

## THIRD CONVOCATION

### PROGRAMME



**3<sup>rd</sup> CONVOCATION**  
**09<sup>th</sup> April, 2020**

### VISION

Committed to holistic development of lives and society by imparting knowledge of science and technology and crystallizing the future.

### MISSION STATEMENT

Application of knowledge through learning and inculcating research-oriented mindset towards design and innovative development for realistic societal solutions.

### QUALITY POLICY

- To create an environment for holistic learning and development.
- To provide academic excellence, good governance, team work and spirit towards the development of responsible citizen.
- To provide opportunities for Research, Innovation, Creativity initiatives to reflect high level of Intellectual Professionalism towards achieving Excellence.
- To provide infrastructure and facilities benchmarked to reflect the High Standard and Latest Technology.
- To provide state-of-the-art laboratories with latest Equipment and Instruments.
- To provide the highest level of cleanliness, hygiene, safety, discipline environmental consciousness in the institute.

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## MINUTE-TO-MINUTE PROGRAMME (April 09, 2020)

### Venue: Air Force Auditorium

Time (hrs)	Activity
10:00h	Announcement of Instructions and Do's and Dont's
11:00h	Reception of the Chief Guest
11:05h	The Chief Guest is introduced to the members of the BOG, Senate, Deans and HoDs by the Director.
11:15h	BOG members, Senators, Deans, and Department Heads assemble at the venue for group photograph followed by line up for the Procession
11:20h	Academic Procession begins
11:25h	Academic Procession reaches the Dais
11:26h	National Anthem
11:30h	Lighting of Lamp
11:35h	Felicitation of the Dignitaries on Dais
11:40h	With the Permission of the Chief Guest, the Director cum BoG Chairman declares the Convocation open.
11:42h	Welcome Address and presentation of Institute's Report by Director cum BoG Chairman, NIT Delhi and Introduction of the Guest of Honour
11:55h	Convocation address by the Guest of Honour
12:00h	Introduction of the Chief Guest by Director cum BoG Chairman, NIT Delhi
12:02h	Convocation address by the Chief Guest
12:15h	The Chairman, BOG cum Director signs the scroll of Award of Degrees
12:17h	Presentation of Degrees:  Ph.D.: Director M. Tech: Guest of Honour B. Tech: Chief Guest
13:15h	Presentation of Medals by The Chief Guest to the students
13:25h	Administration of Oath to the Degree Recipients by the B. Tech student who received the President's Gold Medal
13:30h	The Director cum Chairman, BOG with the permission of the Chief Guest declares the Convocation closed
13:31h	National Anthem
13:32h	Academic Procession Leaves the Dais

### CHIEF GUEST



**Dr. Ramesh Pokhriyal 'Nishank'**  
**Hon'ble Minister of Human Resource Development,**  
**Department of Higher Education**

Shri Ramesh Pokhriyal 'Nishank' was born in 1959 in a remote village, Pinani of Pauri district of Uttarakhand. His early childhood lacked in many aspects due to his financially humble background. Despite this, the brilliance of his intellect stood out. He initially served society as a teacher and later as a journalist. His political journey started in 1987 as the central spokesperson of the Uttar Pradesh (now Uttarakhand) Sangharsh Samiti. In 1991, he was elected as an MLA from the Karnprayag Assembly. In 1996, for the first time, he became a Cabinet Minister in Uttar Pradesh.

With the establishment of the Uttarakhand state, he became the Finance Minister and was handed over 12 important departments. In the year 2007, he became the Cabinet Minister and in 2009 the Chief Minister of the State. He was elected as a member of the sixteenth Lok Sabha of India from Haridwar with an overwhelming majority of MPs. Re-elected from this Lok Sabha in the year 2019, he has now taken up the important responsibility of the Ministry of Human Resource Development, Government of India.

He is recognized in the country and abroad as a writer, litterateur, poet, sensitive thinker on the Himalayas and the Ganges. He has kept sensitive issues of Himalayas and Ganges in the Parliament. His contribution to Ganga cleanliness, especially by leading Sparsh Ganga campaign, has encouraged active public participation for the cause.

About 15 people has either completed or doing research on his literature. He has written more than 75 books. His books have been translated into every Indian and many foreign languages. More than 15 countries had honoured him. Our country is constantly benefiting from such an honourable Human Resource Development Minister.

