fuel filters, scaffolds for tissue engineering, highly responsive electronic sensors, protective devices and many more. Electrospinning is the most popular technology for producing these nanofibres, where nanofibres are deposited on a subtrate for such applications. However, many challenges are faced during the deposition of nanofibres on substrates, which include continuous mass production of nanofibres over a wide width, high rates of deposition, uniform deposition, production of low diameter fibres, and adhesion etc. An IIT Delhi research team led by Prof. Ashwini Agrawal and Prof. Manjeet Jassal from the Textile and Fibre Engineering Department were able to solve all the above-mentioned challenges and develop a scalable prototype. The pilot machine developed at IIT Delhi has been validated in an industrial set-up for producing nanofibres at commercial scale. The technology has been granted patents in India, the UK and the USA.

Read more at: https://home.iitd.ac.in/show.php?id=34&in_sections=Research

CORPORATE RELATIONS

◆ Industry Day 2022

The 4th edition of IIT Delhi's flagship event Industry Day was organised by the Corporate Relations office on December 10, 2022. Mr. K Ananth Krishnan, Executive Vice President and Chief Technology Officer, Tata Consultancy Services, inaugurated the daylong event in the presence of Prof. Rangan Banerjee, Director, IIT Delhi; Prof. Sunil K Khare, Dean, Corporate Relations and Research and Development and other senior functionaries of the institute. Eminent luminaries from the field of Science and Technology, Industry leaders graced the event, which revolved around four thematic agenda:

- Healthcare Technologies
- Electric Vehicle Research
- Communication Technologies
- Sustainable Energy, Environment and Climate Change

Key Highlights:
- 80 cutting edge technologies developed by IIT Delhi were demonstrated on Industry Day.
- Over 150+ industry relevant posters showcased.
- Footfall: 450+ industry participants, 200 faculty and staff, more than 700 students, 21 elite speakers from industry.
- 18 companies sponsored the event.

Industry Day Witnessed Discussions and Deliberations by Several Illustrious Speakers: -
- Mr. Rizwan Koita (Co-founder, CitiusTech & Koita Foundation)
- Dr. Ambuj Chaturvedi (Board of Directors, IKP Knowledge park)
- Dr. Rishi Bhatnagar (President, Aeris Communications India Private)
- Ms. Shikha Srivastava (Director and Member in Project Board, C-DOT
- Mr. Rajeev Chaba (President & Managing Director, MG Motor India Pvt. Ltd)
- Dr. Anshuman Awasthi (VP and Head for EV & Hybrids Development, Mercedes Benz)
- Mr. Adnan Bohori (R&D Head, Eaton Research Lab)
- Mr. Pawan Mehndiratta (Head, Technology & Manufacturing, Hydrogen business, L&T Green Energy)
- Mr. Arun Duggal (Founder, Arun Duggal CoE for Research in Climate Change and Air Pollution, IIT Delhi)
- Mr. Arvind Nautiyal (Joint Secretary, Ministry of Environment, Forest & Climate Change and Member Secretary, Commission for Air Quality Management in NCR and Adjoining Areas)
- Mr. Amrendra Kumar (Vice President - Recycling, Ramky)
- Mr. Sujay Karmakar (General Manager, NTPC)
- Mr. Soumendra Banerjee (Director - Technical Sales, Honeywell)
- Prof. Ligy Philip (Department of Civil Engineering, IIT Madras)
- Mr. Alok Sharma (Executive Director, Centre for High Technology, Ministry of Petroleum and Natural Gas)

◆ **Global Vectra Helicorp Limited** gave CSR funding towards its ongoing "GVHL Scholarship" to support B.Tech students.

◆ The Office of Corporate Relations along with FITT signed a Joint Development Agreement with **Sony India Software Center Private Limited** to jointly explore and expand the industrial applications of Sony's existing and future technology needs relating to Intelligent hydroponics using Spresense.

◆ **Kohler Co.**, one of America's oldest and largest privately held companies with nearly 35,000 associates and $7 billion in revenues, signed a Master Consultancy Agreement with Corporate Relations, IIT Delhi, for multiple projects.
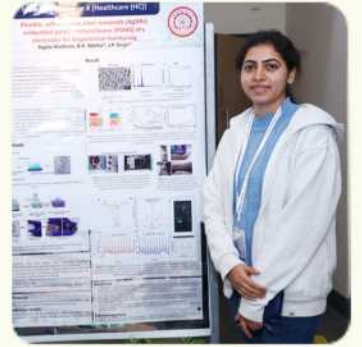
◆ **Samsung India Electronics Private Limited** signed an agreement with IIT Delhi on 15th November 2022 to leverage research capabilities. Through this collaboration the two entities will work closely on some of the areas of mutual interest like health and wearable devices, mobile audio and many more.

