

52nd

Convocation

13th November, 2021



INDIAN INSTITUTE OF TECHNOLOGY DELHI

VISION

To contribute to India and the World through excellence in scientific and technical education and research; to serve as a valuable resource for industry and society; and remain a source of pride for all Indians.

MISSION

To generate new knowledge by engaging in cutting-edge research and to promote academic growth by offering state-of-the-art undergraduate, postgraduate and doctoral programmes.

To identify, based on an informed perception of Indian, regional and global needs, areas of specialization upon which the Institute can concentrate.

To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.

To develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

VALUES

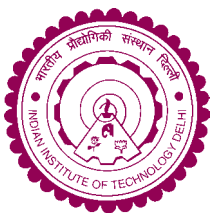
- ❑ Academic integrity and accountability.
- ❑ Respect and tolerance for the views of every individual.
- ❑ Attention to issues of national relevance as well as of global concern.
- ❑ Breadth of understanding, including knowledge of the human sciences.
- ❑ Appreciation of intellectual excellence and creativity.
- ❑ An unfettered spirit of exploration, rationality and enterprise.



PROGRAMME

Saturday, November 13, 2021 (Hybrid Mode)

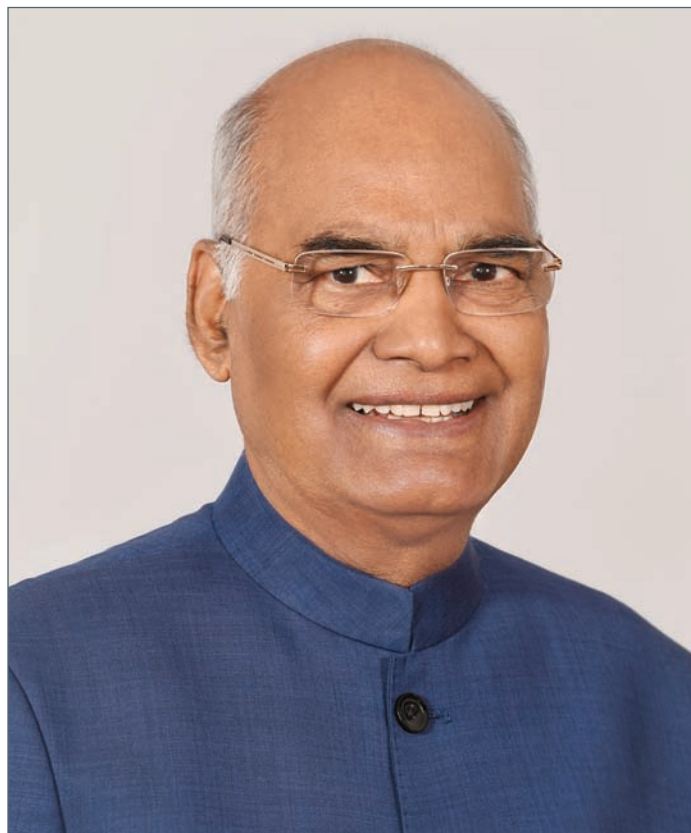
- 08:00 hrs : Arrival/Welcome of the Guests attending in person
- 08:01 hrs : Supply of robes to Senators and Guests participating in the Academic Procession
- 08:16 hrs : Registrar invites the Guests/Chairperson, BoG/Director to proceed
- 08:18 hrs : Members of Senate and Guests participating in the Academic Procession assemble
- 08:21 hrs : Academic Procession proceeds to the Dogra Hall. The Registrar will lead the procession. (Attendees in Dogra Hall will stand up when the procession enters the Dogra Hall and will remain standing till the procession culminates on the dais)
- 08:26 hrs : Welcome of Chief Guest/Other Guests joining online
- 08:29 hrs : National Song
- 08:31 hrs : Director requests the Chairperson, BoG to declare the Convocation open
- 08:32 hrs : The Convocation is declared open by the Chairperson, BoG
- 08:33 hrs : Director's Report
- 08:54 hrs : Address by the Chairperson, BoG
- 09:10 hrs : Convocation Address by the Chief Guest
- 09:31 hrs : Presentation of Distinguished Alumni Awards by the Chairperson, BoG
- 10:04 hrs : Pronouncement of Award of Degrees
- 10:09 hrs : Scroll signing by the Chairperson, BoG
- 10:12 hrs : Oath-taking by graduating students
- 10:15 hrs : Award of Institute Medals and Awards
- 10:41 hrs : Director requests the Chairperson, BoG to declare the Convocation closed
- 10:43 hrs : The Convocation is declared closed by the Chairperson, BoG
- 10:44 hrs : National Anthem
- 10:46 hrs : Academic Procession departs



**FIFTY SECOND
ANNUAL CONVOCATION
2021**



THE VISITOR



Shri Ram Nath Kovind

Hon'ble President of India and Visitor, IIT Delhi

THE CHIEF GUEST



Ms. Padmasree Warrior

Distinguished Alumna, IIT Delhi

(Founder and CEO, Fable, Previously CEO NIO U.S., CTSO Cisco, CTO Motorola Inc.)

Ms. Padmasree Warrior is the Founder, President and CEO of Fable, a mobile-first company that brings stories for everyone, anywhere. Previously, Ms. Padma was the Chief Executive Officer of NIO U.S., Chief Development Officer and Board Member of NIO Inc., a manufacturer of smart, electric and autonomous vehicles. In this role, she scaled the company from start-up to a successful IPO in 3 years.

Prior to her stint at NIO, Ms. Warrior served as the Chief Technology & Strategy Officer (CTSO) for Cisco until September 2015. In this capacity she was charged with aligning the company's technology and business strategy to business results. She was in charge of corporate strategy, mergers, acquisitions, venture investments, and strategic partnerships. Previous to that, she was the SVP and GM for Cisco Enterprise segment and co-led Cisco's worldwide engineering organization. Prior to joining Cisco, she was EVP and CTO at Motorola. Under her leadership, Motorola was awarded the 2004 U.S. National Medal of Technology.

Ms. Padmasree Warrior has been widely recognized for her creative and visionary leadership. Forbes has named

her one of "The World's 100 Most Powerful Women" for three years running. In 2013, The International Alliance for Women gave her the World of Difference Award. In 2012, Business Insider called her one of the "25 Most Influential Women in Wireless". The Wall Street Journal has called her one of the "50 Women to Watch". Fast Company included her among the "100 Most Creative People in Business". The Economic Times has listed her as "the 11th Most Influential Global Indian".

Ms. Warrior has served on government initiatives, industry advisory boards as well as charitable and community organizations. She received the United States Pan Asian American Chamber of Commerce's Excellence Award and YWCA Metropolitan Chicago's Outstanding Woman of Achievement Award. In 2007, she was inducted into the WITI Hall of Fame. Ms. Warrior serves on the boards of Microsoft and Spotify.

Ms. Warrior holds a Bachelor of Technology degree in Chemical Engineering from the Indian Institute of Technology Delhi and a Master of Science degree in Chemical Engineering from Cornell University.



Shri Dharmendra Pradhan
Hon'ble Union Minister for Education



Dr. R. Chidambaram
Chairperson, Board of Governors, IIT Delhi



Prof. V. Ramgopal Rao
Director, IIT Delhi



INDIAN INSTITUTE OF TECHNOLOGY DELHI

Indian Institute of Technology Delhi, established in 1963, is one of the Institutes of Technology in India created as centres of excellence for higher training, research and development in science, engineering and technology.

OBJECTIVES

- offering instruction in engineering and applied sciences at a level comparable to the very best in the world;
- providing best possible facilities for postgraduate studies and research;
- providing leadership in curriculum planning and laboratory development;
- developing programmes for faculty development both for its own staff and for teachers of other engineering institutions;
- developing close collaboration with industry through exchange of personnel and undertaking consultancy projects;
- developing strong collaboration links with other academic and research institutions in the country and abroad;
- anticipating the technological needs for India and to plan and prepare to cater to them;
- developing continuing education programmes;
- preparing instructional resource material in the conventional as well as the audio-visual, the video and the computer-based modes;
- catering to the development of a culture for maintenance and conservation.

Academic Statistics

Faculty and Academic Staff (as on 31.10.2021)

704

Current Enrolment (as on 31.10.2021)

Undergraduate Programmes

3,551[#]

Postgraduate Programmes (M.Tech./M.S.(R)/M.Des./M.Sc./M.B.A./M.P.P./PG D.I.I.T.)

3,264

Ph.D.

3,624

Total

10,439

Degrees Awarded

(until 2020)

(during 2020-21)

Ph.D.

6,077

288

M.B.A.

1,906

157

M.S. (Research)

358

26

5-year Integrated M.Tech. in Bio-Chem. & Bio-Tech.

331

-

M.Des.

388

21

M.Tech.

19,804

608

5-year Dual Degree Programme (M.Tech. & B.Tech.)

1,862

97

M.Tech. under Advanced Standing

33

06

5-year Integrated M.Tech. in Mathematics & Computing

512*

04

D.I.I.T. (PG)

152

04

PG D.I.I.T. (Naval Construction)

1,014

19

M.Sc.

3,501

151

B.Tech.

17,880

734

D.I.I.T. (UG)

33

02

Total

53,851

2,117

[#] Does not include the 2021-22 UG admissions, which are ongoing.

* Including 5-year Integrated Master of Science (M.Sc.) in Mathematics and Computer Applications.



Previous Convocations: Chief Guests

No.	Date	Name of the Chief Guest
1st	3rd November, 1966	Dr. S. Radhakrishnan
2nd	16th November, 1968	Smt. Indira Gandhi
3rd	27th October, 1969	Shri V. V. Giri
4th	16th November, 1970	Dr. V. K. R. V. Rao
5th	26th November, 1971	Shri Sidhartha Shankar Ray
6th	6th December, 1975	Prof. S. Nurul Hassan
7th	11th January, 1977	Shri Fakhruddin Ali Ahmed
8th	19th April, 1978	Shri Neelam Sanjiva Reddy
9th	9th December, 1978	Shri Morarji Desai
10th	9th December, 1979	Justice H. R. Khanna
11th	6th December, 1980	Prof. S. Nurul Hassan
12th	4th December, 1981	Dr. M. S. Swaminathan
13th	7th January, 1983	Shri Zail Singh
14th	20th January, 1984	Smt. Sheila Kaul
15th	8th December, 1984	Shri R. Venkataraman
16th	19th December, 1985	Shri Rajiv Gandhi
17th	29th December, 1986	Shri P. V. Narasimha Rao
18th	21st January, 1988	Shri K. C. Pant
19th	4th February, 1989	Prof. M. G. K. Menon
20th	18th August, 1989	Shri Sam Pitroda
21st	27th July, 1990	Shri Nanubhai Amin
22nd	26th July, 1991	Dr. Raja Ramanna
23rd	24th July, 1992	Dr. S. Z. Kasim
24th	23rd July, 1993	Dr. A. P. J. Abdul Kalam
25th	13th August, 1994	Dr. K. R. Narayanan
26th	12th August, 1995	Dr. Manmohan Singh
27th	9th August, 1996	Shri S. R. Bommai
28th	9th August, 1997	Prof. Y. K. Alagh
29th	8th August, 1998	Shri Keshub Mahindra
30th	14th August, 1999	Dr. R. A. Mashelkar
31st	12th August, 2000	Dr. Murli Manohar Joshi
32nd	11th August, 2001	Shri N. R. Narayana Murthy
33rd	10th August, 2002	Dr. R. Chidambaram



contd...

34th	9th August, 2003	Shri Bhairon Singh Shekhawat
35th	14th August, 2004	Shri Rajat Gupta
36th	13th August, 2005	Dr. Kiran Mazumdar - Shaw
37th	12th August, 2006	Shri Azim Premji
38th	11th August, 2007	Shri Montek Singh Ahluwalia
39th	9th August, 2008	Dr. R. K. Pachauri
40th	8th August, 2009	Shri Kapil Sibal
40th	9th August, 2009	Dr. G. Madhavan Nair
41st	7th August, 2010	Shri Mohammad Hamid Ansari
41st	8th August, 2010	Prof. Goverdhan Mehta
42nd	13th August, 2011	Dr. K. Kasturirangan
42nd	14th August, 2011	Shri M. S. Banga
43rd	28th October, 2012	Shri S. Ramadorai
44th	9th November, 2013	Shri Pranab Mukherjee
45th	1st November, 2014	Prof. George F. Smoot
46th	31st October, 2015	Dr. Raghuram G. Rajan
47th	6th November, 2016	Prof. C. N. R. Rao
48th	4th November, 2017	Shri. Ram Nath Kovind
49th	3rd November, 2018	Ms. Anu Aga
50th	2nd November, 2019	Dr. K. Sivan
51st	7th November, 2020	Shri Narendra Modi

Previous Convocations : Guests of Honour

No.	Date	Name of the Guest of Honour
50th	2nd November, 2019	Mr. Raghu Hari Dalmia, Dr. Seema Vinayak, Mr. Sunil Bhaskaran, Mr. M. S. Unnikrishnan, Mr. Thomas Varghese, Dr. Ashvini Kumar, Dr. Manish Gupta, Prof. Ritabrata Munshi
51st	7th November, 2020	Sh. Ramesh Pokhriyal 'Nishank', Sh. Sanjay Dhotre



DIRECTOR'S REPORT

Ms. Padmasree Warrior, Chief Guest of the function and also our distinguished alumna, Dr. R. Chidambaram, Chairperson, Board of Governors, Members of the Board and the Senate, degree recipients, distinguished Guests, Colleagues, Ladies and Gentlemen and dear graduating students.

It is a great pleasure for me to welcome you all to this 52nd Annual Convocation of Indian Institute of Technology Delhi, and to present to you a brief report highlighting our activities, achievements and future plans. We are highly honoured and pleased to have with us Ms. Padmasree Warrior, who has kindly consented to be the Chief Guest on this solemn occasion.

Ms. Padmasree Warrior is the Founder, President and CEO of Fable, a mobile-first company that brings stories for everyone, anywhere. Previously, Ms. Warrior was the Chief Executive Officer of NIO U.S., Chief Development Officer and Board Member of NIO Inc., a manufacturer of smart, electric and autonomous vehicles. In this role she scaled the company from start-up to a successful IPO in 3 years. Prior to her stint at NIO, Ms. Warrior served as the Chief Technology & Strategy Officer (CTSO) for Cisco until September 2015. In this capacity she was charged with aligning the company's technology and business strategy to business results. She was in-charge of corporate strategy, mergers, acquisitions, venture investments, and strategic partnerships. Previous to that, she was the SVP and GM for

Cisco Enterprise segment and co-led Cisco's worldwide engineering organization. Prior to joining Cisco, she was EVP and CTO at Motorola. Under her leadership, Motorola was awarded the 2004 U.S. National Medal of Technology. Ms. Padmasree Warrior has been widely recognized for her creative and visionary leadership. Forbes has named her one of "The World's 100 Most Powerful Women" for three years running. In 2013, The International Alliance for Women gave her the World of Difference Award. In 2012, Business Insider called her one of the "25 Most Influential Women in Wireless". The Wall Street Journal has called her one of "50 Women to Watch." Fast Company included her among the "100 Most Creative People in Business." The Economic Times has listed her as "the 11th Most Influential Global Indian." Ms. Warrior has served on government initiatives, industry advisory boards as well as charitable and community organizations. She received the United States Pan Asian American Chamber of Commerce's Excellence Award and YWCA Metropolitan Chicago's Outstanding Woman of Achievement Award. In 2007, she was inducted into the WITI Hall of Fame. Ms. Warrior serves on the boards of Microsoft and Spotify. Ms. Warrior holds a Bachelor of Technology degree in Chemical Engineering from the Indian Institute of Technology Delhi and a Master of Science degree in Chemical Engineering from Cornell University. More proudly, Ms. Warrior is a distinguished alumna of IIT Delhi.



At the outset, I am pleased to share with you all that in the recently released QS World University Rankings 2022 edition, IIT Delhi has featured amongst the top-200 world institutions with an improved rank of 185 amongst 1300 globally ranked institutes and is amongst the top 14 percentile in the QS World University Rankings. IIT Delhi has secured 54th rank in Engineering & Technology Category in QS World Rankings by subject (2021). The Institute has also been ranked 45th in QS Asia University Rankings, 2022 Edition. I am also pleased to share that IIT Delhi has secured an NIRF rank 2nd in Engineering and 5th in Management respectively. IIT Delhi has also secured 1st position in India Today's India's best Colleges Survey, 2021 and 2nd in Outlook-ICARE India ranking, 2021. It is my pleasant duty to acknowledge and appreciate the contributions made by the faculty, students and staff for achieving these distinctions.

As reported earlier, IIT Delhi was awarded the Institute of Eminence (IoE) Status in 2018 for a period of five years and the Institute has undertaken numerous initiatives and activities in this regard. IIT Delhi is among the first 3 Institutions recognized by Govt. of India as an Institution of Eminence in 2018 after an elaborate screening process. Kudos to the entire faculty fraternity, students and staff for their outstanding contributions leading to the IoE recognition for the Institute and the progress being made on the initiatives of the Institute under this status. We stand on the shoulders of alumni, the retired faculty, the past leadership and the ex-employees of the Institute as well as our well-wishers. Covid has disrupted all our lives in so many different ways. We lost a few of our students, staff and faculty to Covid.

Institute mourns the sad demise of the following faculty, staff and students to Covid. Our deepest condolences to the bereaved families and may their souls rest in eternal peace.

Ms. Devanshi Mishra, Ph.D. Student, Kusuma School of Biological Sciences; Shri Satya Prakash, Bharti School Part-Time M.S.(R) student; Shri Vivek Bhardwaj, Executive Engineer (Civil); Shri Dheeraj Kumar, Maintenance-2 (Works); Smt. Kunti Devi, Board of Hostel Management; Shri Pratap Singh Negi, Mechanical Engineering and Prof. K.C. Iyer, Civil Engg. Department & Dean (Infrastructure).

IIT Delhi Research groups and start-ups created significant impact in our fight against Covid-19 touching more than a million lives. Multiple diagnostic and protective solutions were brought to the masses by the efforts of the IIT Delhi community through licensing route or by its incubated start-ups. A few such technology based solutions include (a) the affordable *in vitro* Rapid Antigen Test Kit for qualitative detection of coronavirus antigens in nasopharyngeal swabs, using the rapid immunochromatographic method, (b) a real-time probe-free RT-PCR diagnostic assay which allows conversion of RNA to cDNA and amplification of the cDNA by PCR in the same tube, (c) PPE - the protective coverall made from combination of non-woven polypropylene fabric, further impregnated with anti-microbial PP coating through special process to increase breathability, and also compliant with Dry Microbial Penetration Resistance Test, (d) different types of Masks and sprays by start-ups e.g. Nanoclean's N95 mask, ETEX's Kawach branded masks and NanoSafe's anti-microbial and washable masks, Ramja's Nanoshot spray (e) LED based UVC sanitizing device for use in escalators or moving walkways for handrail sanitization, and (f) a fabric decontamination composition besides others.