<https://hrm.mhrd.gov.in/ministers-profile>

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### Guest of Honor



**Prof. (Dr.) K. K. AGGARWAL**  
**Chairperson,**  
**National Board of Accreditation (NBA)**

Prof. Aggarwal, obtained his Bachelor of Engineering Degree from Punjab University and a Masters Degree from NIT, Kurukshetra. Later, he did his Ph.D also from NIT, Kurukshetra. After a distinguished service of 27 years at NIT, Kurukshetra, Prof. Aggarwal served as Pro Vice-Chancellor, GJU, Hisar for a period of three years, and then as Founder Vice Chancellor of GGS Indraprastha University, Delhi for a period of 10 years. He has been President of the Institution of Electronics and Telecommunication Engineers (IETE) for the period 2002-2004, President, Computer Society of India from 2007-2009 and President of South East Asia Regional Computer Confederation (SEARCC) from 2008-10. Prof. Aggarwal has published approximately 400 papers in reputed journals – about 50% of these are in international journals. He has been widely consulted by the industry, most-notable being his contribution towards the Reliability Analysis for PSLV (Polar Satellite Launch Vehicle). Prof. Aggarwal was conferred the Honorary Fellowship by Broadcast Society of India. He was decorated with Life Time Achievement Award by IETE and also by Computer Society of India. Prof. Aggarwal has been associated with NBA in various capacities since its inception and was Chairman, EEAC ( Tier-II ) before taking over as Chairman, NBA on 14th January, 2019

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### Chairperson-cum-Director NIT Delhi



**Professor Praveen Kumar**  
**Director NIT Delhi**

Professor (Dr.) Praveen Kumar is Director of National Institute of Technology Delhi since October 10, 2018. Before taking this responsibility he has been Professor of Civil Engineering (HAG Scale) at the Indian Institute of Technology, Roorkee. He worked as Associate Dean (Faculty Affairs) of IIT Roorkee since Jan 2010 to Dec 2012. He was assigned the responsibility of Coordinator, Transportation Engineering Group of Civil Engineering Department for the session 2010-2012 and again on Dec 2015 to July 2018. He obtained his B.E. degree from M.R.Engg. College, Jaipur (now NIT), M.E. and Ph.D. from the University of Roorkee (now IIT Roorkee). He served at the Central Road Research Institute, New Delhi for six years as a Scientist in Soil Stabilization and Rural Roads Division. He has wide experience of test track construction using waste materials in Andhra Pradesh, Bihar, Orissa and Delhi. His areas of specialization are Waste Material Utilization in Low Cost Roads, Rural Roads Network Planning, Pavement Materials, Pavement Performance Studies and Intelligent Transport System. Dr Praveen Kumar has published about 400 research papers in National and International Journals and Conferences. He has completed about 200 sponsored and consultancy projects. He has developed the Rural Roads Master Plans of various districts in Andhra Pradesh, Rajasthan and Uttar Pradesh based on Optimal Rural Road Network Planning. He has edited CRRRI Research Journal “Sadak Darpan” for about Six Years. He has won CSIR National Prize for the year 1995-96. He was awarded the Best Research Paper Award (Bihar PWD Medal) by Indian Roads Congress for year 1999-2000 and again in 2016-17. All India Council for Technical Education (AICTE) has given him the prestigious “Young Teachers’ Career Award” for R & D work on Low Cost Roads. He is also a recipient of the highest award of Indian Roads Congress –Pt. Jawaharlal Nehru Centenary Award-2000. The Institution of Engineers (India) has given him the Best Paper Award in 2002, 2009 and 2013. Indian Institute of Technology, Roorkee has given him Outstanding Teacher Award for 2003, 2007 and 2011. Besides Best Paper award of ISCMS-2002, where he was adjudged the Star Performer for overall Performance by IIT Roorkee in 2003-04, 2004-05 and 2005-06. Air India has given him BOLT (Best Teacher Award) in 2006 & again in 2007. Dr Praveen Kumar was a part of Six Member National Executive Committee of Pradhan Mantri Gram Sadak Yojna (PMGSY) looking after the Mega Yojna at National Level for 2003 to 2018. He was Coordinator of Principal Technical Agency and State Technical Agency for PMGSY till 2018. He has organized 40 training courses at IITR to train about 1200 field engineers of UP and Uttarakhand for PMGSY. He has delivered a number of lectures in various parts of the country for the benefit of engineers of North East, Gujarat, Maharashtra, Madhya Pradesh, Himachal Pradesh, Haryana, Jharkhand, Jammu & Kashmir etc. He has also contributed to the manual of rural roads developed by Rural Roads Committee of IRC (H-5). Dr Praveen Kumar has developed various softwares, which are useful in the field of Roads and Road Transport. Dr Praveen Kumar has guided Fourteen Ph.Ds. and Ninety Three M.Tech. theses in Transportation Engg. Six Ph.Ds are in progress. He has organised Several Conferences as Organizing Secretary. He has served the Civil Engineering Department in various administrative capacities including O.C. Purchase, O.C. Central Facilities and Staff advisor, Cognizance-2004, 2005. He has been the Editor of IIT News Letter Samvaad and IIT Annual Report for about 10 years. He has served as Chairman of Library Advisory Committee of IITR for three years. President of India has nominated him as Visitor’s nominee for Selection Committee of Civil Engineering Department of IIT Delhi, IIT Madras, IIT Jodhpur and Court of Banaras Hindu University (BHU). He is also Council Nominee in Board of Governors of IIT-BHU.