Photo: Samsung MoU Signing Ceremony

CORPORATE RELATIONS

In Pictures: 04th Industry Day

(For more information on Industry Day, please click: https://corprel.iitd.ac.in/id2022/)

INDUSTRIAL RESEARCH AND DEVELOPMENT

Sponsored Projects & Consultancy Jobs Undertaken Through Industrial Research and Development (IRD) Unit from October to December 2022

85 Sponsored Projects with total sanctioned value of Rs. 57.87 Crores
90 Consultancy Jobs with a total sanctioned value of Rs. 6.13 Crores

High Value Sponsored Projects Undertaken from October to December 2022
(Sanctioned Fund Value Rs. 0.50 Cr and Above)

Title	Sponsoring Agency	Sanctioned Funds (Rs in Crores)
Design and Development of Diffractive Optical Element as Spectral Beam Combiner for High Power Laser Application	DRDO, Ministry of Defence, Govt. of India	18.13
Photon Number Resolved Superconducting Single Photon Detectors (PNR-SNSPD)	DRDO, Ministry of Defence, Govt. of India	8.10
Development of Four-For-One-Twisting Machine	DHI, Govt. of India & M/s Weave Tech Engineers Limited	4.17
Off-Grid PV-VRFB-SC-based Electric Vehicle Charging Infrastructure	Department of Science and Technology (DST)	1.92
Development of Composite Cement with Slag and Fly Ash in India	ECOCEM Materials Limited France	1.16
Vesicle Templated Self-Replication Process Coupled ith Metabolic Reaction (Inspire Faculty Fellowship Awarded to Dr. Mousumi Samanta)	Department of Science and Technology (DST)	1.12
Understanding the Role of Micro RNA-mediated Regulation of Rab GTPases Expression and Modulation of Phagosome Maturation	Department of Biotechnology	1.12
Oxygen Releasing Bioenergetic Injectable Gel for Cartilage Regeneration	Indian Council of Medical Research	1.10
Source Apportionment and Emission Inventory for Amritsar City in Punjab	Punjab Pollution Control Board	1.00
Repair of High Value Al-alloys Using Cold Spray Technology	Aeronautics Research & Development Board	0.63
Abdul Kalam Technology Innovation National Fellowship Awarded to Prof. Amit Mehndiratta	Indian National Academy of Engineering (INAE)	0.57
Abdul Kalam Technology Innovation National Fellowship Awarded to Prof. Kedar Bhalchandra Khare	Indian National Academy of Engineering (INAE)	0.57
Research Proposal on Large-scale Temporal Graph Models	Mastercard AI Garage	0.56
Development and On-site Validation of Improved Technology (iSMAART) and Microbial Product for Effective Treatment of Textile Industry Effluent	Department of Biotechnology	0.53
Light Driven Regioselective Fluorination and Trifluoromethylation of Arenes and Heteroarenes	Science and Engineering Research Board (SERB)	0.51
Development of Machine Learning based Algorithms for EV Load Forecasting and Charging Infrastructure Requirement	Tata Power Company Ltd.	0.51
Demonstration of Biomass Pellet-based Clean Burners and Evaluation of Carbon Saving Potentials	Swami Samarth Electronics Pvt. Ltd.	0.50

INDUSTRIAL RESEARCH AND DEVELOPMENT

Multi Faculty Interdisciplinary Research Projects (MFIRP)

i) Regional Centre for Biotechnology

The second call for joint collaborative research proposals between the Regional Centre for Biotechnology (RCB) and IIT Delhi were invited from all fields, especially where a synergistic benefit (either basic/applied/translational) can be demonstrated by inter-institutional collaboration. This is to establish the "RCB-IITD Collaborative Platform" for initiating wide-ranging collaborations involving academics, research, products, processes, and human resource development, which will have profound social and economic impact for our country.