ACADEMIC ACTIVITIES

New post-graduate programmes have been launched which include M.Tech. Programme in Electric Mobility (E-Mobility) and M.S.(R) Programme in Centre for Automotive Research



and Tribology (CART). Interdisciplinary M.Tech. Programme in Cyber Security; Joint PG Diploma in Visionary Leadership in Manufacturing (VLFM) in collaboration with NITIE; M.Sc. Programme in Cognitive Science and M.Sc. Programme in Economics in the Department of Humanities and Social Sciences; M.Tech. Programme in Materials Engineering in Department of Materials Science and Engineering have been offered in the recent past. M.Tech. and M.S. (Research) Programmes in Machine Intelligence and Data Science in the School of Artificial Intelligence will be started soon. Master of Public Policy Programme is being offered by the School of Public Policy from the year 2021-22. Ph.D. Programme has also been started by the Optics and Photonics Centre from the year 2021-22. M.S.(R) Programme has been launched by the Department of Energy Science & Engineering.

At undergraduate level, the new academic programmes introduced recently include B.Tech. in Engineering and Computational Mechanics Programme in Department of Applied Mechanics; B.Tech. in Materials Engineering in the Department of Materials Science and Engineering; B.Tech. in Energy Engineering in the Department of Energy Science and Engineering. B.Des. Programme & B.Tech. Programme in Design in the Department of Design have been approved and are scheduled to start in coming years.

Centre for Energy Studies has been converted into Department of Energy Science and Engineering for expanding the scope and depth of activities. A new 'Optics and Photonics Centre' has been established to explore teaching, research, development, and innovation in different areas of optics and photonics to a higher level. Transportation Research and Injury Prevention Centre (TRIP-C) has been established by converting the 'Transportation Research and Injury Prevention Programme (TRIPP). IIT Delhi

has established a Centre of Excellence (CoE) on Quantum Technologies to bring research activities occurring in various domains of Quantum Technologies at IIT Delhi under a single umbrella.

The median for Faculty Student Ratio (Faculty Staff Per 100 student) stood at 9.3, which is above the global median of 8. Similarly, the median for citation per faculty (Normalized citation per faculty member) for IIT Delhi is 111.5, which is far above the global median of 39.2.

IIT Delhi has signed MoUs with NIT Sikkim and NIT Srinagar to foster academic and research collaboration in the areas of mutual interest. Under this MoU, their B.Tech. students would be eligible for direct admission to Ph.D. programmes in IIT Delhi without qualifying GATE or any other national level examination.

IIT Delhi launched Grassroots Innovation Programme (GRIP) for Students under which the Institute students will work on finding novel solutions to grassroots societal problems identified by them from rural and semi-urban areas, including the communities they come from.

IIT Delhi launched the "Sci-Tech Spins' Lecture Series, with talks delivered by our eminent faculty members for young school going students (9th to 12th grade). The aim of Sci-Tech Series is to ignite in students a passion for science and technology. IIT Delhi will initiate a Mentorship program for high school girl students from December 2021. This program aims to provide sufficient exposure to girl students at an early stage to encourage them to pursue science and technology research as their careers. More such Academic Outreach initiatives are planned and will be rolled out during coming months.

Doctoral Fellowship in India for ASEAN (DIA) was launched to fund 1000 scholars from South East Asian Countries to pursue Ph.D. at the 23 IITs. The



aim of DIA fellowship is to support research study exclusively for aspirants from ASEAN countries and in commemoration of the 25th anniversary of the warm and friendly ties between India and ASEAN. This Ph.D. programme is the largest capacity development programme undertaken by the Government of India for foreign beneficiaries, thus encouraging the ASEAN students to learn in some of India's finest institutions and learn from the best minds. This DIA Fellowship programme provides ASEAN participants space for pursuing higher education in India and provides an opportunity for the promotion of education and cultural exchanges between India and ASEAN countries. The programme can be used to develop Science & Technology programmes and personnel in relevant ASEAN countries. It will be India's contribution to the strengthening of education partnership and the closer collaboration between India and ASEAN. Under DIA, two students have already joined in the previous rounds and two more students have been selected in the third round. IIT Delhi is also the National Coordinator of the Prime Minister's Research Fellowship (PMRF) program, in addition to having the same responsibility of the ASEAN (DIA) programme. As part of the PMRF initiative, IIT Delhi is involved in conducting the overall administration of selection of PMRF candidates, monitoring their progress, and achieving the overall goal of high quality, nationally relevant research from these outstanding research scholars. Under UQIDAR (Research Council for the UQ-IITD Academy), 70 students are currently pursuing their joint Ph.D. Programme. Under the International Ph.D. Fellowship Programme (IPFP), 12 new international students have joined the programme totalling to 65. Committed to the cause of making quality education accessible to all, IIT Delhi in the last convocation,

has launched Online Certificate Programmes under eVIDYA@IITD initiative. Since then 59 online-certificate training programmes in various schemes were designed and conducted to cater to the training and development needs of various organisations, industries, PSU's, Academia and Individual Participants. Online training is imparted to 2941 participants, which is more than 35% higher than the previous year. It may be noted that this year only on-line programmes were offered by IIT Delhi, due to COVID-19 restrictions.

The collective vision of IIT Delhi is to be a leading academic institution in the world by advancing knowledge through high impact research and impart quality education to produce technologically adept and socially conscious professionals, and by catalyzing innovation-driven entrepreneurship, thereby addressing strategic goals of the nation and the needs of global society. Our endeavour is to raise the bar and set higher benchmarks for ourselves and for the rest of the country. The last one year has been no exception. We have done pretty well in all aspects of institutional activities, be it teaching, research or outreach activities.

Currently there are 3551* undergraduate, 3264 postgraduate (non-Ph.D.) students, and 3624 Ph.D. students. This year 1508 postgraduate students (non-Ph.D.) and 453 Ph.D. students have been admitted to IIT Delhi. We have 16.56% girls in the undergraduate programmes and 25.30% overall.

When the COVID-19 pandemic started leading to a nationwide lockdown, the Institute swiftly adapted the teaching to the online mode. Sufficient outreach, surveys and initiatives were taken to support the students who were forced to continue study in the digital mode. The Senate provisioned the online doctoral defense for Ph.D. students so that minimal

*Does not include 2021-22 UG admission, which are ongoing.



disruption takes place to their academic progress and completion. Academic administration was completely brought online so that students can manage their academic activities with minimal disruption, even from their homes. Library resources were made available outside the campus through internet.

In Academic Year 2021-22, the whole country and indeed the city of Delhi was ravaged with the second wave of Covid-19, which forced closure of laboratories and students and research scholars had to be sent back to their homes. While online classes were already running in a stable mode, many of the students and their families were adversely affected, as were faculty members and their families. The Senate adopted, in response to this crisis, some special provisions for students to appear in the semester-ending examinations in a delayed way, so that they could complete their academic requirements at their own pace. Also, extra time was provided this summer for the entire Institute community to respond to the constraints and stress created by the second wave of the pandemic. Naturally, in such a constrained environment, laboratory-based Ph.D. level research was affected adversely, as most students were away and laboratories were closed in the April-July 2021 period. However, soon after this 4 month hiatus, research scholars returned to campus and the recovery of their work testifies to the overall resilience of the campus.

I would like to place on record my sincere appreciation for the efforts of our JEE Advanced and the GATE teams as well as our faculty and staff for their support in conducting these examinations during the COVID times.

RESEARCH & DEVELOPMENT ACTIVITIES

Over the years, the Institute has built a strong research tradition, which can be seen by the impressive statistics in terms of various research

indicators. I would like to emphasize that research is core to IIT Delhi's culture and our faculty members and research community have published 3413 research papers in the last one year.

In the last financial year, a total of 253 sponsored projects were sanctioned to the Institute with a total value of ₹206 Crores including 28 projects undertaken through FITT and IHFC. Industrial consultancy is another significant area of activity in the Institute. The nature and extent of the industrial consultancy projects undertaken by the Institute is an index of its credibility with the industry and other institutions. In the last financial year, a total of 342 consultancy projects were sanctioned with a total value of ₹34.11 Crores including 51 projects undertaken through FITT. Institute also received 19 high value projects valued more than ₹1 Crore each. The most prominent projects include Centre of Excellence for Advance Data Management System for Highways (NHAI); Daksh Centre of Excellence (CoE) for Law and Technology (Daksh Society of India); International Centre of Excellence for Computational and Biomedical Sciences (Open Health Systems Laboratory, USA) and Delhi Cluster: Delhi Research Implementation and Innovation (DRIIV) (Office of the Principal Scientific Adviser, Govt. of India).

This year, IIT Delhi has signed 12 major MoUs with international and national organizations/universities for research collaboration. These include MoUs with SC e-Governance Services India Ltd., New Delhi; Indian Navy, New Delhi; National Health Authority; BHEL; Mirrorsize, USA; Tata Power; Hebrew University of Jerusalem, Israel; Regional Centre for Biotechnology (RCB), Faridabad; Ashoka University, Haryana; National Law University, Delhi; Indraprastha Institute of Information Technology Delhi; and Indian Institute of Petroleum and Energy, Visakhapatnam.



The new Centres of Excellence established during the period include (i) Daksh Centre of Excellence for Law and Technology, (ii) Centre of Excellence on Quantum Technologies, (iii) New Centre to Synergise and Boost R&D activities in Optics and Photonics Field, (iv) Centre for Advanced Research and Excellence in Disability and Assistive Technology, (v) SMITA Research Lab (CoE) in Smart Textiles, and (vi) Centre for Excellence in areas of Bioinformatics and Computational Biology.

The Institute is actively involved in collaborative research with national and international organizations and universities to remain at the forefront of scientific and technological developments. The institute has undertaken 29 new collaborative sponsored research projects with international funding from USA, France, Sweden, Canada, South Korea, Denmark, China, Austria, Hungary, Norway, UK, Japan and Egypt.

A large number of collaborative Research Projects are under operation with various Institutes and organizations from Austria, Australia, Belarus, Brazil, Canada, Denmark, Ethiopia, European Commission, France, Finland, Germany, Holland, Hungary, Ireland, Israel, Italy, Japan, Korea, Kuwait, Latvia, Netherland, Nepal, Poland, Portugal, Russia, Slovenia, Sweden, Sri Lanka, Switzerland, Taiwan, Tunisia, UK, USA, etc. Major research activities have also been undertaken in the areas of national importance.

Under the Faculty Interdisciplinary Research Project (FIRP), 22 projects have been sanctioned for support. Selected projects are given an initial grant of ₹10 lakhs for two years. FIRP also led to 77 research publications, 11 patents and 3 technology transfers. Under the Multi-institutional Faculty Interdisciplinary Research Project (MFIRP), this year, 28 projects have been sanctioned. MFIRP projects with National Law University, New Delhi and IIIT Delhi are under process. Under the Grand Challenges Initiative for

the Department of Humanities & Social Sciences, eight projects of multidisciplinary nature were sanctioned. Each project sanctioned received an amount of up to ₹50 lakhs for five years. More than 15 faculty members from other departments/centres/schools are collaborating with HUSS under this initiative.

Forty one (41) new faculty members have been provided the one-time Research Grant of ₹1 lakh to initiate new projects. Equipment matching grants of ₹459 lakhs have been sanctioned to 23 new faculty members during the financial year 2020-21.

Many schemes have been introduced and are in operation for students for research and start-up activities. These schemes include Discover and Learn Projects (1-2-3-4) Scheme; IRD student Startup Action Projects; Summer Undergraduate Research Award; IRD Early-Doc Fellowships; Research Excellence Travel Award; Research Scholar Travel Award; and Assistantships/Fellowships to the Ph.D./M.Tech./M.S.(R) students.

IIT Delhi has been selected for a DST Pilot Project on Gender Advancement for Transforming Institutions (GATI) and Prof. (Mrs.) Ravinder Kaur, Department of Humanities and Social Sciences has been nominated as the Nodal Officer for the project.

During the period, a total of 148 patents have been filed, 10 start-ups have been supported and 11 technology transfers have been facilitated.

IIT Delhi is also the National coordinator for the flagship Unnat Bharat Abhiyan (UBA) program of the Ministry of Education, which was originally conceived at IIT Delhi. Unnat Bharat Abhiyan is presently a network of 2900 Participating Institutions (academic institutions) both from UGC and AICTE, working in 14500+ villages for their development in collaboration with district administration. To strengthen the scheme outreach, there are 45



Regional Coordinating Institutions (RCIs) in the country and 13 Subject Expert Groups (SEGs). We have signed MoU's with CSIR, TRIFED and NECTAR with a common 3rd party Vijanana Bharti (VIBHA) for field implementation with focussed rural livelihood generation. To cater to the situation during the pandemic, UBA initiated a web series named "Unnat Gram Aarogya Series" in different regional languages, through which around 1.5 lakh people benefited. UBA signed MoU with IITD Alumni Affairs for "Each One Uplift One" and also organising a joint conference on "Global Village Conclave". As per the mandate, UBA in collaboration with NECTAR is working on four projects, which are selected through the rigorous procedure by the involvement of various experts in the field. These projects will be funded by NECTAR with UBA in a mentoring role. UBA has worked in full capacity during the Covid-19 Pandemic and provided support to the extent possible to the needy. In line with this UBA also launched a poster and video-making competition in all regional languages to generate awareness for vaccination among Rural areas of the country.

Central Research Facility (CRF) and Kusuma School of Biological Sciences established a state-of-the-art Cell Biology Facility in the Sonipat Campus housed with the equipment such as Confocal Microscope, Fluorescence activated Cell Sorter, Ultracentrifuge, Multimode reader, SPR, Phosphoimager etc.

Department of Applied Mechanics started a new collaboration with NVIDIA to set up NVIDIA AI Technological Center. As part of this initiative, IIT Delhi and Nvidia will carry out collaborative research on Scientific Machine Learning. MOU for this collaboration is under processing. Initially three projects on Digital Twins, Climate Modelling and Particulate Flow will be undertaken and a teaching kit on AI for Science and Technology will also be developed under this collaboration.

Centre for Atmospheric Sciences (CAS) broke ground at the Sonipat campus in March 2021 to create a world-class atmospheric observation research facility. This first-of-its-kind observatory in India will enable new discoveries and help find sustainable solutions to some of the country's pressing problems of severe air pollution, erratic monsoon, and extreme weather events associated with climate change will transform science-based action. The observatory will be equipped with state-of-the-art equipment to observe air pollutants, greenhouse gases, clouds and meteorology together continuously is expected to be operational in early 2022. IIT Delhi also became the newest NASA Aerosol Robotic Network (AERONET) site in South Asia. The instrument (CIMLL photometer) – a part of the NASA's MAIA mission - provides continuous measurements of aerosol optical and micro physical parameters and has been deployed in the main campus.

MG Motor India has joined hands with IIT Delhi's Centre for Automotive Research and Tribology (CART) for ground-breaking research in the field of electric and autonomous vehicles.

IIT Delhi researchers have designed and fabricated a device called "Liquid-solid Interface Triboelectric Nanogenerator" that can generate electricity from water drops, raindrops, water streams, and even from ocean waves using "Triboelectric Effect" and "Electrostatic Induction".

IIT Delhi collaborated with Delhi Government to improve oxygen infrastructure and supply chain management in Delhi.

IIT Delhi in association with AIIMS New Delhi and Addverb has co-developed Telerobotic Ultrasound System during COVID Times.

Minister of State for Education Shri Sanjay Dhotre launched the Rapid Antigen Test Kit for COVID-19 developed by IIT Delhi in June 2021.



IIT Delhi's over ₹500 Crore State-of-the Art 'Central Research Facility' has now been opened for researchers from across the Country.

ISRO will support the eight Joint Research Projects proposed by Space Technology Cell at IIT Delhi.

Furthering the relationship between Indian Navy and IIT Delhi on research in underwater domain of Naval Electronic Systems, a Memorandum of Understanding has been signed. The relationship dates back to 1970s and key technologies for Navy in the field of underwater electronics have been developed by the Centre for Applied Research in Electronics (CARE) at IIT Delhi since then. The research carried out at IIT Delhi has played an important role in the technological advances made by the Indian Navy. In line with Hon'ble Prime Minister Modi's vision of 'Atmanirbhar Bharat', Indian Navy endeavours on development of major technology driven projects through IIT Delhi.

Under the Deferred Placement Policy (DPP) of FITT, IIT Delhi, 4 applicants have been shortlisted. This policy implemented for students who opt out of placement in order to inculcate their start-up ideas.

The AIC IIT Delhi Sonipat Innovation Foundation, a Section 8 company created by FITT and IIT Delhi at the I-TEC, IIT Delhi Sonipat Campus under the Atal Innovation Mission (AIM) of the NITI Aayog is ready to take off following the receipt of the first tranche of funding from the AIM. With the support from AIM, the AIC is creating a world class incubation facility with over 10,000 sq.ft. of space and state-of-the-art physical infrastructure, in terms of capital equipment and operating facilities for incubatee start-ups. Apart from this, business planning support, access to sectoral experts for mentoring, seed capital, industry partnerships, training, and other relevant components required for supporting innovative start-ups will be provided.

The new initiatives and schemes launched in the last one year by FITT, IIT Delhi include the following:

1. **SAMRIDH:** IIT Delhi has collaborated with the National Health Authority and U.S. Agency for International Development (USAID) for the SAMRIDH (Sustainable Access to Markets and Resources for Innovative Delivery of Healthcare) initiative. SAMRIDH is a Healthcare Blended Finance Facility that aims to scale high impact solutions that can strengthen healthcare delivery in India. SAMRIDH is mobilizing a capital pool of \$100+ million from private sector and development funders. It is leveraging this fund to offer both grant and debt financing provision to healthcare enterprises and innovators. FITT is implementing and managing the Blended Finance Facility at IIT Delhi.
2. **Oxygen Plant at IIT Delhi:** HOPE Foundation, a charitable organization with its registered office in Delhi, has donated a PSA-based 250 LPM medical oxygen plant to IIT Delhi. The plant shall be installed within the premises of IIT Delhi.
3. **Renew Women Climate Champions:** FITT has partnered with Renew Power and signed an MoU to implement the Renew Women Climate Champions programme. The program, jointly implemented by FITT and UNDP, will provide extensive business mentoring and further opportunities for Women entrepreneurs working on various aspects of clean energy.
4. In the **Faculty Innovation and Research-driven Entrepreneurship (FIRE)** programme for faculty members, five faculty members were selected this year for support. The selected faculty members may avail a funding of up to ₹50 Lakhs from the Institute to work on their products and then will be provided incubation support by FITT to accelerate the commercialization efforts.



5. **SPARSH Social Immersion and Innovation Programme.** Under this programme, four fellows visited various sites to identify relevant challenges and have come up with ideas to solve challenges related to combating environmental pollution. While these fellows get a monthly stipend of ₹50,000 each, they are also provided a kickstart grant of ₹5 lakhs each to work on their products.

FITT, IIT Delhi executed MoUs with various organizations for research collaboration. These include Hyundai Motor India Foundation; World Food Program; WEE Foundation; HDFC; Samsung; LG Soft India Pvt. Ltd.; Maruti Suzuki Ltd.; Denso, Japan; Huawei Technologies Pvt. Ltd.; Facebook Technologies, LLC, USA; and HOPE Foundation.

CENTRAL RESEARCH FACILITY

In recent years, the Central Research Facility (CRF) grew in leaps and bounds. More than ₹500 crores have been either spent or committed by IIT Delhi to build infrastructure and establish various high-end facilities in the last five years. The main sources of funding are the IoE Grant, SATHI Project, special MoE Grant, IIT Grant through IRD and the loan received from HEFA. Today we have over 50 different facilities, owned and/or adopted by the CRF, which are already available to the users. This number is likely to get doubled in the next two years.