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### DIRECTOR'S REPORT NATIONAL INSTITUTE OF TECHNOLOGY, DELHI

Hon'ble Chief Guest, Dr. Ramesh Pokhriyal 'Nishank' Hon'ble Minister of Human Resource Development, Department of Higher Education, Hon'ble Guest of Honour Prof.(Dr.) K.K.Aggarwal, Chairperson, National Board of Accreditation (NBA), Registrar, Hon'ble Members of the Board of Governors, Members of Academic Senate, Graduating Students, their family members, invited dignitaries, distinguished guests, members of the media, Faculty and Staff Members of NIT Delhi. It gives me immense pleasure to extend a very warm welcome to all of you on the occasion of Third Convocation of National Institute of Technology, Delhi.

As the graduating students stand here today for the convocation, it's time to reflect upon yesterday, appreciate today and anticipate tomorrow. In each student who is graduating today we can see a brave new world and they have made us proud. Today is a moment of celebration & hope and I thank all those present here for being witness to this momentous occasion.

#### ABOUT THE CHIEF GUEST

It is our privilege on this historic occasion to have with us the Hon'ble Chief Guest, Dr. Ramesh Pokhriyal 'Nishank' Hon'ble Minister of Human Resource Development. Sir, I

would like to extend my heart-felt gratitude for accepting the request to grace this occasion with your esteemed presence and to deliver the Convocation Address. The entire family of NIT Delhi is obliged to you for this amicable gesture forever. Your presence and words will always encourage the Institute to new height in future. We once again extend a very hearty welcome to you and look forward to hear the convocation address.

#### REPORT

It is my pleasant duty now to present a report of the activities of this Institute from the time of its establishment till now. I would now like to begin the report with the genesis of this Institute.

#### GENESIS

The Government of India decided to set up ten new NITs during 11<sup>th</sup> five-year plan in the year 2009 and NIT Delhi was one of them established in the year 2010 as an Institute of National Importance under the aegis of Ministry of Human Resource Development, Government of India. NIT Delhi was registered as a society on 2<sup>nd</sup> June 2010 under the Society Registration Act, 1860 and was brought in the ambit of National Institute of Technology Act, 2007 through an amendment of Act in the year 2012.

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Initially, in order to closely monitor and facilitate the work of Institute, NIT Delhi was mentored by NIT Warangal. For two academic years 2010-11 to 2011-12, NIT Delhi was nurtured by NIT Warangal with all necessary academic and research facilities.

The site selection committee was constituted on 25<sup>th</sup> November 2011 by Ministry of Human Resource Development, GOI to finalize site for permanent campus of NIT Delhi. The Committee visited some pre-identified sites in Delhi region in consultation with DDA & Govt. of NCT, Delhi on 8th June 2012 to ascertain the suitability and to give its recommendations in respect of site for permanent campus of NIT Delhi. As per the recommendation of site selection committee, Narela sub city Delhi was identified as site for NIT Delhi.

In the year 2012, NIT Delhi shifted from its Mentor Institute NIT Warangal to its own state location at its temporary premises “Integrated Institute of Technology, Dwarka” and the same was formally inaugurated on August 12, 2012.

After cabinet decision on 25<sup>th</sup> April 2013, land measuring 51.4 acres (20.8 hectares) was allotted by Govt. of NCT, Delhi for setting up of NIT Delhi.

On behalf of MHRD the physical possession of land at Narela for setting up NIT Delhi was taken over on 26<sup>th</sup> August 2014.

Further, due to paucity of space for creation of essential laboratories and workshops and also due to insufficient hostel

accommodation for boys and girls at Integrated Institute of Technology Dwarka, the nearby campus National Institute of Labour Economics Research and Development (NILERD), (set up by the Planning Commission) was identified as transit campus of NIT Delhi. After creating the required academic as well as administrative facilities at the proposed transit campus, Institute was shifted to Narela on 18<sup>th</sup> February 2014. The facilities and infrastructure of the present transit campus have been enhanced and upgraded to make it a digital campus.

On 3<sup>rd</sup> September 2014, No Objection Certificate was issued by DDA to Ministry of Human Resource Development, Dept. of Higher Education, GOI for setting up NIT Delhi at Narela site. The NBCC as executing agency for construction activities of NIT Delhi was approved by the Chairman, BOG on September 25, 2014 and letter in this regard was issued to NBCC on October 14, 2014. The construction work of boundary wall was started in December 2014 and completed in the beginning of 2016. The appointment of architect consultant of Architectural planning and Engineering Consultancy Services for NIT Delhi Campus at Narela was done on 12<sup>th</sup> March 2015 in consultation with NBCC. The final master plan of NIT Delhi was presented by Architect consultant before the members of BOG and BWC for consideration and the same was approved by the Board on 11<sup>th</sup> July 2015.

The memorandum of understanding for construction of NIT Delhi campus at Narela site was executed between NIT

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Delhi and NBCC on August 12, 2015. Various clearances have already been obtained from Survey of India, Airport Authority of India, Archaeological Survey of India, Department of fire and the rest of the statutory approvals were also obtained.