ii) National Yang Ming Chiao Tung University (NYCU), Taiwan

The second call for the joint research projects between NYCU and IIT Delhi was invited primarily in the areas of Semiconductors and secondarily in the areas of Medical Sciences & Technology, Civil Engineering, Nanomaterial for Biosensors and other research areas.

iii) University College of London, UK

The 4th call for joint collaborative research proposals between the University College Of London, UK and IITDelhi was invited in all fields and thematic areas including but not limited to the following areas: Artificial Intelligence and Machine Learning, Mechanics of Solids and Fluids, Alternative Energy Systems including clean energy, Quantum Technologies, Cyber Security, Semiconductor Technologies, Climate, Sustainable Technologies, Electronics & Signal Processing, Water, Global Health, including Healthcare Engineering, Waste Management, Humanities & Social Sciences, and Urban Regeneration & Development.

iV) University College of London, UK

Delft University of Technology (TUD) and IIT Delhi jointly conducted a workshop in the areas of Energy, Water, Environment, Policy, Machine Learning, and Biotechnology with an aim to bring together the faculty members of both institutes for sharing research interests for the joint MFIRP call and future research collaboration. TUD and IIT Delhi will jointly support four projects in the areas of Mi-robot for Lunar Exploration, Climate-policy models to include social equity, Biogas-SOFC system for decentralized green hydrogen and power production, and Design of water desalination and water purification unit.

Centre of Excellence (CoE)

GMR Power and Urban Infra Limited (Mumbai) and IIT Delhi signed an MoU on 21 December 2022 for establishing the GMR CoE on New Energy Technologies at IIT Delhi. The CoE will undertake research and academic activities for interdisciplinary research and innovation in the areas of new energy technologies.

Research Publications, Patent and Technology Transfer

From October to December 2022, nearly 1054 research papers published, forty-seven patents filed, and two technologies were transferred.

ALUMNI RELATIONS

Alumni Reunions Organised

The offices of Alumni Relations and Endowment Management Fund at IIT Delhi organised alumni reunions for the batches of 1971 (Mechanical Engineering), 1972, 1996, 1997, and the Textile Department over the last quarter. The reunions saw high enthusiasm and participation from alumni and their families, who came to the campus from different parts of the globe to attend them.

Certificates Distributed to Mittal Renaissance Scholars

Fifteen meritorious IIT Delhi students selected as "Mittal Renaissance Scholars" got a scholarship of Rs 1.5 lakhs each through the endowment instituted by Mr. Saurabh Mittal (B.Tech. EE, 1995), who is also one of the founders of the IIT Delhi Endowment Fund.Mr. Mittal and his family came to the campus to meet all the scholars and distributed the certificates..

ALUMNI RELATIONS

Amit and Deepali Sinha Fellowship Certificates Distributed

IIT Delhi alumnus Dr. Amit Sinha (B.Tech. EE, 1998) has endowed five full-ride fellowships as a part of the Amit & Deepali Sinha Foundation Fellowship. Dr. Sinha visited the IIT Delhi campus to felicitate all the selected students. He is also one of the founders of the IIT Delhi Endowment Fund.

Binny Bansal Kickstarts Proceedings for IIT Delhi Endowment Nurture Fund

The Endowment Nurture Fund launched by IIT Delhi aims to nurture budding entrepreneurs with upcoming startup ideas with the support of our alumni. Mr. Binny Bansal, an IIT Delhi alumnus and an entrepreneur, kicked off the Endowment Nurture Fund proceedings by being a part of a fireside chat. The fireside chat was well received by the student community as they got to know more about the world of entrepreneurship and the challenges that come along with it.

Corporate Endowed PFS Chair Established

IIT Delhi and PTC India Financial Services Limited (PFS) signed a 10-year agreement to establish "PFS Chair" at IIT Delhi. The PFS Chair will promote excellence and leadership in teaching, research and development in green economics, climate finance, and financing of renewable energy. This will also give students first-hand exposure to key industry trends.

New Scholarship and Award

Scholarship Title	Donor Name	Area
Jiwan Jain 63eb3 Scholarship	Mr. Jiwan Jain	The objective is to give an annual scholarship equal to half the tuition fee to a 1st year UG student of BTech/Dual degree programs of Electrical Engineering whose annual family income is less than Rs. 9 lakh.

Award Title	Donor Name	Area
TBO Tek Ltd. Travel Grant for UG students	TBO Tek Ltd.	To finance the travel cost of undergraduate students for attending various educational conferences/ seminars.