In the last year, facilities worth ₹100 crores have been installed in our Hauz Khas and Sonapat campuses. Majority of them are already available to the users. Some of the most modern equipment like Physical Property Measurement System, X-Ray Photoemission Spectrometer, High Resolution Transmission Electron Microscope, Molecular Beam Epitaxy, Universal Testing Machine, Electron Paramagnetic Resonance etc. are now housed in our Sonapat campus. In addition, construction of another

CRF building, in the same campus, is in full swing and it is likely to be completed by end of March 2022.

Setting up of the Sophisticated Analytical and Technical Help Institutes (SATHI) by the DST has further augmented the capabilities of the CRF by adding a plethora of new facilities that will be beneficial for both academic as well as industrial research. For example, a prototype facility is being developed that will enable MSMEs to come up with an idea with a design and get the prototype developed in-house. A pollution monitoring and control facility too has been sanctioned. Several new high-end spectrometers and microscopes sanctioned in the first phase of SATHI have already been installed and will be available to users in the month of December 2021.

A strong need was felt to enable sharing such facilities with the rest of the users from other academic institutions and industries in the country. A new platform has now been developed whereby anyone from across India can create a user account, log-in to the CRF and book an instrument online. With this step, all facilities of CRF at IIT Delhi are now available for all researchers in the country.

GRANTS

In the financial year 2020-21, the Institute received ₹526.13 Crores as grant (₹492.38 crores for Recurring Expenditure and ₹33.75 crores for Non-Recurring Expenditure) under Scheme Code 0920 (support to IITs) from Ministry of Education. The Institute generated about 24.66% of the actual recurring expenditure through internal revenue generation from fees, sponsored research, consultancies and containing education programmes.

CORPORATE RELATIONS

Established in the year 2016, Office of Corporate Relations (CR) has been actively strengthening the relations between IIT Delhi and industry. Backed



by a team of professionals with varied industry experience, CR is actively engaged in catalyzing transfer of knowledge and emerging technologies from academia to industry. CR leverages the power of multiple-society connect initiatives to catalyze cross-disciplinary learning avenues and cross-cultural solution building. Corporate Relations aims to foster a sustainable environment for innovation, promotion of entrepreneurship, and towards building a responsive ecosystem to meet these demands in the global marketplace catering to various worldwide industries.

The following organizations contributed CSR funds for various research projects:

1. Dholera Industrial City Development Limited (DICDL) Gujrat, entered into an agreement and funded three research projects to the tune of ₹2.3 Crore related to Road pavement, Geothermal and Piezoelectric energy harvesting.
2. Michael and Susan Dell Foundation - Dell Foundation supported the students with mobile internet and device connectivity. The funding was to the tune of ₹70 Lakhs.
3. Agilent – ₹ 50 Lakhs towards COE Pharmaceutical technology.
4. Micron Technology India - As a part of their CSR activities, Micron Technology provided funding for one of IIT Delhi's projects on COVID-19. The project uses AI techniques for detection of COVID19 patients from X-Ray and CT Scan images.
5. Global Vectra Helicorp Ltd gave scholarship of ₹18.58 Lakhs to support economically weak students and girl students.
6. Resil Chemicals – ₹18 Lakhs toward SMITA research lab to develop sustainable and innovative solutions for the society.

7. Springer Nature has extended support in setting up office of Accessible Education. The main objective of the office is to ensure equal opportunities in all aspects to every student with disability (SwD) on the campus. The office will be providing various resources and appropriate services to the students. Springer has agreed to contribute ₹7 Lakhs to start with, under their CSR initiative.
8. Cookson India Pvt. Limited – ₹5.5 Lakhs for scholarship for meritorious students.
9. Northern Benevolent Fund - Contributed CSR grant for doing research projects in the areas of urban water management to address water security of NCT Delhi and screening and identification of potential therapeutic molecules against COVID-19.
10. Tower Research Capital had associated with IIT Delhi to set up a merit scholarship for undergraduate students under their CSR programme. The objective is to give scholarship for students entering in 3rd & 4th year undergraduate students of ₹2 Lakh per student which will be used to support tuition fees per academic year. They will be evaluated on 2nd year and 3rd year performance to avail scholarship.

Following collaborations have been established in the healthcare domain:

- i) TCS – ₹32.62 Lakhs for pharma project.
- ii) Sam Circle – ₹20.22 Lakhs for Pancreas cancer detection through imaging.
- iii) Unilever – ₹25.42 Lakhs for Investigating the mechanism of inactivation of non-enveloped viruses using biochemical and in-silico approaches.

An inaugural online event in collaboration with JETRO (Japan External Trade Organization) was organized on 18th November, 2020. More than 150



participants from various Japanese companies witnessed this event. It introduced IIT Delhi to Japanese Industry/Businesses and extended co-operation/partnership in specific areas/domains etc. This event was a precursor to December 2020 event themed around the automotive sector and provided deep insights in cutting-edge research work happening in IIT Delhi around Autonomous Electrical Vehicle Technologies, AI/connected cars, security, and IoT. The association was further leveraged through another online initiative themed around the Healthcare sector on February 5th, 2021 in the areas of Medical Devices, Vaccine Development, Imaging, Biotherapeutics etc.

Research and Innovation Park: Corporate Relations has been spearheading the ongoing invitation drive extended to corporates for investing in research and innovation park at IIT Delhi and educating them about the world-class infrastructure having facilities for design and development of advanced and potential for co-creating disruptive & innovative technologies. This has indeed garnered lot of interest which is amply visible in the successful conversions like DS Group, Clensta, DUV Healthcare etc.

The UQIDAR Industry Connect Workshop on Biotechnology & Bioinformatics was held on 9th September 2021 at IIT Delhi. Corporate Relations office amplified the hybrid workshop's reach and impact which witnessed more than 95 delegates participated in the workshop in Virtual mode and around 25 delegates participated in Physical mode. The Workshop focused on following four broad topics: Medical devices and diagnostics; Therapeutics and Personalized Medicine; Biomanufacturing; and Artificial Intelligence and Data Science in Biotechnology.

World's No.1 Fertiliser Cooperative IFFCO's (Indian Farmers Fertiliser Cooperative Limited) research & development unit, Nano Biotechnology Research

Centre (NBRC) signed a MOU with IIT Delhi for Research Consultancy, Knowledge Transfer and Collaborative Projects on Tuesday, 20th July 2021. Corporate Relations office is working closely with IFFCO and IIT Delhi faculties, who have expressed interest to collaborate on some of the topics of mutual interest.

JK Paper, the pioneer of branded paper in India, signed MoU with IIT Delhi for setting up JK Paper Centre of Excellence in Paper and Packaging. The CoE will bring synergy and coherence in the activities being carried out at the Institute in this domain. Under the CoE umbrella, apart from multitude of sponsored research project, there will be executive development programme, expert lectures, training and knowledge transfer and other projects of mutual interest.

INFRASTRUCTURE DEVELOPMENT

The grants and funds are utilized in continuous upgradation of the Institute's infrastructure, be it academic blocks, research infrastructure, residential facilities or recreational facilities for the residents of the Institute campus. Infrastructure development is a long continuous process, many of the current projects were taken up a few years back and in their different stages of completion. Some of the major activities are highlighted below:

1. Infrastructure development activities carried out during the period:

- Renovation work in various laboratories, rooms and offices (more than 100 Nos.) have been executed in the academic area.
- Renovation work of senate hall, seminar hall, Accounts and Academic Sections are in progress and likely to be completed by November, 2021.

2. Activities under HEFA

The infrastructure development activities carried out



in campus under HEFA are as follows:

- Construction of boys hostel, having student capacity of 896 Nos. rooms. This project is funded by HEFA for an amount of ₹84.34 Crore. This project will be completed by November, 2021.
- Construction of girls hostel, having student capacity of 320 Nos. rooms. This project is funded by HEFA for an amount of ₹39.25 Crore. This project will be completed by December, 2021.
- Construction of 99B & 99C buildings, having area of 67778 sqm. This project is funded by HEFA for an amount of ₹238.21 Crore. This project will be completed by March, 2022.
- Construction of sports complex building, having area of 3,510 sqm. This project is funded by HEFA for an amount of ₹12.19 Crore. This project will be completed by November, 2021.
- Construction of faculty house building (Avanti), having area of 28,400 sqm. and with 154 Nos. faculty flats. This project was funded by HEFA for an amount of ₹101.11 Crore. This project was completed in March 2021.
- Construction of Nalanda Apartment Phase-II. This work has been assigned to M/s. NBCC and is likely to be started in January 2022. This project is funded by HEFA with cost of ₹35.36 Crore.
- Procurement of equipment for CRF building Sonipat. This project is funded by HEFA with cost of ₹65.00 Crore.

3. Major projects completed and undertaken during the period:

- Construction of RI Park, having area about 30,000 sqm. with two tier basement. This work was completed in March 2021.
- The following projects have been undertaken

and presently these projects are under planning stage with M/s. RITES.

1. Construction of boys hostel by dismantling IP Apartment blocks with tentative cost of ₹149 Crore (IoE funded).
 2. Construction of Academic block - 103 with tentative cost of ₹166.00 Crore (IoE funded).
 3. Construction of C-Type houses with tentative cost of ₹9.37 Crore.
 4. Construction of faculty houses with tentative cost of ₹84.24 Crore (IoE funded).
 5. Construction of girls hostels by dismantling 3 Nos. type IIIA Blocks (24 Houses) in east campus with tentative cost of ₹100 Crore (IoE funded).
 6. Construction of SATHI Building at Sonipat, with cost of ₹59.73 Crore. The work is in progress and to be completed in June 2022 (IoE funded).
 7. Construction of PEB/Light gauge structure over existing building with cost of ₹37.21 Crore. The work is in progress at all the four sites and likely to be completed in March 2022 (IoE funded).
- ### **4. The following proposals are under consideration:**
- Construction of boundary wall around the campus. This work assigned to M/s. NBCC with projected cost of ₹20 Crore.
 - Augmentation of existing services and utilities in campus with the projected cost of ₹100 Crore. The work of water supply line augmentation is in progress and is in Planning Stage.
- ### **5. Other activities:**
- The Open Gym equipment in sports ground was inaugurated by Hon'ble Member of Parliament



Smt. Meenakshi Lekhi on 14.02.2021. The open Gym equipment have been provided at six locations in campus from MP funds.

- The proposal and design of work of art for various buildings have been received and one proposal is at final stage for IT Building.

FACULTY ACHIEVEMENTS

IIT Delhi is backed up by a strong research community, led by a faculty strength of 586 members. It is complemented by an additional research and academic staff of 118 members that includes 79 postdoctoral fellows. With the current sanctioned strength of 776 members, the Institute aggressively looks to expand this strength in a phased manner in the next few years. In the last year, the Institute has made offers to 55 new faculty members and 40 of them have already joined the Institute.

Institute is actively encouraging recruitment of foreign faculty members and Professors of Practice in the academic units.

Our faculty members are among the finest in the country and are recognized internationally for their quality of research, teaching and curriculum development. They also contribute greatly for the development of the nation by being associated with a large number of decision-making bodies, providing crucial guidance and advice on policy matters and technical issues. Our distinguished faculty colleagues continue to make a difference to the world of Science, Engineering, Humanities and Management and continue to earn recognitions and awards which bring glory to the Institute. Many of them have been bestowed with honors, awards and elected as Fellows of several professional national and international bodies during the last one year. Some of the notable recognitions received by our faculty in the last one year include the following:

- Prof. Arpan Kumar Kar, Department of Management Studies received the Clarivate India Research Excellence – Citation Awards 2021 (Web of Science) for securing the Highest Individual Citations in the Social Science and Interdisciplinary Sciences Category.
- Prof. B.K. Panigrahi, Department of Electrical Engineering and Bharti School, has been elected as a Fellow of the National Academy of Sciences, India (NASI), Allahabad. He has also received the IETE Bimla Bose Award, 2021.
- Prof. Subrat Kar, Department of Electrical Engineering and Bharti School, has received the IETE B.V. Baliga Memorial Award, 2021. He has also received the Pundit Deendayal Upadhyay Telecom Award.
- Prof. Swades De, Department of Electrical Engineering and Bharti School, has received the Abdul Kalam Technology Innovation National Fellowship.
- Prof. A.K. Keshari, Department of Civil Engineering, received the Environmental Excellence Award 2021 from Environment and Social Development Association during the World Environment Summit, 2021 (1-3 October 2021), New Delhi.
- Prof. Shilpi Minocha, Kusuma School of Biological Sciences, has been selected for the Ramalingaswami Re-entry Fellowship Award. Prof. Anita Roy has been selected for the Wellcome-DBT Alliance Grant. Professor Manidia Banerjee has been selected for the SERB-POWER Fellowship.
- Prof. Lakshmi N. Ramasubramanian, Department of Materials Science and Engineering, received the INSA Medal for Young Scientist 2021.
- Prof. Josemon Jacob, Department of Materials



Science and Engineering, received the Lam Foundation's Unlock Ideas Programme 2021 research grant award for the development of thin-film thermal insulators.

- Prof. Parag Singla, Computer Science and Engineering, received KnowDis Machine Learning Award.
- Prof. Smruti Ranjan Panda, Computer Science and Engineering, received the Qualcomm Faculty Award.
- Prof. Jayadeva and Prof. I.N. Kar, Electrical Engineering, have been elected as Fellow of the Indian National Academy of Engineering (INAE). Prof. Jayadeva also received the IETE Ram Lal Wadhwa Award, 2021.
- Prof. Bhim Singh, Electrical Engineering, received the International Solar Alliance Kalpana Chawla Award, Eminent Engineer Award for the year 2020, INAE Outstanding Teacher Award, 2020 and IEEE IAS Outstanding Educator/Mentor Award.
- Prof. Manan Suri, Electrical Engineering, has been elected as Associate of the Indian Academy of Sciences, Bangalore.
- Prof. N.K. Gupta, Department of Applied Mechanics, has been awarded the prestigious DRDO Academic Excellence Award.
- Prof. Santhosh Kapuria, Department of Applied Mechanics, has been selected as Chairman of INSA National Committee for International Union of Theoretical & Applied Mechanics.
- Prof. K. Sreenadh, Department of Mathematics, has been elected as a Fellow of The National Academy of Sciences, India (NASI).
- Prof. Mani Mehra, Department of Mathematics, has been selected for the SERB Power Fellowship.
- Prof. Debdip Ganguly, Department of Mathematics, has been awarded the INSA Young Scientist Award for the year 2021 in the Mathematical Sciences Category.
- Prof. K.K. Pant, Chemical Engineering, has been elected as Fellow of INAE, NASI and Indian Desalination Association.
- Prof. M. Haider Ali, Chemical Engineering, has been selected as a Member in Indian National Young Academy of Sciences. He has also received HPE's Dr. A.P.J. Abdul Kalam Award for R&D in HPC Applications in India.
- Prof. V.K. Vijay, Centre for Rural Development & Technology, received the India Green Energy Award, 2020 from Indian Federation of Green Energy under the category Outstanding Green Energy Activist – Individual.
- Dr. Nabi Hasan, Librarian, received 2021 Engineering Librarian of the Year Award (SLA-USA). Mr. Shankar B. Chavan, Assistant Librarian, received SLA Asian Information Professional Award 2021.
- Prof. V. Ramgopal Rao, Director, delivered Prof. C.S. Jha Memorial Lecture on 20th December, 2020 at the 35th Indian Engineering Congress organized by The Institution of Engineers (India).
- Prof. Virendra Kumar Vijay, Centre for Rural Development and Technology and Prof. Suddhasatwa Basu, Department of Chemical Engineering, have been elected as Fellow of International Association of Advanced Materials (FIAAM).
- The innovation of Plant Based Mock Egg developed by Prof. Kavya Dashora, Centre for Rural Development and Technology have been secured first prize at innovate4sdg contest of United Nations Development Programme



(UNDP). According to UNDP, 'the mock egg innovation to be a perfect innovation that will help in accelerating progress towards the SDGs'.

- Prof. Mukesh Khare, Department of Civil Engineering has been nominated as Full-Time member of the Commission on Air Quality Management in NCR and Adjoining Areas by the Government of India.
- Prof. Rajendra Singh Dhaka, Department of Physics has been selected for the "IPA Satyamurthy award 2020" in recognition of outstanding contributions to the growth of Physics in India by way of research, applications and other activities.
- Prof. Ashok K. Ganguli, Department of Chemistry has been selected for SASTRA-CNR Rao Award in Chemistry & Materials Science for the year 2021. The award carries ₹5 lakh and a citation.
- Prof. Neetu Singh, Centre for Bio-medical Engineering has been selected for the Janaki Ammal National Women Bio-scientist Award 2020.
- Prof. (Ms.) Deepti Gupta, Department of Textile & Fibre Engineering has been selected for DBT-Biotech Product Process Development and Commercialization Award-2019-20.
- Prof. Vasant Matsagar, Department of Civil Engineering has been elected as Fellow, Indian Society of Earthquake Technology. He has also received the "CDRI Fellowship, 2021" from the Coalition for Disaster Resilient Infrastructure (CDRI).
- Prof. Amit Mehndiratta, Centre for Biomedical Engineering has received the "Technology Translation Award (TETRA) 2021" from the Science and Engineering Research Board (SERB).
- Prof. (Ms.) Reetika Khara, Department of Humanities & Social Sciences has been selected for the "Malcolm Adiseshiah Award 2021".
- Prof. Madhuresh Sumit, Department of Bio-chemical Engineering & Biotechnology, has been recognized with the Martin Sinacore Outstanding Young Investigator Award (2021). This award recognizes young scientists (0-5 years post-Ph.D.) for their contribution to the field of upstream bioprocessing. It is awarded during the Cell Culture Engineering (CCE) conference that occurs biannually.
- Prof. P. Senthilkumaran, Optics and Photonics Centre, has been selected as a distinguished fellow by the Optical Society of India, in recognition of my distinguished service and valuable contribution to optics.
- Prof. Ayan Bhowmik, Department of Materials Science and Engineering, has been elected a Fellow of Institute of Materials, Minerals and Mining, a UK-based professional engineering materials institution.
- Prof. Samrat Mukhopadhyay, Department of Textile and Fibre Engineering, has been selected for the Late Hariram Chimandas Punjabi NSS KARAMVEER AWARD - An award dedicated to NSS Programme Officers (College Level) for their seamless execution.
- Prof. (Ms.) Nidhi Jain, Department of Chemistry, has been selected for the CRSI Bronze Medal for the year 2022 in the recognition of her contributions to research in chemistry.
- Prof. Sreedevi Upadhyayula, Department of Chemical Engineering has received the Golden Peacock Award 2021, Petroleum Refinery on behalf of Corporate R&D centre BPCL for "K Model".



- Prof. Sukumar Mishra, Department of Electrical Engineering has been conferred the INAE Outstanding Teachers Award.
- Prof. Surendra Prasad, Department of Electrical Engineering has been conferred the Professor S.N. Mitra Memorial Award 2021 of the Indian National Academy of Engineering (INAE).