NBCC issued the tender for construction of the Phase-1 of NIT Delhi on August 05, 2016 with a specified completion period of 18 months and construction work is already going in full swing. In October 2018, I, Prof. Praveen Kumar, Professor of Department of Civil Engineering, Indian Institute of Technology Roorkee, took over the charge of Director of NIT Delhi. I am happy to announce that NIT Delhi is planning to shift into its permanent campus probably from the coming Academic Year.

### HOSTELS

There are four hostels available for students at different locations. Each hostel is provided with the following facilities: Mess, Gym, Indoor and outdoor game facilities, Television facility, Washing Machines, RO water supply.

S. No.	Hostel and Address	Girls/Boys	No. of Students
1	PG Girls' Hostel, NIT Delhi, Sector A-7, Institutional Area, Narela, Delhi	Girls	31
2	NIT Girls Hostel- 2, 3 & 4	Girls	55
3	Boys Hostel, Raja Hairshchandra Hospital, Narela, Delhi	Boys	134
4	Boys Hostel, TDI Kundli, My Floor-2, Sonapat, Haryana	Boys	198

### ACADEMIC ACTIVITIES

Admission of students into undergraduate programme in Computer Science and Engineering, Electronics and Communication Engineering, and Electrical & Electronics Engineering started from the academic session 2010-11 with first batch of 30 students in each discipline. The academic activities of NIT Delhi were initiated at NIT Warangal in the year 2010 which later moved to a temporary campus at Dwarka, New Delhi in June 2012 and presently running at NILERD Transit Campus, Narela since February 2014 with limited space of about 17 acres.

From the academic year 2013-14 the students intake in each B.Tech programme has increased to 60, which is increasing in every academic year. M.Tech programme in the discipline of Electronics and Communication Engineering with student intake of 15 students was started from the academic year 2013-14 and in Computer Science and Engineering (Analytics) with an intake of 15 students in the academic year 2014-15. The M.Tech programmes were also started in Mechanical Engineering (CAD/CAM) from August, 2016 and in Electronics and Communication Engineering (VLSI Design) and in Electrical Engineering (Power Electronics and Drives) from August 2017. Admissions to all the UG programmes are through an all India level competitive ex-



am (JEE-Main) followed by centralized counselling process of JoSAA and for all PG programmes on the basis of valid GATE score followed by centralized counselling process of CCMT.

In order to give boost to research activities, Ph.D. programmes were also started from January 2014, in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Chemistry, Physics, Mathematics and Management.

NIT Delhi at present has following academic departments with sub branches:

### **U.G. Programmes:**

1. Computer Science and Engineering
2. Electronics and Communication Engineering
3. Electrical Engineering

### **P.G. Programmes:**

1. Computer Science and Engineering (Analytics)
2. Electronics and Communication Engineering
3. Electronics and Communication Engineering (VLSI Design)
4. Mechanical Engineering (CAD/CAM)
5. Electrical Engineering (Power Electronics and Drives)

### **Ph.D. Programmes:**

1. Computer Science and Engineering
2. Electronics and Communication Engineering
3. Electrical and Electronics Engineering
4. Mechanical Engineering
5. Applied Sciences (Physics, Chemistry, Mathematics, Environmental Sciences and Engineering)
6. Humanities & Management

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Current sanctioned intake of students at UG and PG level of NIT Delhi are as follows.

### Undergraduate:

Computer Science and Engineering	Electrical Engineering	Electronics and Communication Engineering
60 (Regular) + 9 (DASA)	60 (Regular) + 9 (DASA)	60 (Regular) + 9 (DASA)

### Postgraduate:

Computer Science and Engineering (Specialization: Analytics)	Electrical Engineering (Specialization: Power Electronics and Drives)	Electronics and Communication Engineering	Electronics and Communication Engineering (Specialization: VLSI Design)	Mechanical Engineering (Specialization: Computer Aided Design and Manufacturing)
15 (Regular) + 2 (DASA)	15 (Regular) + 2 (DASA)	15 (Regular) + 2 (DASA)	15 (Regular) + 2 (DASA)	15 (Regular) + 2 (DASA)

\* DASA: Direct Admission of Students Abroad

### Current Students' Strength of NIT Delhi:

Category	UG				PG				Ph.D.			
	Male		Female		Male		Female		Male		Female	
	NPH	PH	NPH	PH	NPH	PH	NPH	PH	NPH	PH	NPH	PH
General	185	7	38	0	30	0	10	0	30	0	29	0
SC	73	1	14	0	15	0	1	0	6	0	2	0
ST	43	0	9	0	0	0	1	0	1	0	0	0
OBC	165	5	19	0	28	0	9	0	8	0	4	0
EWS	0	0	0	0	0	0	0	0	0	0	0	0
DASA	40	0	9	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>506</b>	<b>13</b>	<b>89</b>	<b>0</b>	<b>73</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>45</b>	<b>0</b>	<b>35</b>	<b>0</b>
<b>Total Male/ Female (Course-wise)</b>	<b>519</b>		<b>89</b>		<b>73</b>		<b>21</b>		<b>45</b>		<b>35</b>	
<b>Total (UG/PG/Ph.D.)</b>	<b>608</b>				<b>94</b>				<b>80</b>			