INTERNATIONAL PROGRAMMES

International Meetings with:

- A group of around 40 students from various countries under the Know India Programme (KIP) - 10th October 2022
- Dr. Heide Ahrens, General Secretary DFG from Germany - 20th October 20222
- A two-member delegation from Taiwan - 28th October 2022
- A 12-member delegation from Taiwan - 03rd November 2022
- Prof. Nick Jennings, Vice Chancellor of Loughborough, UK - 03rd November 2022
- Prof. Mung Chiang from Purdue University, USA - 04th November 2022
- A four-member delegation from University of Auckland - 14th November 2022
- An eight-member delegation from University of Bristol, UK - 18th November 2022
- A 13-member delegation from TU Dresden, Germany - 29th November 2022
- Prof. Lisa Roberts, Vice Chancellor of University of Exeter, England - 01st December 2022
- Prof. Ariel Porat, President of Tel Aviv University, Israel - 13th December 2022
- A three-member delegation from Republic of Kazakhstan - 22nd December 2022

Memorandum of Understanding (MoUs) Signed with:

- Purdue University, USA - 04th November 2022
- Tarbiat Modares University, Iran - 22nd November 2022
- K.N. Toosi University of Technology, Iran - 23rd November 2022
- Kharazmi University, Iran- 29th November 2022
- TU9 German Universities of Technology, Germany - 01st December 2022

Know India Programme (KIP) 10th Oct 22

Dr. Heide Ahrens,
General Secretary DFG 20th Oct 22

Taiwan delegation on 3rd Nov 22

Prof. Nick Jennings,
Vice Chancellor of Loughborough on 3rd Nov 22

Republic of Kazakhstan, on 22nd Dec 22

AWARDS & EXCELLENCE

Prof. Suddhasatwa Basu
Dept. of Chemical Engineering

Received Gold Medal from Society for Materials Chemistry in December 2022

Prof. Shantanu Roy
Dept. of Chemical Engineering, IIT Delhi

2022 WashU EECE Distinguished Alumnus Award

Prof. Abhilash Jindal
Dept. of Computer Science and Engineering, IIT Delhi

Received Google India Research Award 2022

Prof. R. Ayothiraman and Prof. Vasant Matsagar
Dept. of Civil Engineering, IIT Delhi

Received ISET V.H. Joshi Award 2017-2020 in the field of Soil Dynamics from the Indian Society of Earthquake Technology, Roorkee

Prof. Virendra K Vijay
Centre for Rural Development and Technology, IIT Delhi

Diamond Jubilee Award by the International Association of Advanced Materials, Sweden

Prof. Manabendra Saharia
Dept. of Civil Engineering and Associate Faculty, Yardi School of AI, IIT Delhi

Sir C.V. Raman Young Scientist Award 2023 by the International Society for Energy, Environment and Sustainability (ISEES)
Received NASI Platinum Jubilee Young Scientist Award 2022

Prof. Ashish Ganguli
Former Professor, Dept. of Energy Science and Engineering, IIT Delhi

Conferred with the "VEDAS Lifetime Achievement Award 2022" by the Vacuum Electronic Devices Applications Society, Bangalore in recognition of his work on sub-atmospheric and atmospheric radio-frequency and microwave plasma sources at the Plasma Lab, DESE.

Prof. K Sreenadh
Dept. of Mathematics

Elected as a Fellow of the Indian Academy of Sciences (IASc), Bengaluru

AWARDS & EXCELLENCE

Prof. Sagnik Dey
Centre for Atmospheric Sciences, IIT Delhi

Invited to join Heliyon (a Cell Press journal) as an Associate Editor and as an Editor for AGU journal GeoHealth for 3 years.

Prof. Shib Shankar Banerjee
Dept. of Materials Science and Engineering, IIT Delhi

To join editorial board of "Polymer-Plastics Technology and Materials" (IF 2.4) at Taylor and Francis. This is one of the best journals in the area of polymer science and technology.

Prof. Anil Verma
Dept. of Chemical Engineering, IIT Delhi

Selected as an honorary Editor-in-Chief of Indian Chemical Engineer (ICE), a Taylor & Francis journal. It is one of the oldest journals in India being published by the Indian Institute of Chemical Engineers (IIChE) since 1959.