HUMAN RESOURCE DEVELOPMENT

Staff recruitments have been carried out at different levels during the period as per the Recruitment Rules of the Institute to support and strengthen the departments centres, schools and administrative units with suitable manpower in their teaching, research and administrative activities. Out of the 854 sanctioned staff strength, 552 employees are in position. Around 25 Staff members were deputed for training in their specialized areas to upgrade and update their subject knowledge. Under the Shikhar Scholarship Abhiyan, 2020-2021, eligible children of Institute's employees were provided with scholarships as per the guidelines.

Under the ERP, new modules have been incorporated for various administrative activities including service record entries, Annual performance appraisal, serving joining formalities and also retirement related matters. Academic activities have also been strengthened under ERP.

IIT Hospital Administration and Security Unit extended excellent support and guidance to the Institute during the Covid situation. Many Covid testing camps were organized for the benefit of the campus community. RTPCR sample collection facility and Rapid Antigen Testing facility have been established in the campus. Covid vaccination camps were also organized. Our alumni and others supported and donated oxygen concentrators and other equipment for treatment of Covid patients.

Teleconsultation, online processing of medical reimbursement claims, online Covid reporting and monitoring system etc. have been introduced. An outsourced Apollo Pharmacy has been established in IIT Hospital.

Sansthan Incentive Awards and Sh. Ram Rishi Singh and Smt. Malti Singh Memorial Staff Cash Awards for the year 2020 were awarded. **Outstanding Employee Award** – Smt. Dimple Hindwani; **Sansthan Incentive Awards** – Sh. Narugopal Kuli (Chemistry), Sh. Vijay Kumar (Physics), Sh. Somvir (Physics), Smt. Sushma Vats (Office of the Director), Sh. Rakesh Kumar Garg (Applied Mechanics), Sh. Rajneesh Agarwal (Audit), Sh. Santosh Kumar (Himadri Hostel), Ms. Preeti Parihar (Accounts) and Sh. Narender Kumar (Electrical Engineering); **Sh. Ram Rishi Singh and Mrs. Malti Singh Memorial Staff Cash Awards** – Sh. Vikas Khatkar (Textile & Fibre Engineering) and Sh. Amit Kumar (Civil Engineering).

Hearty congratulations to the awardees.

CENTRAL LIBRARY

Shibboleth based Access Management System has been strengthened and is used to provide remote access to e-resources to all the users outside of the campus, using Kerberos credentials. All ICT based library services migrated to Cloud BAADAL, making it easy to access the resources. The Central Library hosted the Virtual Book Exhibition during February - March 2021 and Physical Book Exhibition during February 25-26, 2021.

The Central Library conducted more than 25 programs for its users/professionals for increasing the usage of the resources and to support teaching, research and extension activities, including collaborations. The library successfully completed the second edition of the 16 weeks' Faculty



Development Programme (FDP/ARPTI MOOCs Course) - ETTLIS (Emerging Trends & Technologies in Library & Information Services, MoE, Govt. of India) with 3187 Learners.

Many New E-Resources were added to support teaching, learning and other academic activities of the Institute. The Central Library has also renovated the Computer Lab for the users. The library hosted many internal seminars/webinars as part of the staff recharge programme, delivered by the library interns and staff members.

TRAINING AND PLACEMENT

Major functions of the Office of Career Services, which is an important facilitation activity centre, includes arranging practical in summer trainings, inviting and involving industries and organisations of repute with the aim of providing world class job opportunities to undergraduate and postgraduate students for suitable jobs in the industry and various private and public sector organisations. OCS also organizes pre-placement workshops, panel discussions, practice tests, and career counselling talks by distinguished personalities from reputed technical, industrial, management and research organisations for the benefit of the students.

During the academic year 2020-21, summer training requisitions were obtained for 286 training profiles with selections on 782 profiles. Training selection processes were smoothly conducted with 609 students placed over a total of 524 training seats. Many of these seats were with stipend and other facilities as well. This vigorous drive resulted in job requisitions being obtained from industries from 422 Companies for 626 job profiles with selections on 373 profiles. 943 students were placed while a total of around 1100 job offers were received. 150 Pre-Placement Offers were received by students

and 723 students got more than one job offer by the Institute including OCS and DMS placements. Approximately 80% students who availed T&P/DMS services got placed. The remaining opted for higher studies/research or are preparing for civil services or are working on their own startup ideas or got jobs through their own contacts/efforts.

For academic year 2020-21, due to COVID19 situation, all the processes were conducted in an online mode till students return to campus. Online live sessions and workshops were organized on various online platforms like Youtube, Microsoft Teams, Zoom, etc of orientation programmes for students briefing them on the process and policies to be followed for Summer Internship and Placement and many virtual sessions, placement preparation and readiness sessions were organized for the students. A company engagement program named Yukti 2021 was conducted to build corporate relationships with events like Placement and Internship Fair, Guest Talks, Virtual industry tours, etc. To enhance placement readiness of students, many activities were organized virtually like Aptitude tests, data structure tutorials, interviews preparatory sessions, webinars on CAT, UPSC, higher education preparation, etc. to impart skills, training, knowledge for their tests and interviews. Many of these information sessions, expert talks were held in collaboration with industry leaders and IIT Delhi Alumni Association to impart training to our students. This also aimed to sensitize the students to enable them to make more informed career choices.

STUDENT AFFAIRS

Apart from academics and research, our student community is vibrant and organizes and participate in various extracurricular activities through Student Affairs Council that includes Hostel Management, Recreational & Creative Activities, Sports Activities,



Student Publications and Student Welfare. Interested students have opportunity to be involved in National Service Scheme (NSS), National Cadet Corps (NCC) and Student Counselling Service.

Three new fully air-conditioned hostels, viz., Dronagiri, Saptagiri and Sahyadri, will be completed by the end of this year, which will greatly help the Institute to manage the shortage in the accommodation for students. These hostels will accommodate a total of 1200 students in single seater AC rooms.

Provision of flexible messing for students will be implemented soon which will help them to choose as per their choice and enjoy different foods cuisine in different messes within the campus.

The activities of various clubs under BRCA were organized online. Students actively participated in various activities.

Board of Hostel Management (BHM), IIT Delhi will be launching its first-ever official website soon which will provide all the details of the facilities, services, mess schedules, bus schedules, contact details of the wardens, caretakers and other staff, accomplishments of each hostel etc. under one roof.

Counselling and medical support were extended to students during Covid situation. Sensitization trainings and mental wellness sessions were organized for the benefit of the students. Hostels were equipped with gadgets, sanitizers, disinfectants and other necessary materials. Transit home isolation facility has been created to accommodate and treat students tested covid positive till they are shifted to government covid care centres as per the protocol.

Students who face difficulty in online learning at home are allowed onboarding in the campus. So far around 3000 students have onboarded and activities are being restored in phases. All covid related

policies and activities are decided and implemented by the Covid Monitoring Committee at Institute level under the Chairmanship of Deputy Director (Strategy & Planning).

INTERNATIONALIZATION

To boost the diversity, exchange and internationalization among the student community, Institute is taking major steps. IIT Delhi has signed a total of 14 academic and research MoUs with foreign universities and governments this year.

Online meetings were held with partner universities and institutions from around the world. A few international visitors and delegations also visited the Institute during this period. Some of these visits are highlighted below:

1. A 2-member delegation led by Prof. Jacob Opadeyi, Special Project Officer (former Vice Chancellor of University of Guyana) from Guyana visited on 3rd December, 2020.
2. Cultural attaché Dr. Khader (Iraq Embassy) visited on 1st April, 2021.
3. A 3-member delegation from Indiana University, Bloomington visited on 9th September, 2021.
4. A 2-member delegation from Financial University under the Government of the Russian Federation visited on 1st October, 2021.
5. H.E. Mr. Emmanuel Lenain, Ambassador of France visited on 28th September, 2021.
6. A 4-member delegation from Tribhuvan University Nepal visited IITD on 31st March, 2021.
7. The Danish Ambassador in India, HE Freddy Svane visited on 1st March, 2021.
8. A 3-member delegation from Tapei Economic and Cultural Centre (TECC) visited on 13th April, 2021.



IIT Delhi currently has about 120 international post-graduate students from more than 38 different countries. Most of these students left for their homes during the pandemic. In view of the cancellation of student exchange programs and with the aim of providing a forum to our students to exchange ideas and views with counterparts from abroad, the international office organized student led engagement activities with partner universities.

IIT Delhi and Newcastle held a joint student-led virtual event focusing on sustainability challenges in the UK and India. The event saw the participation of 6 students from each university, who worked together as a team and inculcated their different cultures / experiences to deliver presentations based on the differences as well as the similarities in sustainability challenges faced by both countries. Newcastle also invited IITD's first- and second-year students of IIT Delhi to participate in the Newcastle University SDG Challenge the winners of which will attend a virtual Global Student Sustainability Conference, hosted by Newcastle University in March 2022. Similar such student engagement activities are planned with the University of Waterloo, Canada and the University of Brunei, Darussalam.

During the Afghan crisis, IIT Delhi stood in solidarity with our students and alumni from Afghanistan. We launched a helpline on which our students from Afghanistan could get in touch with us for any help that they needed and which we could provide.

Working together with the Academics office, IIT Delhi has also opened the Ph.D. admission process for candidates from Afghanistan and is accepting and processing applications on a rolling basis.

IIT Delhi signed an MoU for collaborative research and student exchange with the Hebrew University of Jerusalem, Israel. IIT and HUJI have also launched a seed fund for supporting collaborative research

between faculty members at the two institutions. This marks an important milestone in our efforts at partnering with the top universities from around the world.

ALUMNI AFFAIRS

IIT Delhi lays great emphasis on interaction between the alumni and their alma mater. We are proud of our alumni and their achievements. The success of the alumni is one of the most important yardsticks by which we measure our achievements. The Alumni are a very valuable resource for the Institute, and increasingly, they have started to make a difference to the way things are done at IIT Delhi. The Alumni have directly contributed for instituting Chair Professorships, Young Faculty Incentive Fellowships and Student Awards and even for Infrastructure Development. The Institute has garnered excellent support for its vision and mission from its Alumni during the year.

Mr. Anant Yardi, President and Founder of Yardi Systems, and an alumnus of IIT Delhi (B.Tech./ME/1968) has agreed to gift USD 10 Million to IIT Delhi. Yardi Systems, founded in 1982 by Anant is a leader in real estate asset and property management solutions and the largest real estate software provider in North America.

Mr. Yardi's gift would enable IIT Delhi to create state-of-the-art laboratories and attract talented students and researchers to its newly-established School of Artificial Intelligence. The School of Artificial Intelligence (ScAI) was set up by IIT Delhi for the express purpose of expanding opportunities for fundamental, and inter-disciplinary research, innovation and post-graduate education in Artificial Intelligence, Machine Learning, and Data Science technologies. The generous gift will catalyse cutting edge research in AI and related areas and propel ScAI and IIT Delhi in their quest for building



better solutions for the benefit of our Society, Industry and Nation.

Chairs

One of the areas where we have been able to move forward significantly in this last year has been in getting 14 endowed chairs established at the Institute for research and teaching. These chairs were setup by contributions received from various alumni of the Institute and will support research in various area of science, engineering, and public policy.

IIT Delhi Alumnus Mr. Saurabh Mittal endowed Chairs in Honour of Prof. G.S. Visweswaran and Prof. Manoj Datta. The Chairs aim to support Research in Microelectronics & VLSI Design and Geotechnical & Geo-Environmental Engineering.

Scholarships

Several merit-cum-means scholarships were set up with most of them providing half the tuition fees (₹1,00,000) to students with family income less than ₹9 lakhs per annum.

In addition, a named scholars programme “The Mittal Renaissance Scholars Programme” has been established. The programme aims to identify and encourage well rounded undergraduates who exemplify the Renaissance man/woman and hopes that these scholars would play a leading role in the growth and development of the country. The Mittal Renaissance Scholars (MR Scholars) will be provided a scholarship of ₹1.5 lakh per annum for up to two years. 10 students would be chosen each year in this programme.

Awards

Over a dozen awards have been set up to promote academic excellence among undergraduate and postgraduate students. Of these 3 awards are for

best Ph.D. thesis in specific areas and many of these awards were set up by superannuated faculty of the Institute.

TechToks: an Alumni Talk Series

Alumni Affairs at IIT Delhi has launched an alumni talk series. The talks, which will be accessible to STEM students and graduates, will aim to (re)ignite a love for Science and Engineering and connect us to the rapid technological advancements we see in the world around us. Speakers would be drawn from our very strong alumni base and faculty.

The inaugural talk in the series was held on 2nd October 2021 and was given by Arvind Jain, CEO Glean, Co-founder Rubrik (B.Tech./CS/96) on “An engineer’s journey into entrepreneurship”. Dr. Amit Sinha, President & CTO of Zscaler (B.Tech./EE/94) delivered his talk on 6th November 2021 on “Zero Trust Based Cybersecurity for Enterprises in a Cloud and Mobile World”.

Other Alumni Events

Mr. Vikram Gupta (B.Tech./93/Chemical), Founder and Managing Partner IvyCap Ventures and Prof. Smita Kashiramka, Associate Professor, IIT Delhi had a lively discussion on “financial skills required by entrepreneurs” on 29th January, 2021. The discussion was moderated by an Alumna Dr. Anju Gupta, Co-founder & President, IvyCap.

Launch of new Giving website (UnlimIITD)

Alumni Affairs has launched a “Giving” site unlimIITD. iitd.ac.in. The website has been launched to inform donors about various causes which they can support at IIT Delhi. These include student scholarships, awards, Chairs, support for laboratories, academic units, clubs and various other activities, the IITD endowment fund, hostels etc. Integration with multiple online payment gateways in India and US makes it



very easy for donors to make their contributions to the causes that are most dear to them. The site is already in active use for crowd funding of awards and scholarships by different batches of alumni.

IIT Delhi Endowment Fund

After the launch of the IIT Delhi Endowment Fund in October 2019, the Institution on 18th February, 2021 opened its doors to the new office of the Endowment Management Foundation. Centrally located, the EMF office will provide a distinct showcase of how the contributions of its distinguished alumni are supporting the advancement and realisation of the Institute's aspirations for the future.

Overview and Highlights of the IITD Endowment Fund

1. ₹16 Crores contributions received from alumni during 1st November, 2020 to 31st October, 2021 in the IIT Delhi Endowment Fund. Apart from this, under the category of special causes, ₹10 Crores was raised from founders and ₹4.21 Crores from other Alumni.
2. Cumulative contributions to Fund till date is ₹64.24 Crores. Outstanding pledges are about ₹182.85 Crores + ₹75 Crores from Yardi = 257.85 Crores.
3. Fund raising campaign "Diamond Anniversary" contribution drive has been activated. Campaign focused on class funds and for contributing towards various causes through pledges over a period of five years. This campaign has been integrated with new UnlimIITD website, facilitating communications, with a secure on-line pledging/fundraising platform.
4. Establishment of the annual "Endowment Merit Scholarships" and the annual "Endowment Seed Funding" Award have been approved by the Board.

ALUMNI AWARDS

IIT Delhi lays great emphasis on a strong and vibrant relationship with its alumni. The Institute is proud of its alumni and their achievements. The Institute recognises the outstanding contributions made by the alumni in various areas by conferring the Distinguished Alumni Awards, Distinguished Alumni Service Awards, and Graduates of Last Decade (GOLD) Awards to recognize their achievements and outstanding contributions to academics, business, profession and/or public service.

Distinguished Alumni Awards

This year the Distinguished Alumni Award will be conferred on the following:

Teaching & Research: Dr. Lov K. Grover, B.Tech. in Electrical Engineering, 1981, Independent Res:earcher; Prof. Somesh Jha, B.Tech. in Electrical Engineering, 1985, Professor at the University of Wisconsin (Madison); and Prof. Nandini Trivedi, M.S. in Physics, 1981, Professor at the Ohio State University.

Entrepreneurship: Mr. Hitesh Oberoi, B.Tech. in Computer Science & Engineering, 1994, Co-Promoter, MD and CEO of Info Edge India Limited; Mr. Kapil Bharati, B.Tech. in Mechanical Engineering, 2000, Chief Technology Officer and Co-Founder, Delhivery.

Corporate Leadership: Dr. Satish Kumar Singh, B.Tech. in Chemical Engineering, 1981, Vice President, Drug Product Development at Moderna Therapeutics.

Distinguished Alumni Service Awards

This year, Distinguished Alumni Service Award will be conferred on Mr. Sandeep Singhal, B.Tech. in Chemical Engineering, 1992, Co-Founder and Managing Director of WestBridge Capital.



Graduates of Last Decade (GOLD) Awards

This year, the Graduates of Last Decade (GOLD) awards will be conferred on the following:

Teaching & Research: Prof. Deepak Vasisht, B.Tech. in Computer Science & Engineering, 2013, Assistant Professor, University of Illinois; and Dr. Divya Gupta, M.Tech. in Computer Science & Engineering, 2011, Senior Researcher at Microsoft Research India.

Entrepreneurship: Mr. Vidit Aatrey, B.Tech. in Electrical Engineering, 2012, CEO and Founder, Meesho; and Mr. Sanjeev Barnwal, B.Tech. in Electrical Engineering, 2012, Founder and CTO, Meesho.

I congratulate all the awardees on behalf of the Institute.

ACKNOWLEDGEMENT

I would like to acknowledge the support received in abundant measure from the Ministry of Education, the various sponsoring agencies, the collaborating industries, institutions and alumni. I personally acknowledge the support and encouragement I have received from the Members of the Board of Governors, and from all my colleagues, and extend my appreciation to the students for their exemplary behaviour and their contributions towards enriching the campus life.

Finally, I conclude by conveying my heartiest congratulations and best wishes to each one of the 2117 graduates receiving their degrees and diplomas, and the 103 graduates receiving the awards/medals/cash prizes for their special

achievements at the 52nd Convocation of the Institute.

We are confident that your stay with the Institute has enabled you to continue the process of lifelong learning and to take up challenging careers. We are also confident that you will provide the leadership the country and the world expects from you. We wish you success in whatever you choose to be. Keep in touch with your alma mater, support it in whatever way you can, and keep the IIT Delhi flag flying high. I am sure that you would work for a better world where science and technology are used in socially responsible ways, and in harmony with the nature. We wish to see you become job providers and not remain as job seekers forever. Institute will always be your second home. After your parents, it will be the Institute which will cherish your successes. Do not also forget that your education here was subsidized anywhere from 100% to 70% from the tax payer's money, the money that could have gone to provide food for a hungry child. You need to pay back your debt at some point in time. That is the only way India can nourish and sustain excellence in her higher educational Institutions.

I once again thank our Chief Guest, Ms. Padmasree Warrior, Chairperson, Board of Governors, Dr. R. Chidambaram, and all the distinguished guests for being with us on this solemn occasion.

Thank you.

Jai Hind.

Prof. V. Ramgopal Rao

Director, IIT Delhi

November 13, 2021



Address by Chairperson, Board of Governors

Chief Guest Ms. Padmasree Warrior, also our distinguished alumna, Professor Ramgopal Rao, Director of IIT Delhi, distinguished members of the Board of Governors, members of the Senate, faculty and staff of IIT Delhi, invitees, guests, parents, and my dear young friends who are graduating today:

On behalf of the Board of Governors, it gives me immense pleasure to extend a very cordial welcome to our Chief Guest of this function. As the Director Prof. Ramgopal Rao mentioned, Forbes has named Ms. Warrior as one of “The World’s 100 Most Powerful Women” for several years. This is an example of how very well professionally IIT Delhi alumni are doing, both in India and abroad – when abroad, I am very glad that they are keeping strong links with their *alma mater*.