PhD Students: 80

The total number of students enrolled at present at undergraduate, postgraduate and Ph.D. levels are 782. Academic regulations of the institute have been made student friendly and are available on Institute Website. In order to promote an academic transparency, the evaluated answer sheets are shown to the students at the end of every examination. Online Student Management System has been implemented right from student registration to generation of their grade sheets. Syllabi of all UG & PG programme have been revised as per need and requirement of the industry and CGPA system has been introduced. PG & Ph.D students also receive financial assistance under various schemes of MHRD, UGC etc.

## RESEARCH & DEVELOPMENT ACTIVITIES

Research projects & internships are undertaken by the students of the Institute as a part of undergraduate & postgraduate programmes. Since inception, the faculty and students of the Institute are involved in research & project activities.

The faculty members are actively involved in setting up of new U.G. & P.G. laboratories as well as research labs and new courses of study. I would like to place on record that the faculty members of NIT Delhi have shown an indomitable spirit to their chosen fields. De-



spite various stumbling blocks, such as long hours to commute, extra work load due to less faculty in each department, they kept up their dedication and enthusiasm to uplift NIT Delhi.

Our Institute has been acknowledged and many faculty members have won awards and recognitions at national and international levels. Besides this, other faculty members and students have also won several awards.

The institute also aims at enhancing Research & Development activities and establishment of Research Parks and Incubation Centres to promote Start-up India campaign as a Nodal Centre. NIT Delhi has established a startup centre in collaboration with Department of Science & Technology and the Ministry of Human Resource Development. The centre provides working space and seed grant for the enrolled start-ups.

Many Ph.D. students have visited reputed Institutions abroad, like National Chiao Tung University, National Chung Cheng University in Taiwan, Honkong Polytechnique University, University of Tartu, Estonia etc. for internships/ research visits in last two years.

Faculty members are regular visitors of various academic Institutions within India and outside India for at-

tending national, international conferences and for research collaborations etc.

### **Research Areas**

NIT Delhi has laid great emphasis on theoretical and experimental research since its inception, at Delhi. Key areas of research in Engineering, Sciences & Technology includes the following:

#### **Computer Science & Engineering**

Databases, High-Level Query Language Interfaces, Usability of Query Languages, Data Modeling, Electronic Health Records (EHRs), Standards for Electronic Health Records, Mining standard based Healthcare Data, Semantic Interoperability, Complex Networks, Growing Networks, Dynamics of information in complex networks, Graph Spectra, Attacks on Complex Networks, Community structure in Social Networking, Link Analysis, Recommender Systems, Image Processing, Computer Graphics, Mobile Security, 5G, IPv6, VANET, Cloud Computing, Internet of Things (IoT), Cyber Security, Machine Learning, Biometrics, Machine Learning, Image Processing and deep Learning, Machine Learning, Healthcare, Pattern Recognition and Reinforcement Learning.



### **Electronics & Communication Engineering**

Computer Architecture, VLSI Design and Embedded Systems, Semiconductor Devices; Electronic Circuits & Devices; Optoelectronics & Optical Communication, Nano photonics etc, Wireless Sensor Networks, Image and Video Processing, Digital VLSI Design, Standard cell library characterization, Delay Modeling, Digital Signal Processing, Bio-medical Signal Processing, Real-time Signal Processing, Optical Communication Networks & Opto-electronics, Digital & Broadband Wireless Communication, RoF & FSO Communication, Electronic & Photonic Devices, RF Energy Harvesting, Antenna and High Frequency Circuit Design, Game Theory, P2P networks, Blockchain, Social Networks, RF and Microwave Circuits (Ultra-Wideband Bandpass Filters, Filterantenna), Telecommunication Networks and Wireless Communication Systems, Computer Vision, Image and Signal Processing and Robotics.

### **Electrical Engineering**

Power Electronics, Application of Power Electronics to Renewable Energy Systems, Smart DC Grids (Micro/Nano), Modeling, Design and Digital Control of DC-DC Conversion System, Embedded Systems and IoT, Power System Reliability, Load Flow Analysis, Failure Analysis, Bayesian Analysis etc., Control Systems, Time-delay systems, Power Electronics, Renewable Energy, Modelling of Converters, AC to AC Power

Conversion, & FPGA Design, Pattern recognition, Biometrics, Medical image processing, Renewable Energy, Speech recognition, speech enhancement, Digital Signal Processing, control systems, Power System Restructuring /Deregulation, Electricity Market, Distributed Generation, Renewable Energy, Security Analysis, Fault Detection, Operation and Control of Power Systems, Smart Energy Network, Distributed Energy Resources and Smart Grid, Power Quality Issue of Distribution System, Smart Distribution System Modeling and Simulation and Distributed Resources Optimization, Solar Energy, Direct Energy Conversion Systems: Photovoltaic, Thermoelectric & Thermionic Systems, Modeling, Design & Simulation of Solar Photovoltaic, Solar Thermal and Thermoelectric Systems for Power Generation and Space Conditioning, Power Quality, Parallel operation of VSIs and PWM Techniques.