Prof. A.K. Keshari
Dept. of Civil Engineering, IIT Delhi

Made member of: (i) Working Group by NITI Aayog for preparation of standards for defining and assessing Water Neutrality/Water Positivity in Indian industries (ii) Steering Committee on Blue Rating System being developed by Confederation of Indian Industries (CII)

Prof. Manju Mohan
Centre for Atmospheric Sciences, IIT Delhi

Elected as a fellow of the National Academy of Sciences, India (NASI), 2022

Prof. Harish Hirani
Dept. of Mechanical Engineering, IIT Delhi

Elected as a fellow of the American Society of Mechanical Engineers (ASME)

Prof. Yashpal Jogdand
Dept. of Humanities and Social Sciences, IIT Delhi

Invited to join editorial board of the British Journal of Social Psychology as a Consulting Editor

Dr. Nabi Hasan
Librarian, Central Library, IIT Delhi

'SALIS - Dr. Harish Chandra-Sushila Chandra National Best Librarian Award' for 2019

INTER-IIT SPORTS MEET (STUDENTS)

The 55th Inter-IIT Sports Meet for students was jointly hosted by IIT Delhi and IIT Roorkee from December 14–22, 2022. IIT Delhi hosted the sports meet after a span of 12 years, in which students from 23 IITs participated. The event concluded with IIT Delhi finishing as the winner of the Women's General Championship. In the Overall General Championship, IIT Delhi finished as the second runner-up.

INTER-IIT STAFF SPORTS MEET

The 27th Inter-IIT Staff Sports Meet was organised at IIT Delhi from December 24-29, 2022. Employees from 21 IITs, with a total contingent size of around 1300 (both men and women), participated in the six-day sports meet. An outstanding performance by IIT Delhi players in various games helped the institute win the Overall Championship (Men and Women combined) and the General Championship (Men).

GOLD	SILVER	BRONZE	4th Position
Basketball	Tennis	Volleyball (Joint)	TT (Men)
Football	Badminton		Squash
TT (Women)	Cricket		

CONTINUING EDUCATION PROGRAMME

Continuing Education Programme (CEP), IIT Delhi, a statutory body conducting certificate programmes and issuing certificates, administered the below activities from October to December 2022.

- **15 Programmes under various initiatives were notified.**
  i) Online CEP - 40%
  ii) Sponsored CEP - 40%
  iii) Government Sponsored Online Programme - 13%
  iv) On Campus CEP - 7%

- **15 Programmes with 1428 enrolled participants** listed below are ongoing (in academic delivery).

S.No.	Programme Title (Department/ Centre/ School)	Sponsored/ Open Participation
1	Advanced Certification in Data Science and Decision Science (DMS)	Open Participation (Online)
2	Advanced Programme in E-Vehicle Technology Programme -2 (CHE)	Open Participation (Online)
3	Advanced Project Management (DMS)	Open Participation (Online)
4	Data Science and Machine Learning Programme-4 (ScAI)	Open Participation (Online)
5	Design Thinking for User Experience Programme -3 (Design)	Open Participation (Online)
6	Digital Marketing Programme-4 (DMS)	Open Participation (Online)
7	Entrepreneurship Development (DMS)	Open Participation (Online)
8	FinTech (DMS)	Open Participation (Online)
9	Machine Learning and Deep Learning (EE)	Open Participation (Online)
10	Operations Management and Analytics Programme-2 (DMS)	Open Participation (Online)
11	Project Management Programme-4 (DMS)	Open Participation (Online)
12	Quantum Computing and Machine Learning Programme-1 (BSTTM)	Open Participation (Online)
13	Startup Boot Camp (DMS)	Open Participation (Online)
14	Strategic Management (DMS)	Open Participation (Online)
15	Supply Chain Management and Analytics (DMS)	Open Participation (Online)

- **10 Programmes benefiting 545 participants** listed below were concluded.