The IIT system has, as we all know, a very high global brand equity; and among the IITs, IIT Delhi is ranked at the top. We have world-class faculty, who continue to get recognitions from within India and abroad. We have leading research workers in IIT Delhi in various advanced research areas in the engineering sciences and others, ranging from pure sciences to Artificial Intelligence.

We need close interaction among our academic institutions mission-oriented agencies and other national labs. This is being achieved by IIT Delhi, credit for this goes to the leadership provided by

Prof. Ramgopal Rao. In this context, I am very happy that Defence Research & Development Organization has set up a Centre in IIT Delhi.

IIT Delhi also has many MoUs with international academic institutions. You heard about the UQIDAR programme with the University of Queensland. To get the quickest access to the latest knowledge in science and engineering, international links are essential, which are in fact mutually beneficial; the international partners are also happy to have links with IIT Delhi. These links are facilitated by optical fibre networks like India’s National Knowledge Network.

India of our dreams, particularly of young people like you, is an India which is **economically developed** – where the Human Development Index is high; an India which is **scientifically advanced**, with a **Knowledge Economy**, and an **RDI Ecosystem**, with excellence in basic research, applied research, technology development, R&D-led Innovation, backed by high-quality manufacturing skills. We also want an India which is militarily strong. In all these areas, IIT Delhi is contributing in exceptional measure.

You, young people, who are graduating today must also have an appetite **for risk-taking**. As Phil Rozenweig says in the book ‘*This Idea is Brilliant*’, edited by John Brockman 2018: “*When it comes to technological breakthroughs or launching new*



products, it is better to act and fail than fail to act.” Talking of ‘Risk & Poverty Trap’ Prof Abhijit Banerjee (Nobel Laureate in Economics) also says: “Poor people take up low risk-low return projects because they fear the risk. So they remain poor.” The same is true for Research.

Online learning initiatives have seen a massive surge during the covid pandemic. I am very happy that, at IIT Delhi, more than 1400 courses have been digitized in the last 18 months. Under the e-VIDYA initiative, jointly with 5 ed-tech companies, over two

dozen online certificate programmes have been launched.

After the degrees you get today, you young people will start a new chapter in your careers, pursuing research, or acquiring additional academic qualifications, or in industries. Some of you may start your own enterprises. I wish you all the best in your future careers, as you go forward with self-belief, optimism and passion.

Thank you and Jai Hind



Convocation Address

by

The Chief Guest

Ms. Padmasree Warrior

(Distinguished Alumna, IIT Delhi)

(Founder and CEO, Fable, Previously CEO NIO U.S., CTSO Cisco, CTO Motorola Inc.)



“*As my dad told me when I graduated from Indian Institute of Technology Delhi, ‘Eyes on the stars and feet on the ground’*”

Unlock the Power of Technologoy

Honorable members of the Board of Governors, the Director and members of the Senate, distinguished faculty, respected guests, all the amazing students graduating today, families who are watching with immense pride and joy, my dear friends – Namaste and good morning! Hope you and your loved ones are safe and healthy.

It is my great honor to address all of you today at the 52nd Annual Convocation of my alma mater, IIT Delhi. I wish I could have been attending in person at Dogra Hall. Even though I am joining you virtually from Chicago, IL in the U.S., I am there with you in spirit – thanks to the power of technology.

I graduated from IIT Delhi with a degree in Chemical Engineering almost 40 years ago. Yes, that was a long time ago! Even though I graduated years ago, I still remember my days at IIT Delhi like it was just yesterday. That is the magic of this Institution.

To this day, I hang out with my IITD friends reminiscing into wee hours – remembering the escapades during *Rendezvous*, taking long walks from Kailash to the “forbidden city” of boys hostels at the other end of the campus, cramming for tests every week, those panic attacks when you realize you don’t have any notes because you bunked class to go to the movies instead, and the never-ending chai sessions at the canteen to discuss just about anything and everything. IITD is



not only about getting an education, it is about lifelong friendships, about growing up, about preparing for life. Well in my case, it was also about falling in love. My husband of 37 years Mohan Warrior was my classmates at IITD and despite Kailash's imposing walls – I found love at IITD. It's no wonder that IIT Delhi occupies a very special place, not only in my mind, but also in my heart.

Life Lessons

As I reflect on my time at IIT Delhi, I can think of three important life lessons (not counting the Chemical Engineering curriculum, of course) that I learned.

First, the **power of humility**. I came to IIT Delhi from Vijayawada in Southern India where I grew up in a middle-class family. I was 16 years old at that time, and to be honest, I was a bit of a know-it-all (as most teenagers tend to be). I thought I was the smartest person on the planet. But on my first day at IIT Delhi, I realized I was surrounded by people that were much smarter than me. IIT gave me the much-needed gut punch and taught me the power of humility. This is an invaluable lesson in leadership. It is good to be confident as a leader, but you cannot be a know-it-all or have a chip on your shoulder to show off that you have all the answers all the time. To build any organization, a leader must include everyone in their thought process. This is leading with the **power of humility**.

I also learned the **power of community** at IIT Delhi. There were only five women in a class of 250 when I attended IIT. I sincerely hope the numbers for women engineers at IITD are better now! All the women students supported each other, and we built a strong close-knit community of women engineers at IIT and across other engineering colleges. In retrospect, I owe a lot to this community. They gave me the strength to cope with all of the isolation and anxiety that comes with being a minority, being different, and often being the only woman in a room full of men. So, whoever you are – be true to yourself and remember to build a community of support around you. Learn to leverage the **power of community**.

We all know that the curriculum at IIT is tough. It is rigorous (as the professors like to say), but brutal (as the students often call it). This brutal rigor taught me how to problem-solve from first principles – a great skill for engineers and technologists to possess. If you are confident about problem-solving capabilities, you can be successful in any role in any industry, which in turn boosts your self-confidence. This may sound simplistic, but trust me, problem-solving skills come in handy to build resilience in your life. The third life lesson I took with me from IIT is **building self-confidence with problem-solving**.

Today, I imagine you must all be feeling some of the same emotions I experienced when I was graduating from IIT Delhi – excitement, anticipation and maybe a bit of anxiety. And today we are grappling with many new questions such as – *what will post-pandemic life look like?*

Post-Pandemic Life

There's no doubt that Covid-19 turned our world upside down. It made us confront the fragility of life and forced us to create new routines as we learned to cope with lockdowns. While we are all looking forward to ending the human suffering caused by this pandemic – it is important to think about how this pandemic has changed our society. Scientists tell us that imagining and planning for the future can be a powerful coping mechanism in an increasingly unpredictable post-pandemic life. Behavioral and social scientists around the world are trying to provide us with answers to some of these challenging questions.

But one thing is clear, over the past year-and-a-half we saw fundamental structural changes in every industry – from the adoption of telehealth to curbside delivery to the normalization of remote work and digital learning platforms.

During the pandemic, we spent more time caring for each other; we slowed down and parents spent more time home schooling their kids. We focused more on basic hygiene, relearned how to wash our hands, wear



masks in public places, and maintain social distance in gatherings. We prioritized our physical and mental health and learned to appreciate the things we used to take for granted. We proved to ourselves that we are resilient and we can work together as a global society. We treated each other with compassion. Let us hope all of these things stay with us in our post-pandemic life.

Looking forward

The future that we will inhabit will be planned and built by YOU. As technologists graduating from one of top Institutions of Technology in the world, you must ask yourself – *what will you build and how will you lead us into the future with the power of technology?*

The Power of Technology

Technology has always played an important role in our society. Let me now spend a few minutes talking about some key technologies and technology trends that you should watch.

1. Digital transformation

This is an overused term perhaps, but the fundamental premise and impact of digital transformation is profound. In the next decade, literally every industry and every company will be a technology company. This means that we will continue to see an accelerated rate of digitization and virtualization of business and society. However, as we move into the future, the need for sustainability, ever-increasing data volumes, and increasing computation and network speeds will begin to be the most important drivers of digital transformation. Covid-19 has dramatically accelerated the growth in digital economy – the sharp rise in digital productivity platforms that let us work and study from anywhere; online shopping for clothes, groceries, even freshly cooked food; streaming entertainment that replaces live concerts and movies; online banking; digital gyms and dance studios, the list goes on. Ideas such as telehealth which were slow to adoption before the pandemic are now becoming common for non-critical

care. Old industries are being transformed and terms like EdTech, FinTech, HealthTech, AgriTech, and so on are mainstream now.

2. AI and Data

AI, or artificial intelligence, seems to be on the tip of everyone's tongue these days. AI and Data Scientists are probably the most in-demand workers in the current job market. AI has already permeated our daily lives – from voice assistants to language translation to tools that allow us to extract structured data from pictures and hand-written notes. Reports show that the use of AI in many sectors of business has *grown by 270%* over the last four years. Whichever industry you choose to work in, you are bound to either use or build tools with AI.

Medical and Automotive are two exciting new areas where AI can have a positive impact.

Medical: The medical industry has a robust amount of data that may be utilized to create predictive models for healthcare. Areas such as computational pathology and computational radiology can help medical professionals with early detection, diagnosis, and efficacy of treatment.

Automotive: Similarly, we're already seeing the impact of AI in transportation with the advent of *autonomous vehicles*, and there are many other exciting AI applications to look forward to in traffic management, urban parking optimization, and intelligent highways.

3. Sustainability and Climate Tech

Scientists continue to warn us about climate change, and as citizens of Earth, we are feeling the impact of climate change every day in every corner of the world. Pressure is mounting on world leaders to significantly reduce greenhouse gas (GHG) emissions.

According to a latest report, climate tech start-ups have raised a record \$32 billion globally so far in 2021. Climate tech encompasses a broad set of sectors that tackle the challenge of decarbonizing the global economy with the aim of reaching net-zero emissions before 2050. New technologies represent a critical part



of the world's decarbonization tool kit — and the world does not yet have all the technologies that we need to solve the net-zero equation by balancing both sources and sinks of GHG emissions.

A report from McKinsey cites nine technological innovations that will shape the sustainability agenda. While by no means exhaustive, this is a pretty compelling list of technologies that could be exciting to explore. This list includes;

1. Public electric transportation
2. Electric trucks
3. Cheap energy storage
4. Long term storage
5. Plastic recycling
6. LED light efficiency
7. Accessible solar power
8. Carbon capture and storage
9. Hydrogen in the energy transition

Innovations from India can have a net positive global impact in this area.

4. Bioinformatics

Bioinformatics is at the intersection of computer science, big data, and biology. Some experts believe that anything that happens in biology in the future will have some component of bioinformatics. According to the U.S. Bureau of Labor Statistics, *jobs in computer-based analysis* are projected to grow 15 percent by 2029, with the healthcare, pharmaceutical, and biotechnology fields *leading the way*. A silver lining to the Covid 19 pandemic has been the advent of rapidly developing vaccines using mRNA techniques., This has fundamentally changed immunization therapy, and this is an exciting interdisciplinary field with many opportunities to explore in the future.

5. Cybersecurity

Cybersecurity Ventures expects global cybercrime costs to grow by 15 percent per year over the next five years,

reaching \$10.5 trillion USD annually by 2025, up from \$3 trillion USD in 2015. This represents the *greatest transfer of economic wealth in history*. Cybersecurity is crucial for the constant evolution of the digital world. Data and system protection in a frequently connected environment is essential to ensure users, businesses, and governments' integrity. And with the complexity of security requirements increasing, we face more significant challenges to develop advanced security systems. This area will continue to be critically important across all industries.

6. Cryptocurrency and Blockchain

Controversial and often debated, cryptocurrency (as you may know) is a form of digital payment that can be exchanged online for goods and services. Many companies issue their own currencies called tokens, which can be traded specifically for the goods or services that the company provides. Cryptocurrencies work using a technology called blockchain: a decentralized technology spread across many computers that manage and record transactions. Part of the appeal of this technology is its security. However, there are still many concerns swirling around this new system and its capacity to disrupt traditional financial systems. Cryptocurrency's future outlook is still very much in question. Proponents see limitless potential, while critics see nothing but risk. Regardless, this is an area you should learn about and monitor its progress in years to come.

Your Future

No matter which fields you choose to pursue, your IIT education will come in handy. I'd also like to point out that without exception all of the areas I've covered so far are interdisciplinary. Your ability to cross boundaries and work in adjacent domains will be critically important in the future.

One other thing we all learned during the pandemic is the importance of mental wellness. We are now seeing the beginnings of what I call *the global mental wellness movement*.



The Global Mental Wellness Movement

Catalyzed by the always-on demands of modern life – stress, anxiety, depression and social isolation are on the rise. *Global rates of depression* and anxiety have increased 15% to 20% during the last decade. The World Economic Forum projects that mental health disorders will cost a staggering loss in economic output of \$16.3 trillion between 2011 and 2030. *According to Forbes*, employee mental health is one of the top leadership priorities in the coming decade. Time starved and with limited mental energy, we scroll endlessly, searching for meaningful ways to fill the micro-moments in our busy lives. Research shows that a person's mental health impacts their physical health. Over-scheduled and under-rested, the mandate for mental wellness has never been more important.

Ten years ago, the physical fitness industry was far less than the *\$4.2 trillion* market it is today. Fast-forward and this 'boutique' fitness sector has become the norm. Corporate wellness programs are now mainstay all over the world; over 80% of U.S companies with more than fifty employees offer some sort of corporate wellness benefit. Today, coping with burnout, stress, and depression is the burning platform. Corporations must provide employees with the support they need to improve retention, and doing nothing will only reinforce an outdated stigma.

Reading, meditation, music, and exercise all help improve our mental wellness. That's why I started *Fable*, a tech company with the soul of an artist, that is dedicated to the mission of putting the omnipresent mobile screen in service of our mental wellness.

Leaders of the Future

Which bring us to the question – what are the most important leadership characteristics for the future?

In my view, leaders of the future must know how to lead when there are no boundaries between work, home, and society. We all experienced this blurring of

boundaries in 2020. When I started my career – work, home, and society had a clear separation. This is not the case anymore. We work from home, and our work is influenced by (and, in turn influences) society, politics, culture. As leaders we cannot turn a blind eye or close our ears to everything that is happening around us.

As future leaders you must develop and exhibit three important skills.

1. Empathy – the ability to bring opposing viewpoints together
2. Active Listening – the aptitude to understand issues deeply, going beyond the surface level
3. Ability to learn – this is the most important ability for a leader, especially in the fast-paced technology industry

Well my friends, let me wrap up by saying how excited I am to be part of the future that YOU will build. With your IIT education, you are now ready to take on the world. I won't sugarcoat this address and tell you that the path ahead will be easy. Success is never easy. It will often take a lifetime of hard work, personal sacrifices, and dealing with frustrations. Take this as *fundae* from one of your seniors... after years of coping with the brutal exams at IIT Delhi – the life ahead will be a piece a cake.

So, bring it... IIT'ians! You are armed with one of the best education experiences that the world offers, and your future achievement horizons are endless. I am confident that all of you will tackle it with responsibility, accountability, and kindness.

Look around you! Don't forget that you will carry the honor of this institution in your mind and the magic of this community in your heart, wherever life takes you.

My very best wishes to all of you. As my dad told me when I graduated from IIT Delhi, "Eyes on the stars and feet on the ground."

Congratulations ! Now it's time for some of that delicious Dilli Mithai ! *Chalo ab munh mitha karte hai !*



AWARD OF DEGREES, MEDALS & PRIZES

Distinguished Alumni Awards

Ph.D.

M.S. (Research)

Applied Mechanics; Biochemical Engineering & Biotechnology; Computer Science and Engineering; Electrical Engineering; Mechanical Engg; Information Technology; Biological Sciences; Telecommunication Technology & Management.

Interdisciplinary M.Tech.

Energy Studies; Industrial Tribology & Maintenance Engineering; Instrument Technology; Opto-Electronics and Optical Communication; Polymer Science and Technology; Telecommunication Technology and Management; VLSI Design Tools and Technology.

Interdisciplinary M.Des.

Industrial Design.

5-year Integrated M.Tech.

Mathematics and Computing.

5-year Dual Degree

Biochemical Engineering & Biotechnology; Chemical Engineering; Computer Science and Engineering; M.Tech. in Information & Communication Technology and B.Tech. in Electrical Engineering.

M.Tech.

Applied Mechanics; Biomedical Engineering; Chemical Engineering; Molecular Engineering - Chemical Synthesis and Analysis; Construction Technology and Management; Geotechnical & Geoenvironmental Engineering; Transportation Engineering; Structural Engineering; Construction Engineering & Management; Rock Engineering and Underground Structure; Environmental Engineering & Management; Water Resources Engineering; Computer Science & Engineering; Control and Automation; Communications Engineering; Integrated Electronics & Circuits; Power Electronics, Electrical Machines and Drives; Power Systems; Computer Technology; Industrial Engineering; Materials Engineering; Mechanical Design; Production Engineering; Thermal Engineering; Applied Optics; Solid State Materials; Textile Engineering; Fibre Science & Technology; Textile Chemical Processing; Radio Frequency Design and Technology; Atmospheric Oceanic Science and Technology; Energy & Environment Technologies and Management; Renewable Energy Technologies and Management.

M.Tech. Under Advanced Standing

M.Tech. in Geotechnical & Geoenvironmental Engineering; M.Tech. in Thermal Engg. and B.Tech. in Mechanical Engineering; M.Tech. in Computer Science & Engg. and B.Tech. in Mechanical Engineering.

M.B.A.

Management Systems; Technology Management; Telecommunication Systems Management

PG D.I.I.T.

Naval Construction.

M.Sc.

Chemistry; Mathematics; Physics.

B.Tech.

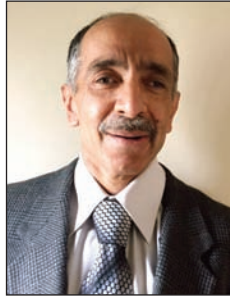
Biochemical Engineering & Biotechnology; Chemical Engineering; Civil Engineering; Computer Science and Engineering; Electrical Engineering; Electrical Engineering (Power); Electrical Engineering (Power & Automation); Mechanical Engineering; Production & Industrial Engineering; Mathematics & Computing; Engineering Physics; Textile Technology.

D.I.I.T (PG)

Geotechnical & Geoenvironmental Engineering; Rock Engineering & Underground Structures; Construction Engineering & Management; Computer Science & Engineering.

D.I.I.T (UG)

Medals and Prizes



C I T A T I O N

For the Conferment of the
Distinguished Alumni Award
on

Dr. Lov K. Grover

Dr. Lov K. Grover received his B.Tech. in Electrical Engineering from IIT Delhi in 1981. He received his Ph.D. in Electrical Engineering from Stanford University in 1984, having previously received master's degrees in Electrical Engineering from Caltech and Physics from Stanford. He joined Bell Labs in 1984 as a Member of Technical Staff, working initially in computer-aided design (CAD). During 1984-1987 he designed and implemented a VLSI CAD system based on simulated annealing, which was used to design and produce several thousand AT&T commercial chips. During 1987-1994 he was Visiting Professor at Cornell in the School of Electrical Engineering.

Dr. Grover has contributed one of the most significant original results in the field of Quantum Computation and Information Processing: the Grover Search Algorithm. Classical search of an unstructured database with 'N' entries takes order 'N' evaluations.