### **Mechanical Engineering**

Numerical Modeling and Simulation, Mechanical Behavior of Materials, Manufacturing Science, Advanced Machining Processes, Boiling Heat Transfer, Refrigeration, Fluid Flow.

### **Civil Engineering**

Structural Dynamics, Geotechnical Dynamics, Earthquake Resistant Design of Structures



## Mathematics

Hydrodynamic stability, Fluid instabilities in porous media, Computational fluid dynamics (Ocean wave height analysis), Hazards ocean wave (Linear and nonlinear wave), Modeling and simulation of wave induced oscillation in coastal region, Numerical analysis of partial differential equations, Domain decomposition methods, Fractional partial differential equations.

## Physics

MHD Simulations, Nonlinear phenomena, Plasma physics, Digital holography, Holography, Biomedical optical instrumentation, Optical metrology, Nano-Plasmonics, Optical Sensors and Biosensors, Computational lithography, Photonic Device Modelling, Technology Management, Microstrip Antennas & Design.

## Chemistry

MOF Chemistry, Coordination Chemistry, Organic Chemistry, Medicinal Chemistry, Material Chemistry, Green Chemistry, Porous Materials.

## Humanities and Management

Cognitive Sciences, ESL/EFL, Bilingualism, Applied Linguistics, "Human Resource Management & Organizational Behaviour".

## SPONSORED RESEARCH PROJECTS

Institute provides in-house seed grant up-to Rs. 10 lakh for research projects to solve societal problems. Faculty of NIT Delhi has been successful in competing for research grants from several funding agencies including DST, CSIR, MHRD & SERB and some of the projects allotted to NIT Delhi during recent past include following over all statistics.

Seed Grant Projects: <u>06</u>	DST Projects: <u>05</u>
DST- SERB Projects: <u>04</u>	CSIR Projects: <u>02</u>
Any other project: <u>No</u>	

## PUBLICATIONS

The institute faculty is actively involved in R&D activities and publishing their research findings in various refereed Journals and conferences at National/International level.

The tentative number of publications in various journals and conferences, books published etc. till date is:

International Journal	132
National Journal	0
International Conference	106
National Conference	16
Book Chapter	26
Book	3

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### STUDENT ACHIEVEMENTS AND ACADEMIC INTERACTION ACTIVITIES

Following are some of the Student Achievements and Academic Interaction activities of various departments since last convocation.

#### STUDENT ACHIEVEMENTS

##### B.Tech

Name	Batch	Current Status	Organization
Anurag Saaad (ECE)	2012-2016	Govt. Job with Clearing IES	Ministry of Railways, Govt. of India
Jasleen Kaur (ECE)	2013-2017	Direct PhD after B. Tech	IIT BHU
Julia Ann Jose (ECE)	2015-2019	Pursue Masters	Arizona State University, USA
Sarthak Rawat (ECE)	2013-2017	Pursue Masters	Lake Head University, Canada
Ansuman Shubham (ECE)	2014-2018	Pursue Masters	IIT BHU
Abhishek Verma (ECE)	2015-2019	Pursue MBA	IIM Rohtak

##### M.Tech.

Name	Batch	Current Status	Organization
Jegyasu Gupta (ECE)	2017-2019	Pursue PhD	IIT Guwahati
Md. Sadullah (ECE)	2017-2019	Pursue PhD	IIT Mandi
Kandi Praveen Kumar (ECE VLSI)	(2018 -2020)	Pursue One year Internship	STMicronics Pvt. Ltd, Greater Noida, India
Mr. Karan Kumar (ECE VLSI)	(2018 -2020)	Pursue One year Internship	STMicronics Pvt. Ltd, Greater Noida, India
Mr. Sanket Sonar (ECE VLSI)	(2018 -2020)	Pursue One year Internship	STMicronics Pvt. Ltd, Greater Noida, India
Ms. Richa Thakur (ECE)	(2017-2019)	Job	Intel Technology India Pvt. Ltd. Bangalore, India.
Ms. Megha Singh (ECE)	(2017-2019)	Job	Intel Technology India Pvt. Ltd. Bangalore, India.
Mr. Ankit Gupta (ECE)	(2017-2019)	Job	Qualcomm , Bangalore, India
Ms. Shreya Goyal (ECE)	(2017-2019)	Job	STMicronics Pvt. Ltd, Greater Noida, India
Ms. Divya (ECE)	(2017-2019)	Job	Research Associate, R.I.S.E Group, IIT Madras, India
Mr. Yogesh Pal (ECE)	(2017-2019)	Job	Western Digital, Bangalore, India