S.No.	Programme Title (Department/ Centre/ School)	Sponsored/ Open Participation
1	Advanced Certification in Data Science and Decision Science (DMS)	Open Participation (Online)
2	Advanced Programme in E-Vehicle Technology Programme -2 (CHE)	Open Participation (Online)
3	Advanced Project Management (DMS)	Open Participation (Online)
4	Data Science and Machine Learning Programme-4 (ScAI)	Open Participation (Online)
5	Design Thinking for User Experience Programme -3 (Design)	Open Participation (Online)
6	Digital Marketing Programme-4 (DMS)	Open Participation (Online)
7	Entrepreneurship Development (DMS)	Open Participation (Online)
8	FinTech (DMS)	Open Participation (Online)
9	Machine Learning and Deep Learning (EE)	Open Participation (Online)
10	Operations Management and Analytics Programme-2 (DMS)	Open Participation (Online)

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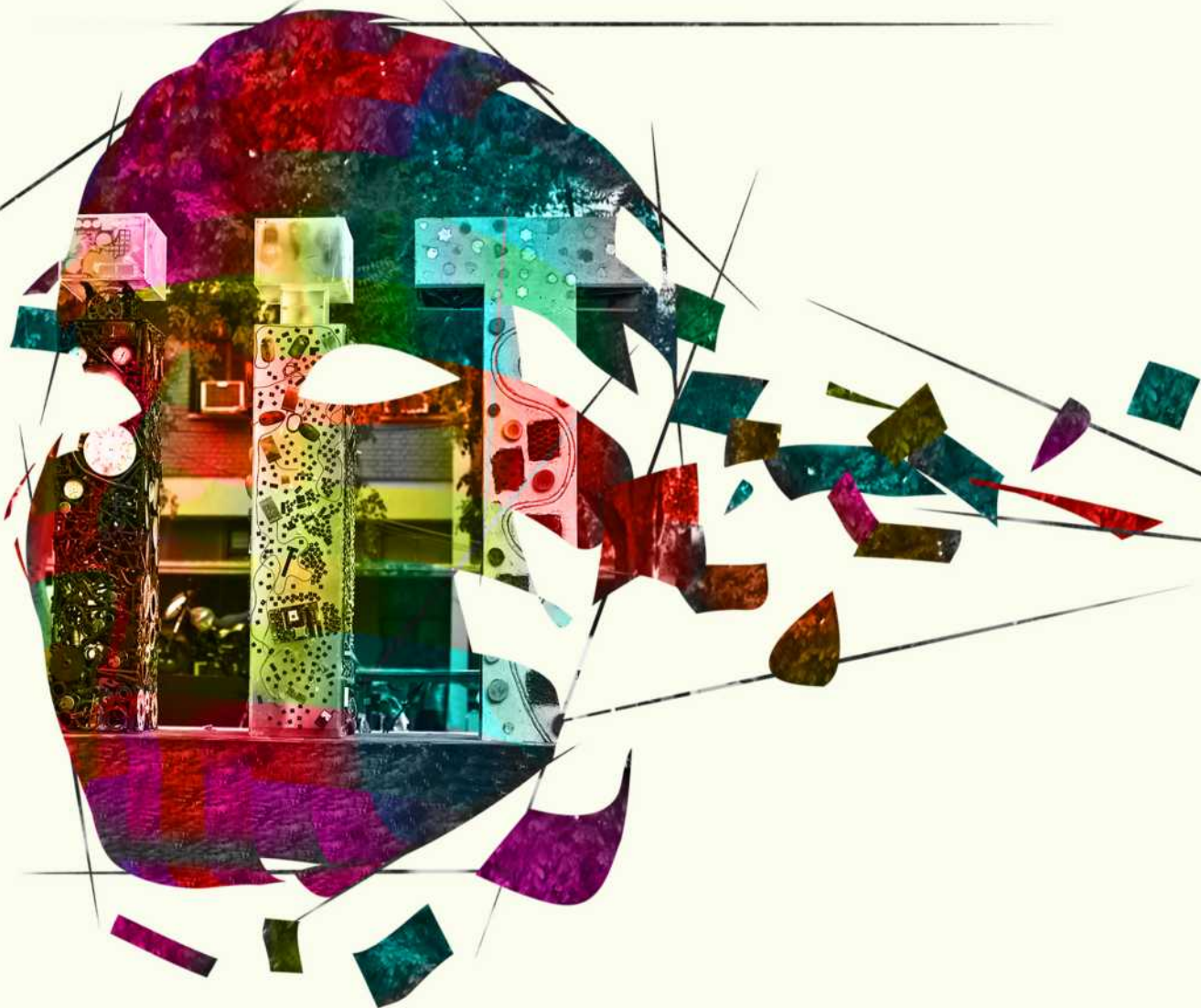
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