Dr. Grover showed in 1996 that this could be accomplished in order square root 'N' evaluations exploiting the power of quantum computation. While this is not an exponential speed-up, nevertheless it is universally recognized as a major milestone, both for its broad applicability to a large variety of problems and also for the new ideas it brought into the field. John Preskill has written "If quantum computers are being used 100 years from now, I would guess that they will be used to run Grover's algorithm or something like it". During 1998-2008 he moved to Physics Research at Bell Labs and was promoted to Distinguished Member of Technical Staff in 2002. He retired in 2008 and has been an independent researcher since then.

In honoring Dr. Lov K. Grover, IIT Delhi recognizes the outstanding contributions made by him in Teaching and Research. Through his achievements, Dr. Grover has brought glory to the name of the Institute.

C I T A T I O N

For the Conferment of the
Distinguished Alumni Award
on

Dr. Satish K. Singh



Dr. Satish K. Singh obtained his B.Tech. in Chemical Engineering from the IIT Delhi in 1981, and an M.S. and Ph.D. in Chemical Engineering from Kansas State University in 1983 and 1987 respectively.

Dr. Singh is currently the Vice President, Drug Product Development at Moderna Therapeutics. He has held a related position at Lonza Pharma and Biotech and was Research Fellow and Group Leader at Pfizer's BioTherapeutics Pharmaceutical R&D unit prior to 2016. Dr. Singh has a long experience in the biopharma industry in product development activities and is an internationally recognized expert in all aspects of (bio)pharmaceutical Drug Product (biologics, vaccines) development. His experience includes ophthalmics and parenterals, encompassing primarily biologics but also small molecules, and he has been involved in the submission of several BLAs and INDs.

Dr. Singh has a strong technical background in (biological) drug product development, complemented by a deep understanding of regulatory challenges and the evolving regulatory landscape, and has more than 90 peer-reviewed scientific publications as well as several book

chapters covering multiple topics. He is involved in various professional groups through the American Association of Pharmaceutical Scientists (AAPS) as well as several expert panels for the United States Pharmacopeia (USP). He was elected as a Fellow by the AAPS in 2018. His research interests also include the investigation of impact of freezing processes on proteins, use of computational approaches to mitigate develop-ability issues, protein aggregation and immunogenicity. He is a regular speaker at conferences, including a number in India as well as IITD, and intends to continue the post-career in a teaching mode, sharing his deep experience with a new generation of entrants in this field. In alignment with this interest, Dr. Singh holds the positions of Adjunct Professor at the Dept. of Physical Pharmaceutical Chemistry at Uppsala University, Sweden, and at School of Pharmacy, University of Michigan, Ann Arbor, USA.

In honoring Dr. Satish K. Singh, IIT Delhi recognizes the outstanding contributions made by him in Research and Drug development. Through his achievements, Dr. Singh has brought glory to the name of the Institute.



C I T A T I O N

For the Conferment of the
Distinguished Alumni Award
on

Prof. Nandini Trivedi

Prof. Nandini Trivedi received an M.S. in Physics from IIT Delhi in 1981 and a Ph.D. from Cornell in 1986. She was a professor at the Tata Institute of Fundamental Research for a decade prior to joining Ohio State University in 2004 as a Professor in the Department of Physics. She was elected a Fellow of the American Association for the Advancement of Science in 2020, a Distinguished Scholar of the Ohio State University in 2019 and Fellow of the American Physical Society in 2010.

Prof. Trivedi has made important contributions to the theoretical understanding of quantum materials. The big questions in the field are to understand how electrons and atoms, which follow the laws of quantum mechanics, get organized and how new phases of matter emerge. Trivedi's research has impacted several major areas in quantum matter including (1) superconductor to insulator transitions, (2) high-temperature superconductivity, (3) ultracold atomic gases, and (4) topological materials including Weyl semimetals and quantum spin liquids. Her research is characterized by the innovative combination of numerical techniques like quantum Monte Carlo with analytical methods and close collaboration with experimental groups.

Superconductors are materials where electrical current flows without any resistance due to the collective behaviour of billions of electron pairs condensing into a single quantum wave function!

Their applications range from MRI magnets to quantum information processing. The standard paradigm focuses on the metal to superconductor transition as the temperature is lowered. Trivedi's research goes beyond this paradigm and leads to surprising new insights into systems that exhibit a direct transition from a superconducting to an insulating state. Her theoretical predictions of a novel insulator with pairs of electrons, spectroscopic signatures near the superconductor-insulator transition, and the nature of this transition have all been tested experimentally.

Another example of her current research that goes beyond the standard paradigms involves quantum spin liquids, exotic phases of matter where the magnetic moments remain disordered down to the lowest temperatures, unlike conventional magnetic materials that exhibit ferromagnetic or antiferromagnetic ordering. However, unlike a trivially disordered paramagnetic state, a quantum spin liquid possesses long-range quantum entanglement, a property that is at the heart of creating topological qubits for quantum computers. Trivedi's research has predicted novel spin liquid states in a certain class of layered transition metal oxides and elucidated their properties.

In honoring Prof. Nandini Trivedi, IIT Delhi recognizes the outstanding contributions made by her in Teaching and Research. Through her achievements, Prof. Trivedi has brought glory to the name of the Institute.

C I T A T I O N

For the Conferment of the
Distinguished Alumni Award
on

Prof. Somesh Jha



Prof. Somesh Jha received his B.Tech. from IIT Delhi in Electrical Engineering in 1985. He received his Ph.D. in Computer Science from Carnegie Mellon University under the supervision of Prof. Edmund Clarke (a Turing award winner). Currently, he is the Lubar Professor in the Computer Sciences Department at the University of Wisconsin (Madison).

Prof. Jha's work focuses on the analysis of security protocols, survivability analysis, intrusion detection, formal methods for security, and analyzing malicious code. Recently, he has focussed his interests on topics related to trustworthy ML. Prof. Jha has

published several articles in highly-refereed conferences and prominent journals. His work has been highly cited (according to Google Scholar his h-index is 86 and he has more than 38,000 citations). He has won numerous best-paper and distinguished-paper awards. Prof. Jha has also received the NSF career award and the CAV award. Prof. Jha is a fellow of the ACM and IEEE.

In honoring Prof. Somesh Jha, IIT Delhi recognizes the outstanding contributions made by him in Teaching and Research. Through his achievements, Prof. Jha has brought glory to the name of the Institute.



C I T A T I O N

For the Conferment of the
Distinguished Alumni Award
on

Mr. Hitesh Oberoi

Mr. Hitesh Oberoi received his B.Tech. in Computer Science from IIT Delhi in 1994, followed by a Post Graduate Diploma in Management from IIM Bangalore in 1996.

Mr. Oberoi is a Co-Promoter, MD and CEO of Info Edge India Limited. Apart from the country's leading job site, Naukri.com, Info Edge also owns 99acres.com, Jeevansathi.com, and Shiksha.com and has investments in over 25 internet startups like Zomato and PolicyBazaar. InfoEdge has been a pioneer in the Indian internet space and was one of the first internet companies to go public on the Indian stock markets in 2006.

With over 20 years of experience in the internet industry, Mr. Oberoi is part of various industry forums. He is a charter member of the TiE, New Delhi and

also the past Chairman of IAMAI – The Internet and Mobile Association of India. Mr. Oberoi is also one of the Founders and a Trustee of Ashoka University and of the newly set up Plaksha University. He is a big believer in using education as a major tool for development and in the power of philanthropy to transform the Indian education landscape.

Mr. Oberoi won the Prestigious Ernst and Young Entrepreneur of the Year award for Business Transformation in the year 2008 along with his Partner. He has also been awarded the Distinguished Alumnus Award of 2019 by IIM Bangalore.

In honouring Mr. Hitesh Oberoi, IIT Delhi recognizes his Entrepreneurial excellence. Through his achievements, Mr. Oberoi has brought glory to the name of the Institute.

C I T A T I O N

For the Conferment of the
Distinguished Alumni Award
on

Mr. Kapil Bharati



Mr. Kapil Bharati received his Bachelor of Technology degree in Mechanical Engineering from IIT Delhi in 2000. Mr. Bharati is the Chief Technology Officer and Co-founder at Delhivery, a leading end-to-end logistics and supply chain services company in India. He leads the Technology and Data Science divisions, providing overall technical direction to the organisation and building a global technology and data platform to provide real-time insights for businesses and decision support systems for logistics and supply chain players around the world.

Prior to Delhivery, Mr. Bharati worked at Sapient

with Fortune 100 clients across multiple industries, including E-Commerce, Logistics, Financial Services, and Telecom. He also founded two startups – 11 rupees and Contify.com. Under his leadership, Delhivery bagged the coveted Startup of the Year at ET Startup Awards in 2019. In 2015, The Economic Times 40 under Forty also honoured him as one of India's most influential business leaders.

In honouring Mr. Kapil Bharati, IIT Delhi recognizes his Entrepreneurial excellence. Through his achievements, Mr. Bharati has brought glory to the name of the Institute.



C I T A T I O N

For the Conferment of the
Graduates of Last Decade (Gold) Award
on

Dr. Divya Gupta

Dr. Divya Gupta received Bachelor and Master of Technology in Computer Science and Engineering from the Indian Institute of Technology Delhi in 2011 and a Doctor of Philosophy in Computer Science from the University of California, Los Angeles in 2016.

Dr. Gupta is currently a senior researcher at Microsoft Research India. Her research interest is cryptography and its applications to security and privacy. Currently her work at MSR focusses on secure multiparty computation and blockchains, and in particular, making cryptography practical, usable, and performant. Her works have opened new avenues for blockchain-based solutions and privacy-preserving machine learning. She has democratized blockchains by reducing the cost of blockchain participants from heavy servers to mobile phones.

Her work has enabled the largest evaluations of privacy-preserving machine learning predictions till date.

Her dissertation was recognized by the Dissertation Fellowship and the Dimitris N. Chorafas Dissertation Award, given for outstanding work in engineering sciences, medicine and the natural sciences. She has published over twenty papers at top conferences in cryptography and security, has multiple patents, and several of her papers have been invited to the Journal of Cryptology, an honor reserved for the top few papers.

In honoring Dr. Divya Gupta, IIT Delhi recognizes her outstanding contributions to research. Through her contributions and achievements, Dr. Gupta has brought glory to the Institute.

C I T A T I O N

For the Conferment of the
Graduates of Last Decade (Gold) Award
on

Mr. Vidit Aatrey



Mr. Vidit Aatrey received a B.Tech. in Electrical Engineering from IIT Delhi in 2012.

He is the Founder and CEO of Meesho – India's largest social commerce platform valued at \$2.1B. Along with his entrepreneurial role, Mr. Aatrey is also an investor in 30+ young startups across India and SEA.

With Meesho, Mr. Aatrey is focused on building the Ecommerce destination for the next 500M consumers in India and to democratise internet commerce for all consumers and small businesses. As of 2021, Meesho's customer base is now over 100 million. Over the course of its journey, Meesho has attracted marquee investors such as Sequoia Capital, Softbank, Naspers, Facebook, and

Elevation Capital, and has captured over 90% of India's social commerce market.

Mr. Aatrey has been awarded Economic Times 40 Under 40, Fortune 40 Under 40, Entrepreneur 35 Under 35, Forbes 30 Under 30 – Asia and India list. Under Mr. Aatrey's leadership, Meesho was awarded Startup of the Year by CNBC and was part of the prestigious list – World's 50 Most Innovative Companies by Fast Company.

In honoring Mr. Vidit Aatrey, IIT Delhi recognizes his entrepreneurial excellence and exemplary contributions to India's startup ecosystem. Through his achievements, Mr. Aatrey has brought glory to the name of the Institute.



C I T A T I O N

For the Conferment of the
Graduates of Last Decade (Gold) Award
on

Mr. Sanjeev Barnwal

Mr. Sanjeev Barnwal received his Bachelor of Technology degree in Electrical Engineering from IIT Delhi in 2012.

He is the Founder and CTO of Meesho – India's largest social commerce platform valued at \$2.1B. Beyond his entrepreneurial endeavor, Mr. Barnwal is also actively involved in advising founders and investing in young startups across India and SEA.

Having worked with Sony in Japan, Mr. Barnwal returned to India and co-founded Meesho with his IIT Delhi batchmate Mr. Vidit Aatrey. With Meesho, Mr. Barnwal is focused on building the e-commerce destination for the next 500M consumers in India and democratizing internet commerce for all consumers

and small businesses. As of 2021, Meesho's customer base is now over 100 million. Over the course of its journey, Meesho has attracted marquee investors such as Sequoia Capital, Softbank, Naspers, Facebook, and Elevation Capital, and has captured over 90% of India's social commerce market.

Mr. Barnwal has been awarded Forbes 30 under 30 in Asia and India, Economic Times 40 Under 40 and Fortune 40 Under 40.

In honoring Mr. Sanjeev Barnwal, IIT Delhi recognizes his entrepreneurial excellence and exemplary contributions to India's startup ecosystem. Through his achievements, Mr. Barnwal has brought glory to the name of the Institute.

C I T A T I O N

For the Conferment of the
Graduates of Last Decade (Gold) Award
on

Prof. Deepak Vasisht



Prof. Deepak Vasisht received his Bachelor of Technology degree in Computer Science & Engineering from IIT Delhi in 2013. He subsequently received his Master of Science and Doctor of Philosophy degrees from Massachusetts Institute of Technology (MIT) in 2015 and 2019 respectively.

Prof. Vasisht is currently an Assistant Professor in Computer Science at the University of Illinois at Urbana Champaign. His research is focused on mobile computing and wireless networking, specializing in how next generation networking systems – satellite networks, 5G/6G, in-body networks, and others– can solve human-critical problems in different application areas including healthcare, smart homes, and agriculture.

Prof. Vasisht's research on Internet-of-Things systems for agriculture, in Project FarmBeats,

has been deployed across farms in United States, India, and Africa. His work has been featured in the Economist, IEEE Spectrum, BBC, MIT News, World Economic Forum, Daily Mail, and CBC among others. At IIT Delhi, he was awarded the President's Gold Medal. His Ph.D. dissertation received the ACM SIGCOMM Doctoral Dissertation award in 2019. He is the inaugural Microsoft Industry Research Fellow and a recipient of the Microsoft Research Ph.D. Fellowship, an ACM SIGCOMM best paper award, and an ACM COMPASS best paper award.

In honoring Prof. Deepak Vasisht, IIT Delhi recognizes the outstanding contributions made by him in Teaching and Research. Through his achievements, Prof. Vasisht has brought glory to the name of the Institute.



C I T A T I O N

For the Conferment of the
Distinguished Alumni Service Award
on

Mr. Sandeep Singhal

Mr. Sandeep Singhal graduated with a B.Tech. in Chemical Engineering from IIT Delhi in the year 1992 followed by an M.S. from the University of Illinois (Abraham Lincoln Fellow) and an MBA with distinction from IIM Ahmedabad.

Mr. Singhal, a co-founder and Managing Director of WestBridge Capital is based out of Bangalore. Mr. Singhal also co-founded and was Managing Director of Sequoia Capital India. Mr. Singhal serves or has served on the boards of more than 25 public and private companies.

Mr. Singhal is a Founder and board member of the IIM Ahmedabad (Chairman) and IIT Delhi Endowments. He also serves as a trustee on the

board of Ashoka Trust for Research in Ecology and Environment and has served as a Trustee of the India Foundation of the Arts. He has a deep interest in music and arts and has co-founded the Singhal-lyer Family Foundation, which is dedicated to two objectives – Education for underprivileged children and promoting Indian music, culture and performing arts. Along with Vishwanathan Anand, Sandeep set up the WestBridge Anand Chess Academy (WACA) that trains young grandmasters from India in their bid to become world champions.

In honoring Mr. Sandeep Singhal, IIT Delhi recognizes his contribution in conceptualising and setting up the IIT Delhi Endowment Fund.

MEDALS AND PRIZES

President's Gold Medal



Ananye Agarwal

B.Tech. in Computer Science and Engineering

Director's Gold Medal



Shreyansh Chanani

B.Tech. in Production and Industrial Engineering

Perfect Ten Gold Medal



Ajmera Sanketh Kumar

M.S.(R) in Mechanical Engineering



Aditya Singla

M.Tech. in Thermal Engineering and
B.Tech. in Mechanical Engineering



SILVER MEDALISTS



Deepak Sonawat

B.Tech. and M.Tech.
in Chemical Engineering



Saksham Sharma

B.Tech. and M.Tech in Biochemical
Engineering & Biotechnology



Atishya Jain

B.Tech. and M.Tech. in
Computer Science and Engg.



Sajal Gupta

B.Tech. and M.Tech. in
Mathematics and Computing



Urvashi Dhar

B.Tech. in Biochemical
Engg. and Biotechnology



Abhishek Agrawal

B.Tech. in Civil Engg.



Anurag Holani

B.Tech. in Chemical Engg.



Ayan Jain

B.Tech. in Electrical Engg.



Rushang Gupta

B.Tech. in Electrical Engg.
(Power and Automation)



Shobhit Singh

B.Tech. in Mechanical Engg.



Shreyansh Chanani

B.Tech. in Production and
Industrial Engineering



Mrigank Raman

B.Tech. in Mathematics and
Computing



Shubham Jain

B.Tech. in Engineering Physics



Kumar Priyanshu

B.Tech. in Textile Technology

**Abhinav Dhupar Memorial Award**

Riya Anilkumar

Amit Garg Memorial Entrepreneurship Award

Amartya Bhargava

Amit Garg Memorial Ethical Leadership Award

Harashit Singhal

Amit Garg Memorial Research Award

Sparsh Johari and Tathagata Roy (Jointly)

Prof. A.K. Sinha Cash Prize

Ankit Chatterjee

Dr. Amrik Singh Award

Chirantan Shee

Shri A.N. Dutta Memorial Award

Jyoti Ranjan Moharana

Lt. Arpan Banerjee Award

Rishabh Mishra

Prof. Arun Kanda Memorial Cash Award

Shubhi Jaiswal

Shri & Smt. B.S. Nayyar Memorial Award for Excellence

Partha Dhar

Mehak Aggarwal

Bhagirathi-Bashisht Tiwari Award

Trishti Gupta

Boss Award

Rathi Aditya Prashant and Harman Mehta (Jointly)

Riya Anilkumar

Deepak Sonawat

Kaashika Prajaapat

Sri Vasudha Hemadri Bhotla

Arpit Jain and Rupsha Bhattacharyya (Jointly)

Samyak Jain and Shorya Jain (Jointly)

Buti Foundation Award

Kushagri Tandon

Mrs. Chander Kanta Nanda Excellence Award

Partha Dhar

Kritika Grover

Prof. C.S. Jha Memorial Excellence Award

Aditi Vikas

Dogra Award

Yudhvir Singh Dhaka

Dogra Cash Award

Riya Anilkumar

Dogra Educational Endowment Award*

Dharmesh Singh and Ahana Banerjee (Jointly)

**Excellence Award for Best Project in HVAC & R
(Heating Ventilating, Air-Conditioning & Refrigeration)**

Narendra Prakash

FITT Award for Best Industry Relevant Project

B Nikhil Krishna

Anjali Agrawal

Ganga Devi and Khem Chand Memorial Award

Abhirup Bhattacharya

Shri Harbans Singh Memorial Award

Gaurav Gupta

IEEE-PEDES 96 Award

Goutham Naga Srivatsav Varanasi

IIIE Cash Award

Sachindra Pratap Singh

**Prof. J. Nanda Cash Award of Excellence in Power
System Engineering**

Nishita Yadav

**Shri Jaidutt and Shrimati Saraswati Sodha Research
Award**

Ravi Kant

Shrimati Jawala Devi-Sita Ram Kaushik Award

Manish Singh Bisht and Kelvin Nosakhare Eguavoen
(Jointly)

Dr. Kewal Krishan Baveja Cash Award

Kanishka

K. Vasudevan Memorial Cash Award

Kumar Priyanshu

Laxmi Bai - Lal Chand Khurana Memorial Award

Sajal Gupta

**Leela Khushiram Cash Award**

Saksham Sharma

Prof. M.C. Puri Memorial Award

Kushagri Tandon

Prof. M.P. Singh Award

Abhishek Kumar Upadhyay

Mrs. Malti Singh and Shri Ram Rishi Singh Memorial Postgraduate Cash Award

Vankar Jayminbhai Kanubhai

Man Mohan Suri Project Award (U.G.)