## Ph.D.

Name	Batch	Current Status	Organization
Mr. Harshvardhan Kumar	2017 Registration	Summer Internship	National Chun Cheng University, Taiwan
Ms. Jaspinder Kaur	2017 Registration	Summer Internship	National Chun Cheng University, Taiwan
Mr. Rohit Kumar	2015 Registration	Post Doctoral Fellow	University of Southern California, USA

## ACADEMIC INTERACTION ACTIVITIES

Name of the Event	Duration	Organizer
VLSI Chip Design Hands-on using open source EDA	July 8 – 12, 2019 & 16-20 Dec, 2019	Computer Science & Engineering Department and Electronics & Communication Engineering Department
Expert talk by Prof. R. C. Bansal of University of Sarjah, UAE on "Integration of Renewable Energy Sources"	23/08/2019	Electrical Engineering Department

## COLLABORATIONS

NIT Delhi credits itself in establishing international collaboration with some of the leading international academic institutes and industries. The institute has signed several Memoranda of Understanding (MoUs) to promote active interaction with Research and Industrial Organisations. NIT Delhi has signed MoUs of Academic and Professional collaborations with some of the reputed Institutions at National and International Level. The Institute has signed approximately 26 MoUs with various institutes, industrial organizations & PSUs viz;

- NETWORK “n+i” of Engineering Institutes
- Dr. APJ Abdul Kalam Centre
- Krytos Mobiles
- Bhagwan Mahaveer Viklang Sahayata Samiti Jaipur\_
- National Institute of Technical Teachers Training & Research, Chandigarh
- Ambedkar Institute Of Advanced Communication Technologies And Research, New Delhi
- Bharat Sanchar Nigam Limited (BSNL)
- CDAC Pune and Noida
- Cleen Ltd, University of Finland
- Central Scientific Instruments Organization, Chandigarh

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- Indian Institute of Technology Delhi
- Mobile Tutor Pvt Ltd
- School of Planning and Architecture, New Delhi
- Tata Power Company Ltd
- University of Maryland, USA
- NSDL, New Delhi
- TDI Infrastructure Ltd
- NILERD
- Shodhganga
- Lahti\_University\_Finland
- DAV Institute of Engineering and Technology, Jalandhar
- INFLIBNET Centre
- CMPL
- Globalenglish Master Subscription Agreement
- Dr. B.R. Ambedkar NIT Jalandhar
- Organizing Chairman, GATE 2018

### LIBRARY FACILITIES

The Central Library, NITD was established in the year 2012 to facilitate the access of informational resources to all the students, research scholars and faculty members of the Institute. The Central Library acts as the primary information resource Centre and the repository of various printed as well as electronic resources that supports teaching, research and all the academic activi-

ties of the Institute. The Library is housed on the second floor of the building in midst of the campus which is easily accessible from all departments. All students, faculty members and employees of the Institute are entitled to make use of the Library facilities by taking library membership.

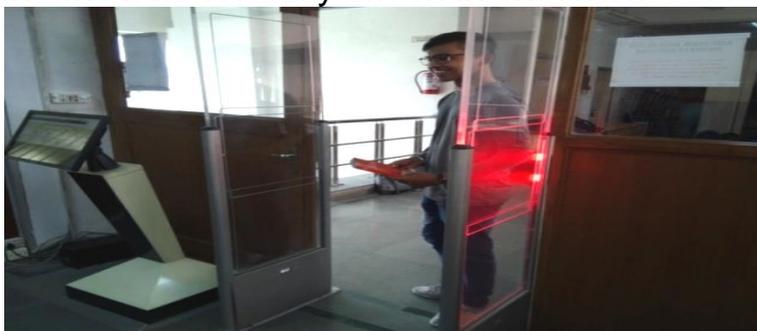


The subject areas covered by the Library includes: Computer Science, Electrical Engineering, Mechanical Engineering, Mathematics, Physics, Chemistry, Economics and Management etc. Apart from the above, the library have general reading purpose material on sports, yoga, competitive exams like GATE/IES & magazines on general awareness, current affairs, specialised subject magazines like Autocar, Digit, Electronics for You, ASME Magazine etc.



### AUTOMATED LIBRARY MANAGEMENT SYSTEM

- The library is connected to the campus LAN and Wi-Fi facility.
- The Library uses LIBSYS 7 software package which is an integrated multi-user library automation management system that supports all in-house activities of the library.
- The Library have RFID (Radio Frequency Identification) based automation and circulation system (self check-in/check-out). The 'RFID Security Gates' are also installed in the library to prevent library resources from theft activities.
- The Library has provided RFID Smart Card facility to all the students, faculty/non-faculty members of the Institute for easy check-in/check-out services.



- The Library have 24x7 WebOPAC facility through which a user can access the bibliographical details of the library collection/resources anywhere and anytime (i.e. via Internet or intranet). The database of the entire library acquisitions is being

updated on regular basis along with details of recently acquired books.