Tarandeep Singh Thukral

Man Mohan Suri Project Award (P.G.)

Aditya Singla

Prof. R.K. Mittal Excellence Cash Award

Doli Hari Sai Prasad

Mudit Sharma Memorial Award

Shubham Jain

NBCC Prize of Excellence

Tawseef Iqbal

Shri O.P. Bansal Cash Award

Siripurapu Vamsi

Prof. O.P. Gupta Award

Trishti Gupta

Prof. P.K. Katti Award

Desai Jawahar Prabhakar Vandana

Dr. P.L. Kapur and Mrs. Pushpa Kapur Memorial Award

Swapnil Khurana and Purva Sharnagat (Jointly)

Parampujya Baba Sant Nagpalji Award

Kartik Jain

Mrs. Prabha and Dr. Shahi Research Excellence Award in Geotechnical Engineering*

Mohit Somani

Punita Kumar - Sinha Award for All Rounder Excellence

Urvashi Dhar and Kaavya Sahay (Jointly)

Rajindra Kumari Malhotra Memorial Prize

Partha Dhar and Siddharth Yadav (Jointly)

Rajiv Bambawale Cash Award

Ananye Agarwal

Rajiv Bambawale Cash Prize

Janak Sharda

Rahul Giri Memorial Cash Award

Partha Dhar

Mrs. Sabita Karunes Memorial Award

Kushagra Singh

Prof. B. Karunes Memorial Award

Raghavendran Kaushik

Sarla Devi Duggal Excellence Award for Women

G Prathibha Bharadwaj

Suresh Chandra Memorial Award

Partik Karia and Kurhe Vaibhav Kiran (Jointly)

Suresh Chandra Memorial Trust Award

Sanmukhi Sripada and Ayush Jain (Jointly)
Ananye Agrawal and Kartik Sharma (Jointly)

Shri S.L. Duggal Excellence Cash Award

Shreyansh Chanani

Shrimati Vijay-Usha Sodha Research Award

Sakthivel P

Subbarao Research Excellence Award*

Gul Afreen

Suman - Upma Gupta Memorial Cash Award

Aditi Vikas

Sumant Sinha Sustainability Leadership Award

Rohit Kumar

Dr. Sumedha Taneja Memorial Award

Avanish Kumar Singh

Prof. T.K. Ghose Memorial Award*

Jananee Jaishankar
Vishwanath Srishylappa Yamunamma Hebhi

*Not a Convocation Award and will be given separately.



DOCTOR OF PHILOSOPHY

Aatina Nasir Malik	Anilkumar Lalchand Yadav	Bodhibrata Mukhopadhyay	Dipesh Kumar Mishra
Abhary E	Anirban Sen	Bramh Dev Sharma	Divya Dhingra
Abhay Kumar Chaturvedi	Anjeet Kumar Verma	Brijesh Chander Pandey	Edo Begna Jiru
Abhilash Patel	Ankit Butola	Chandan Kumar Jha	Ekta
Abhishek	Ankit Singhal	Charu Gupta	Ekta Ajit Jain
Abhishek Dhar	Anshu Verma	Chauhan Vanvirsinh Jagatsinh	Ekta Pandey
Abhishek Grover	Anurag Tripathi	Chinmaya Mishra	Fikreyesus Demeke Cherkos
Abhishek Kumar Pandey	Arti Rawat	Danish Contractor	Gadkari Rahul Rajkumar
Abhishek Kumar Upadhyay	Arunava Banerjee	Darbamulla Sai Baba	Gargi Jaiswal
Abhishek Kumbhat	Ashish Dwivedi	De Bakshi Nilanjana	Gaurav Musalgaonkar
Abhishek Singh	Ashish K. Lohar	Debanjan Konar	Geetanjali Srivastava
Aditya Gokhale	Asmita Verma	Deeksha Tayal	Gopendra Singh
Aditya Gupta	Atul Kumar Dubey	Deepak Kumar	Gupta Ronak Purushottam
Adnan Ahmed	Atul Thakur	Deepak Kumar	Hameedah Sultan
Ajit Kumar	Avinash Raulo	Deepak Kumar Prasad	Hamid Hassan Khan
Alok Kumar Sinha	Ayesha Firdaus	Deepika Malpani	Happy Mittal
Aman Bhatnagar	B Nikhil Krishna	Deshraj Meena	Hariom
Amina Nafees	Babita Bakshi (Nee Babita Kumari)	Devendra Kumar	Harprabhjot Singh
Amit Kumar Vimal	Balvinder Singh	Devendra Kumar	Harsh Gupta
Amit Ranjan Verma	Bhanu Pratap Dhamaniya	Dharmendra Lohar	Harsha Rohira
Amita Pathak	Bhawna Ahuja	Dheeraj Kumar	Himani
Anand Madhukar	Bishal Dey Sarkar	Dileep Bapatla	Himanshu Pant
Anil Kumar Sharma		Dindayal Agrawal	Hitesh Verma



Ifra	Kritika Aditya	Nikhil Kumar	Pratibha
Indu Joshi	Lalita	Nikhil Kumar	Pratibha Singh
Iqra Altaf Gillani	Leela Dhar Kala	Nitika Gaurav	Praveer Sinha
Iqra Reyaz Hamdani	Lipsy	Nitin Gupta	Preeti Chaudhary
Ishaq Sayed Makkar	M. Vetri Selvi	Nooruddin Ansari	Priyanka
Jananee Jaishankar	Mamta	Nusrat Rashid	R. Ahalya
Jashwant Kumar	Manasi Gupta	Padole Himanshu Pramod	Radha S
Jasvinder Singh	Manish Raj	Pankaj	Rafeek T
Jitendra Singh Verma	Manisha Arora	Pankaj Srivastava	Rahul Sharma
Jitesh Kumar Khatri	Manoj Kumar	Pardeep Kumar	Rajeev Kumar
Juhi Chaudhary	Mathew M P	Parul Gupta	Rajesh Kumar
Jyoti Prakash	Mayank Gupta	Patil Deepak Deelip	Rajesh Kumar
Jyoti Singh	Mayank Srivastava	Payal	Rajpal Singh Mann
K Vignesh Kumar	Meenakshi Sharma	Pooja Bansal	Ralekar Chetan Sudarshan
Kamble Zunjarrao Bapuso	Mohamed Shahid U N	Pooja Basera	Ramesh Kumar
Kanhaiya Lal Mishra	Mohd Alam	Pooja Punyani	Reshu Tyagi
Kanhu Charan Pradhan	Mohd. Adnan	Poonam Jayal Nee Nautiyal	Richa Priyadarshani
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Kapil Sharma	Mohit Somani	Pradyumna Ranjan Ghosh	Rishav
Karan Malik	Mrutyunjay Nayak	Prajna Devi Upadhyay	Rishi Kant Sharma
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Kathiresan P	Nandhini S.	Pranaynil Saikia	Rohit Ralli
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Kavita Tandon	Nibedita Parida	Prasun Halder	Rubi Rana
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S Sai Saran	Shiva Azimi	Sucharita Sethy	Utkarsh Sharma
Yagnamurthy	Shivani Kumar	Suchismita Das	Vaibhav Chandra
S Sugeet	Shivraman Mudaliyar	Suchismita Patra	Vaibhav Kumar
Sahil Malhotra	Shiwangi Singh	Sudipta Saha	Vaibhav Rana
Sajan Singh	Shraddha Mishra	Sukanya Ghosh	Vandita Sahay
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Sanjay Kumar	Shubhra	Surita Basu	Vickey Nandal
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Sanjeev Kumar Lohia	Smita Gupta	Swagato Sarkar	Vikas Khatkar
Sankuru Surya Prakash	Smrutirekha Mishra	Swati	Vinay Kaushik
Santu Kar	Snigdha Bhagat	Swati Gautam	Vinay Saini
Sapna Mudgal	Solomon Abera Bekele	Swati Tak	Vinaya Prakash Singh
Saptarshi Ghosh	Somnath Pal	Syed Muhammad Amrr	Vineet Barwal
Sartaj Tanweer	Sonal Yadav	Tabia Ahmad	Vini Gupta
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Sauhard Singh	Sonit Balyan	Tanushree Parasai	Vinod Mishra
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Seema	Soumyadip Banerjee	Thameed Aijaz	Vishwanath Srishylappa
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Shanta Mohapatra	Sravan Kumar Gara	Unsanhame	Wasiuddin
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Siddharth Singh
Swapnil
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Hire Sanket Sanjaypant
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Doli Hari Sai Prasad
Durbhakula Yagna
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Ushaid Anjar

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Geotechnical & Geoenvironmental Engineering

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Manoj

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Saurabh Kumar
Srivastava

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(2019CEG2044)

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Transportation Engineering

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Structural Engineering

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Pinnamraju Dileep Raju
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Salil Vince Joseph
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Chandrima Kachhwah
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Jyotsna Bhardwaj
Kanika Talreja
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Manisha Kumari
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Rachit Deep
Rishav Raj
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Power Electronics, Electrical Machines and Drives

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Power Systems

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Materials Engineering

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Kale Ajay Ashok
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Nitish Upadhyay
Nived S Kumar
Osama Mahmood
P Avinash
Panjala Sampreeth
Goud
Patel Bhautik
Yogeshbhai
Pawar Shrikant Ashok
Prachi Chaurasia
Pranav Shukla
Pranjal
Rachit Gupta
Rachit Jain
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Rahul Shah
Rajat Seth
Ramit Awasthi
Ravi Kant Jha
Rishabh Rai
Rishav Agarwal
Ruchi Singh
Ruman Rahamtullah
Sachin Sarawgi
Sachin Singh
Sahil Acharya
Sahil Bhutani
Sameer Ranjan Das
Sanchayan Pal

Sarthak Gupta
Satish Kumar
Savalia Zankar
Shailesh Kumar Mittal
Shankhayan Das Gupta
Shirshak Dahal
Shivek Baghel
Shubham Gupta
Shubham Yadav
Sourabh Sharma
Subhadeep
Bhattacharyya
Susanta Biswas
Tadh Tok Camdir
Tanakala Girish Akhil
Tantia Divyam Anil
Kumar
Tapishnu Samanta
Thakkar Nimeshkumar
Kanaiyalal
Vaibhav Kumar
Varnit Tyagi
Venosh Seelam
Yasarapu Raviteja
Yashwant Kumar
Sharma
Yatin Singh

Technology Management

Aarushi Rawat
Amit Chawla

Amit Singh
Anusha Bhatnagar
Bhavna Bhati
Bishwajeet Kumar
Sisodiya
Deepak Kumar Singh
Gaurav Kumar
Gaurav Solanki
Harmeet Kaur
Harshit Garg
Hitesh Gupta
Hitesh Luthra
Kawaljit Kaur
Ketan Sharma
Kshitij Baweja
Kuldeep Singh
Mayank Bansal
Mayank Verma
Mohini Bhalla
Mujahid Ali
Nivedita Malik
Parul Kapoor
Prateek Singh
Razi Ahmad
Ritambra Kotwal
Samarth Saxena
Sanjay Sharma
Siddhant Cally
Sudip Chatterjee
Sumit Mishra

Sumit Pathak
Vibhor

Telecommunication Systems Management

Abin Dominic
Aditi S R
Anand M
Anindya Mukherjee
Arnesh Majhi
Atri Gulati
Dasmesh Singh
Gannavarapu Suhas
Ashoka Vardhan
Kapadia Kunal Chital
Padmini
Kushagra Singh
Mayank Joshi
Mayur Bansal
Murali Thogata
Nandeesh Kumar
Nitin Gangwar
Pranjal Rajive Agarwal
Raja Gautam
Raut Aditya Deepak
Madhuri
Ritwik Rudra
Shubhi Agarwal
Siddhant Majumdar
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Tuhin Sen
Velikanti Sai Vivek



PG D.I.I.T. (Naval Construction)

Adithyan Sankar I	Chetan Gowda T N	Pranavdev	Siddhant Mishra
Akanistha Banerjee	Deepak M P	Pranshu Tiwari	Sourav Sett
Amit Kumar Rai	Jasleen Kaur	Sawant Omkar Shirish	Vipinlal M P
Atul Chahar	Lavesh Khandelwal	Shashi Kumar	Vivek Dhattarwal
Bishnu	Nikhil Kumar Jha	Shruti Chaturvedi	

D.I.I.T. (PG)

Geotechnical & Geoenvironmental Engineering

Rahul Saini

Rock Engineering & Underground Structures

Megha Singh

Construction Engineering & Management

Anand Kumar Singh

Computer Science & Engineering

Drona Pratap Chandu

MASTER OF SCIENCE

Chemistry

Abhishek Kushwaha
Aditya Jangid
Akash
Amar Prasad Majhi
Amresh
Ankita Mehta
Ankita Sharma
Ashish Kumar
Ashish Yadav
Ashit Yadav
Atul Kumar Gautam
Baldeep Singh
Deepak Yadav

Deepika
Divyansh Rajput
Dixa Verma
Gunjan Upadhyay
Harshita (2019CYS7021)
Harshita (2019CYS7022)
Hemant Kumar
Himanshu
Hitesh Maurya
Kapil Kaushal
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Megha Singhal
Monika Soni

Naveen Kumar
Pankaj
Pankaj Kumar Yadav
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Rajkamal
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Rashmi Yadav
Rohit Kumar
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Satendra Kumar

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Shivani
Shubham
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Mathematics

Aashish Kumar Maurya
Aashutosh Kumar
Kashyap



Aayush Halba
Abhishek Bansal
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Apaala Dhoundiyal
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Kamlesh Kumar
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Kumar Sita Ram
Meena
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Sandeep Kumar
(2019MAS7100)
Sandeep Kumar
(2019MAS7101)
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Aathitya S

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Brijesh Chaurasiya
Daksh Kumar
Deepak Mahor
Himanshu
Himanshu Singh
Nimoria
Himanshu Singh Rath
Hitesh Kumar
Jitul Deka
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Komal
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Laxmi Prasad Naik
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Mahtab Alam
Manav Vijay Kumar
Manisha Meena
Mephin Philip
Alamcheril
Mohit
Mohit Tejyan
Navdeep Singh

Nishant Goyal
Om Prakash Saini
Poonam Meena
Pritamkumar Mohanty
Purva Sharnagat
Pushpendra Kumar
Meena
Rajendra Prasad
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Susheel Bhardwaj
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Varun
Vishant Baliyan



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Ahmad Nasir
Ajay Kumar
Ajay Meena
Akanksha Pradhan
Akshat Singh
Aman Gupta
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Khushi Sharma
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Kumar Kirti Jain
Lalminlun Hangsing
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Nipun Garg
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Nitesh Chilwal
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Paritosh Raj
Patel Nikhil Hasmukhbhai
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Pranav Kumar
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Rohit Rajendra Zope
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Rounak Tikmani
Saksham Rawal
Samar Singh Rathore
Sanjeev



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Sarthak Yadav
Shivam Rathi
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Soumya Gupta
Srinibas Nandi
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Swati Singh
Tajasvi Kumar Singh
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Abhishek Anand
Abhishek Verma
Aditi Singh
Aditya
Amit Dubey
Ankur Kapooria
Anoop Yadav

Anubhav
Anurag Gautam
Ashish
Ashish Gupta
Ashish Kumar
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Rahul Yadav
Ranjan Kumar
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Rishav Kumar
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Sukhjeet Singh
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Sumir Kumar
Suresh
Suresh Choudhary
Suryanshu Agrawal
Tanvi Bamnawat



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Utkarsh Kumar Jorwal
Vedik Goyal
Viraj Chandra
Yash Gupta
Yogesh Kumar Maher

Computer Science & Engineering

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Aditya Panwar
Akhil Kedia
Amal Prasad
Anant Kashyap
Ananye Agarwal
Anil Kumar Uchadiya
Ankit Kumar Singh
Anoosh Kotak
Arsh Gautam
Chintha Ushaswini
Divyanshu Mandowara
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Hrithik Maheshwari
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Kaashika Prajaapat
Kailash Kumawat

Kaivalya Subhash Swami
Kaladi Lalith Satya Srinivas
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Mayank Kumar
Mayur Solanki
Medha Kant
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Paranjape Jay Nitin
Parth Porwal
Partha Dhar
Poorva Garg
Prashit Raj
Prateek Garg
Pratheek D Souza Rebello

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Putta Nikhila Reddy
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Raviraj Singh
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Sameer Vivek Pande
Sanjay Meena
Sarthak Mishra
Shailesh Yadav
Shashank Shekhar
Shayan Aslam Saifi
Shivam Bansal
Shivam Goyal
Shivam Sheshrao Jadhav
Shourya Aggarwal
Shubh Jaroria

Shubham Sondhi
Tammireddi Venkata Sesha Sai Datta
Uddesh Katyayan
Vaibhav
Vardhan Jain
Vasu Jain
Vedant Vijay
Vidit Jain
Vishwajeet Agrawal
Vusse Sravyasri
Yaduraj Rao

Electrical Engineering

Abhishek Kumar
Abhishek Singh
Adarsh Shrivastava
Aditi Vikas
Akash Anand
Akshay Verma
Aman Prakash
Aman Tiwari
Anand Daswani
Aniket Gupta
Ankit Garg
Anshul Yadav
Anurag Yadav
Ashwil Bhupesh



Ayan Jain
Banala Nishith Reddy
Brateesh Roy
Budhil Raj Patel
Deep Rajesh Gandhi
Deepak Meena
Devang Mahesh
Devesh Kumar Meena
Dilkush Meena
Dondapati Venkata
Naga Adithya
Fulesh Kumar Dahiya
Gaduputi Sumanth
Gayank Negi
Harshit Patidar
Janak Sharda
Jayesh Janardhan
Karwande
Kuriti Siva Sankar
Lakshya Bhatnagar
Lavish Chauhan
Lokesh Patel
Mainak Agrawal
Menda Hemanth
Modi Nihar
Mohammad Atif
Mudit Soni

Narreddy Bhavani
Sankar Reddy
Nilabjo Dey
Nishant Singh Chouhan
Palli Pramod Vishnu
Pamarthi Mohan
Harsha
Parv Agrawal
Prabudh Jangra
Pradyumna Jalan
Prafull Kumar Manav
Pranay Singh Azad
Prashmit Kumar Bose
Prateek Agrawal
Pratyush Garg
Pratyush Pandey
Preet Malviya
Prem Parkash
Puppali Praneeth Goud
Raghav Gupta
Rahul Jain
Rakesh Kumar
Ravi Gupta
Rishabh Ranjan
Ritik Agrawal
Ritik Rajendra
Choudhary

Ritvik Kapila
Ritvik Sharma
Rushi Patel
Samarth Gupta
Sawant Rohan
Madhukarrao
Sharma Dipanshu
Dilipkumar
Shashi Kumar Modi
Shitij Agrawal
Shivanshu Bohara
Shubham Kumar
Siddhant Haritwal
Siddhant Sagar
Siddharth Dangwal
Skyler Sharad Badge
V Shreyas
Vaibhav Kasotiya
Vedang Karwa
Vipul Anand
Vyakaranam Venkata
Sai Ganesh Chand
Yash Gupta
Yash Singla
**Electrical Engineering
(Power)**
Abhishek Singh

Electrical Engineering (Power Automation)

Aagam Gupta
Abhinav Harsh
Aditya Gupta
Anshul Damesha
Anshul Gupta
Apoorv Jain
Arham Raees
Aseem Vidyadhar
Patwardhan
Ashwani Choudhary
Bhavesh Tolia
Chandrashekhar
Chapara Sagar
Dilkhush Sogan
Garvil Singhal
Gaurav Kumar
Hemant Kumar Jain
Himanshu Verma
Ishita Gupta
Jatin Jain
Kajol Gehlot
Kundan Doiphode
Lakshya Agarwal
Lokesh Saini
Manish Kumar Yadav



Manisha Kuhar	Abhishek Dharmesh	Mohit Bhandari	Sourav Chandran
Naman Sitesh Maheshwari	Ajay Suthar	Mohit Kumar Prajapat	Sudip Maji
Piyush	Anmol Gupta	Mukul Bansal	Sukhbir Singh
Prabhanshu Singh	Arpit Agrawal	Namburi Yaswanth	Sumedh S Mandhan
Pradeep Choudhary	Arpit Jain	Namita Dudeja	Sunav Kumar Vidhyarthi
Prakhar Kanchan	Ayush Jain	Nikhil Mishra	Sunil Kumar
Rashi Pillania	Bhargav Varshney	Nipun Verma	Suryansh Agarwal
Rishidev Prabhakar	Bonu Mukesh	Nishant Jindal	Tanya Prasad
Rushang Gupta	Dammalapati Sai Shashank Chowdary	Prabhav Gupta	Tarandeep Singh Thukral
Sakshi Gupta	Deepak Kumar	Pratyush Srivastava	Taransh Sindhwani
Sarthak Garg	Diptanshu Rajan	Rakesh Kumar Meena	Vaibhav Baldwa
Sarthak Tomar	Divyanshu Sharma	Ravi Shanker Meena	Vijay Kumar Meena
Saujanya Chaudhary	Gulipalli Chaitanya Ram	Rohan Yuttham	Vimal Kumar
T. Hoingaiching Haokip	Harshit Maheshwari	Rudraneel Roy	Vineet Kumar Singh
Ujjwal Agrawal	Indrajeet Singh	Rupsha Bhattacharyya	Vishal
Umesh Meena	Jayaditya Gupta	Sahil Chadha	Vivek Sudhir Mahindrakar
Utkarsh Tyagi	Kanishak Aggarwal	Satvik Gupta	
Varun Gupta	Keshav Raj	Shah Jinay Haresbhai	
Vishal Kumar Dayma	Kota Pavan Sai Teja	Shanmukhi Sripada	Production and Industrial Engineering
Vishnu Saini	Kshitij Jain	Shivam Agrawal	Abhijeet Kumar Singh
Vivek Meena	Madhur Sigar	Shobhit Singhal	Abhishek Gangwar
Yash Chandra	Manan Brijesh Patel	Shreyash Raj	Abhishek Jakhiwal
Mechanical Engineering	Manish Ranjan	Siddhant Jain	Aditya Amrit
Abhijaat Singh	Manjeet Singh	Siddharth Sehgal	Aditya Raj Gupta
		Solanki Rutvik Shailesh	



Aman Kumar
Aman Kumar Gupta
Amar Kumar
Anirudha Dinesh
Jaiswal
Anmol Bhardwaj
Anshul Agrawal
Anupam Singh
Arnav Jain
Atul Kumar
Atul Saharan
Bhavya Kumawat
Dalavi Yogeshwar
Ramdas
Deepanshu Goyal
Deepika Meena
Devanshu Aggarwal
Gaurav Agrawal
Gulam Waris
Gunjan Mathur
Jayant Prasad Tarapore
Karan Mittal
Keshav Jangid
Kshitij Gupta
Kumar Ichchhit
Lakshya Singhal
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Nikhil
Nikita Rana
Nitin Shekhar
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Parth Samria
Prabhat Kushwaha
Pradeep Peter Murmu
Priyansh Khandelwal
Raj Vardhan
Rajas Salil Joshi
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Sanket Beniwal
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Saswat Mishra
Saurav
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Shubham Aggarwal
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Utsav Khandelwal
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Yogesh Kumar
Mathematics & Computing
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Samala
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Ajay Baldev Sailopal
Amit Meena
Anchit Tandon
Ankit Kumar
Ashish Gupta
Avanish Kumar Singh
Divyam Gupta
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Jatin
Kaligotla Sai Ashwal
Kamal Jain
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Ojal Kumar
Palak Jain
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Sakshi Taparia
Sarat Varma Kallepalli
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T D M S S Pavan
Srinivas
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Engineering Physics
Abhinav Singh
Abhipray Devendra
Dohane
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Akash
Akash Sharma



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Akshit Katiyar
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Garasiya
Gundelli Poojith
Himalik Singh
Hritik Khandelwal
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Priyamvad Tripathi
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Alugu Sadharma
Shekar
Aman Godara
Amartya Bhargava
Amit Raj
Amlan Tekam
Ankit Batham
Anmol Jain
Anubhav Saini
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Anurag Singla
Anurag Thakre
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Dhanalakshmi
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Mudavathu Jashwanth
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Naman Gautam

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Piyush Painkra

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Richa Bajpai

Ritesh Kumar

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Ronak Gupta

Sachin Siddharth

Sagar Vijay Dudhe

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Tushar Bansal

Uddesh Ashok Teke

Utkarsh Kumar

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Zeeshan Ahmad

D.I.I.T. (UG)

Ankit Kumar Meena

Kanikaram Dwizotman



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Monika Aggarwal (Ms.)

Babu J. Alappat

R. Alagirusamy

S. Aravindan

Vibha Arora (Ms.)

R. Ayothiraman

P.K. Babu

D.K. Bandhopadhyay

S. Banerjee (on EOL)

Amitabha Bagchi

Varsha Banerjee (Ms.)

Ananjan Basu

Kanika T. Bhal (Ms.)

Suresh Bhalla

A.N. Bhaskarwar

Manav Bhatnagar

Naresh Bhatnagar

B.K. Behera

Jayashree Bijwe (Ms.)

Shashank Bishnoi

Nomesh Bolia

Ranjan Bose (on
deputation)

S. Basu (on lien)

Bhupendra Singh Butola

Vivek Vithal Buwa

B.R. Chahar

Tanusree Chakraborty
(Ms.)

Pritha Chandra (Ms.)

V.M. Chariar

N. Chatterjee

Ratnamala Chatterjee (Ms.)

Shouribrata Chatterjee

R. Chattopadhyay

Santanu Chaudhury

Sujeet Chaudhary

Tapan Kumar Chaudhuri

Pramit Kumar Chowdhury

Anoop Chawla

Ashish K. Darpe

Amita Das (Ms.)

Apurba Das

Dipayan Das



Swades K. De
S. Dharmaraja
Anuj Dhawan
Shashank Deep
Anupam Dewan
Chinmoy Sankar Dey
Abhisek Dixit
J.K. Dutt
Anil Jacob Elias
Naveen Garg
Arjun Ghosh
Sankalpa Ghosh
Santanu Ghosh
Sudarsan Ghosh
Sourabh Ghosh
Rahul Garg
James Gomes
V.R. Gunturi
Amit Gupta
Ashok Gupta
Bhuvanesh Gupta
Deepti Gupta (Ms.)
M.P. Gupta
Pardeep K. Gupta
V. Haridas
Sriram Hegde
Harish Hirani (on lien)
Farhana Ibrahim (Ms.)

P. Vigneswara Ilavarsan
Josemon Jacob
A.K. Jain
Nidhi Jain (Ms.)
Sanjeev Jain
Manjeet Jassal (Ms.)
Jayadeva
M. Jagadesh Kumar (on lien)
Neeraj Kumar Jha
Sunil Jha
Joby Joseph
Mangla Joshi (Ms.)
S.D. Joshi
R.R. Kalaga
Prem Kumar Kalra
Santosh Kapuria
I.N. Kar
Subrat Kar
Ravinder Kaur (Ms.)
D.R. Kaushal
Saroj Kaushik (Ms.)
A.K. Keshari
Rajesh Khanna (on EOL)
S.K. Khare
Neeraj Khare
Reetika Khera (Ms.)
Rakesh Khosa
Sangeeta Kohli (Ms.)
Ritu Kulshrestha (Ms.)

Subodh Kumar
Vivek Kumar
Amit Kumar
Arun Kumar
S. Arun Kumar
B. Kundu
S. Kundu
N.D. Kurur
Vamsi Krishna Komarala
Brejesh Lall
Alok Madan
Puneet Mahajan
Abhijit Majumdar
Anushree Malik (Ms.)
Hitendra K. Malik
Ranjan Kumar Mallik
Bappditya Manna
Vasant Annasaheb Matsagar
Mausam
Aparna Mehra (Ms.)
D.S. Mehta
Amruta Mishra (Ms.)
Sukumar Mishra
Prashant Mishra
Aditya Mittal
Subodh V. Modak
Manju Mohan (Ms.)
Sudipto Mukherjee

K.J. Mukherjee
Amitabha Mukhopadhyay
Angelie Multani (Ms.)
S. Nagendran
Atul Narang
K. Narayanan
Arvind K. Nema
Sunil Nath
B.P. Patel
Sanjiva Prasad
B.S. Panda
Preeti Ranjan Panda
Pulak Mohan Pandey
Raj Kumar Pandey
Siddharth Pandey
B.K. Panigrahi
K.K. Pant
Nalin Pant
Kolin Paul
Sudip Kumar Pattanayek
V. Perumal
Shankar Prakriya
Rajesh Prasad (on sabbatical)
Gaddam Vijay Prakash
B. Premachandran
A. Ramanan
G.V. Ramana



Amit Rawal
N.G. Ramesh
A.D. Rao
P.M.V. Subbarao
P.V. Madhusudan Rao
P.V. Rao
S.C.S. Rao
Anurag Singh Rathore
M.R. Ravi
V. Ravishankar
Anjan Ray
R.S. Rengasamy
Shantanu Roy
Sumantra Datta Roy
Nilanjan Senroy
Subir Kumar Saha
Ambuj D. Sagar
Mahim Sagar
D.R. Sahoo
Sanjeev Sanghi
Sameer Sapra
Huzur Saran
Anil Kumar Saroha
Bhabani Kumar Satapathy
Jagdish T. Shahu
P. Senthilkumaran
Sandeep Sen (on EOL)

Ravi Shankar (Chy.)
Ravi Shankar (DMS)
R.K. Sharma
Satyawati Sharma (Ms.)
Seema Sharma (Ms.)
Shilpi Sharma (Ms.)
M.R. Shenoy
Anupam Shukla
A.K. Shukla
Aloka Sinha (Ms.)
Sujeet K. Sinha
Sawan Suman Sinha
K.A. Subramanian
D. Sundar
Harpal Singh
Jai Deo Singh
J.P. Singh
Kamlesh Singh (Ms.)
Maloy Kumar Singha
Purnima Singh (Ms.)
Rajendra Singh
Ravi Prakash Singh
Shveta Singh (Ms.)
Surya Prakash Singh
S.P. Singh
Sushil
K. Sreenadh
Pankaj Srivastava
T.R. Sreekrishnan

Prabal Talukdar
Geetam Tiwari (Ms.)
Jayan Jose Thomas
Amitabha Tripathi
Sreedevi Upadhyayula (Ms.)
Sanil V.
R.K. Varshney
Anil Verma
M. Veerachary
S.V. Veeravalli
V.K. Vijay

**Three Educationists
from Outside IIT Delhi**

Venu Gopal Achanta
Shahid Jameel
Bharat Bhasker

**Head, Central
Workshop**

D. Ravi Kumar

Librarian

Nabi Hasan

One of the Wardens

Sujin B. Babu
(Nilgiri Hostel)

**Chairperson, Grade &
Registration (UG & PG)**

Rajiv K. Srivastava

**Chairperson, Time
Table Committee**

Shaikh Z. Ahammad

Six Members of Faculty

Ravikrishnan
Elangovan
Sayan Ranu
Bharati Puri (Ms.)
Saswata Bhattacharya
Sampa Saha (Ms.)
Manidipa Banerjee (Ms.)

**Three Alumni
Representatives**

Anjan Ray
Sanjay Gupta
Rajiv Malhotra

**Four Student
Representatives**

Gaurav Chauhan
Rishabh Choudhary
Dharia Singh Arya
Puspita Chanda

**Permanent Invitee - JR/
DR/AR (Academics)**

Atul Vyas
Suresh Kumar Gohar

Registrar

Deepika Bhaskar (Ms.)
(Secretary)



THE CONVOCATION COMMITTEE

Shantanu Roy
(*Chairperson*)

Ashok K. Ganguli

S.G. Deshmukh

J.T. Shahu

Arvind K. Nema

Kamal K. Pant

Naveen Garg

Sunil Kumar Khare

Pramit K. Chowdhury

Anupam Shukla

K. Sreenadh

Pritha Chandra (Ms.)

Rajiv K. Srivastava

Sandeep Kumar Jha

Shaikh Zia Ahammad

Amit Gupta

K. Narayanan

Deepika Bhaskar (Ms.)

Mukesh Khandelwal

Anuj Gaur

G.K. Taneja

Bhim Singh

Joby Joseph

Mukul Sarkar

M.R. Ravi

T.C. Kandpal

P.V. Madhusudan Rao

Abhijit R. Abhyankar

Pardeep K. Gupta

Suresh Kr. Gohar

Atul Vyas
(*Member Secretary*)



ADMINISTRATIVE STRUCTURE

THE VISITOR

Shri Ram Nath Kovind (*Hon'ble President of India*)

CHAIRPERSON, BOARD OF GOVERNORS

Dr. R. Chidambaram

DIRECTOR

Prof. V. Ramgopal Rao

DEPUTY DIRECTORS

Prof. S.G. Deshmukh (*Operations*)

Prof. Ashok K. Ganguli (*Strategy & Planning*)

DEANS

Prof. Shantanu Roy : *Academics*

Prof. Kamal K. Pant : *Faculty*

Prof. S.K. Khare : *Research & Development*

Prof. P.V. Rao : *Planning*

Prof. Naveen Garg : *Alumni Affairs & International Programmes*

Prof. Arvind K. Nema : *Student Affairs*

Prof. J.T. Shahu : *Infrastructure*

Prof. Anurag Singh Rathore : *Corporate Relations*

ASSOCIATE DEANS

Prof. Anupam Shukla : *Academics (Curriculum)*

Prof. K. Sreenadh : *Academics (PG Research)*

Prof. Pritha Chandra (Ms.) : *Academics (Outreach & New Initiatives)*

Prof. Nidhi Jain (Ms.) : *Faculty*

Prof. Sukumar Mishra : *R & D*

Prof. Pramit K. Chowdhury : *Students Events*

Prof. Deepti Gupta (Ms.) : *Hostel Management*

Prof. Reetika Khera (Ms.) : *Student Welfare*

Prof. Abhijit R. Abhyankar : *Infra-Electrical*

Prof. Shashank Bishnoi : *Infra-Renovation*

Prof. B. Premachandran : *Infra-Maintenance*

REGISTRAR

Dr. Deepika Bhaskar (Ms.)



Administrative Structure Contd....

M.K. Gulati	Joint Registrar (Legal)
Kalyan Kr. Bhattacharjee	Joint Registrar E-I, FAA, R&I, Planning, Nodal Officer (Travel Desk)
Atul Vyas	Joint Registrar (Academics, Publication Cell)
Mohd. Shamim	Deputy Registrar (Accounts)
N. Bhaskar	Deputy Registrar (Director's Office, Health Unit, ICC, Nodal Officer for Public Grievances (PG), Vigilance Matters, Gender Grievances)
Alan V. Sinate	Assistant Registrar (Store & Purchase Section)
Mukesh Chand	Assistant Registrar (IRD Accounts)
Deb Ranjan Mukherjee	Assistant Registrar (Accounts)
Sanjay Pande	Assistant Registrar (Estt.-II)
Amitabh Mukherjee	Assistant Registrar (Audit)
Suresh Kumar Gohar	Assistant Registrar (Academics - UGS)
Anand Prakash	Assistant Registrar (Student Affairs, Hindi Cell)
Rama Sharma (Ms.)	Assistant Registrar (IRD)
Mukesh Khandelwal	Institute Engineer (on deputation)
G.K. Taneja	Executive Engineer
Anuj Gaur	Executive Engineer
Ashok Kumar	Executive Engineer
Ashish Kumar Vinodiya	Executive Engineer
Kripa Shankar Tripathi	Executive Engineer
Rafat Jamal	Assistant Executive Engineer
Prem Kumar Singhal	Assistant Executive Engineer
Brahm Prakash	Assistant Executive Engineer
Raju Ram Parihar	Assistant Executive Engineer
Pradip Karmarkar	Assistant Executive Engineer
Prem Singh Rawat	Assistant Executive Engineer



Administrative Structure Contd....

Vir Bhan Singh	Assistant Executive Engineer
Lily Khosa (Ms.)	CMO (SAG), (Additional Charge, Head, Hospital Services)
Ajay Kumar Jain	CMO (SAG), (Associate Head, Hospital Services)
M.K. Sagar	CMO (SAG)
Anila Khosla (Ms.)	CMO (SAG)
P.K. Rajesh	CMO (Homeopathy)
Md. Ashafaque Hussain	CMO
Sayed Yasmeen Raunaq (Ms.)	Sr. Medical Officer
L. Pangerlemba	Sr. Medical Officer
Rajlaxmi Borah (Ms.)	Medical Officer
Shalini Singh (Ms.)	Medical Officer (Dental) (on contract)
Deepak Negi	Sports Officer
Anishya O. Madan (Ms.)	Industrial Liaison Officer, Head (Office of Career Services)
Shachi Mathur (Ms.)	Student Counsellor
Aakriti Astha (Ms.)	Assistant Student Counsellor
Sandeep Sharma	Security Officer and Transport Unit
Shiv Prakash Yadav	Public Relations Officer, PIO
Bhupender Singh	Principal Tech. Officer
Uday Dadwal	Tech. Officer

OATH

I hereby pledge that it shall be my constant endeavour to be scrupulously honest in the discharge of my duties as Engineer and Scientist;

to uphold the dignity of the individual and the integrity of the profession;

to utilise my knowledge of Technology and Science for the glory of the Institute in the service of the country and mankind at large.



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