### LIBRARY COLLECTION (PRINTED & ELECTRONIC)

**Books (Printed):-** The Library has a collection of total 14734 printed books (including Book Bank) related to the Computer Science, Electrical, Mechanical Engineering, Mathematics, Physics, Chemistry, Economics and Management etc. Apart from this, the library has general reading purpose material on sports, yoga, competitive exams like GATE/IES etc.

**E-Databases:** The Library subscribe 05 full text E-Databases (through eShodh Sindhu/Self Subscription basis) namely Elsevier Science Direct, IEL Online (IEEE+IET), Springer Link (1700+ journals), ACM Digital Library, ASME which gives access to 6000+ e-journals/magazines/conference papers etc.

**CD's/DVD's:** The Library have approximately 1170 + CDs & DVDs related to various software, games, textbooks etc.

**Thesis and Dissertations:** - The copies of total 158 thesis & dissertation have been submitted to the library by M.Tech/Ph.D students of the Institute. The thesis &



dissertations are processed and displayed in the library for the reference purpose of the library users.

**Magazines & Newspapers:** The Central Library subscribes 22 printed Magazines and 11 newspapers in both Hindi and English.

**NPTEL:-** The Library has around 6000+ NPTEL video lectures of various IITs, NITs, IISc etc. in the area of Science & Technology. The NPTEL (National Programme on Technology Enhanced Learning) video facilitates web video courses in Engineering, Science Technology and humanities streams.

### LIBRARY SERVICES & FACILITIES

- Library Membership Facility (to all students & staff members).
- Circulation Facility (Self Check-in/Check-out facility).
- 24x7 Bibliographic Search Facility of Library Resources (through WebOPAC)
- Book Bank Facility (to all B.Tech/M.Tech Students).
- Books Renewal & Reservation Facility.
- Email Alert Services.
- E-Resources Access Facility.
- Current Awareness Services.
- RFID Smart Card Facility.

- Reference and Information Services.
- Plagiarism Check Facility.
- Book Recommendation Facility (to Faculty/Staff Members).
- Bi-Monthly/Weekly Newspaper Clipping Service related to Science & Technology.
- Training/Orientation Programme Facility to students and staff members of the Institute for the usage of various Library resources.
- Reading Room Facility.
- Library Hours Extension Facility (i.e. upto 9:00 pm during examination days).

### E-LIBRARY SERVICES/FACILITIES AT A GLANCE

**E-Databases:** The Library subscribe 05 full text E-Databases (through eShodh Sindhu/Self Subscription basis) namely Elsevier Science Direct, IEL Online (IEEE+IET), Springer Link (1700+ journals), ACM Digital Library, ASME which gives access to 6000+ e-journals/magazines/Conference papers etc. The remote access facility for the respective E-Databases is also provided by the library through which the users can access the E-Databases anywhere and anytime.

**Turnitin (Anti-Plagiarism Software):** The Central Library has provided plagiarism check facility through Turnitin software to all the M.Tech/PhD research scholars and faculty members of the Institute till December

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2019. Turnitin is leading originality check and plagiarism prevention software that encourages best practices for using and citing other people's written material.

**URKUND (Anti-Plagiarism Detection Software):-** Recently the Ministry of HRD has provided access to Urkund (Plagiarism Detection Software) through Central Funding Scheme to all the Universities/Institutions since 1<sup>st</sup> September 2019 to enhance quality of the research in India and prevent plagiarism in research/academic publications. Thus, in this regard, the NIT Delhi is getting access to Urkund software and Central Library is working as a Institute coordinator to facilitate the services of the Urkund in our Institute.

**WebOPAC (Open Public Access Catalogue):-** The Central Library provides 24x7 bibliographic search facility of the library resources through WebOPAC which can be accessible through internet and intranet. A user can easily check the availability of books and other library material through Library WebOPAC.



### **Digital Access to Previous Year Question Papers:-**

The library has also initiated to provide access to previous year question papers of NIT Delhi in digital format. The library members can easily access/download the previous year question papers through library WebOPAC in PDF format within Institute network.

**National Digital Library:-** The Central Library has also facilitated the access of National Digital Library of India (NDLI) to all the students, faculty & staff members of the Institute. The NDLI is a project under MHRD. It is a digital repository containing textbooks, articles, videos, audio books, lectures, simulations, fiction and all other kinds of learning media. The NDLI provides free of cost access of many books in English and other Indian languages.

## INFRASTRUCTURE

### **Transit Campus:**

The institute started functioning from the transit campus at Narela from 18<sup>th</sup> February, 2014. At present, this campus is serving the basic needs of our students, faculty and staff. The institute has all necessary facilities in the campus such as ATM, 24x7 Internet access, full power backup, guest house accommodation, sports &



recreational facilities. Though this transit campus has been serving our current population, we are keen to move to permanent campus by mid of 2020 so as to meet our projected growth ambitions.

Major software and hardware equipments procured at NIT Delhi during recent past:

- CYME Software (for Power System Analysis).
- MATLAB-SIMULINK
- PSIM
- SCI Lab
- CODE Blocks
- SQL Server Management Studio 2008
- UBUNTU-GCC COMPILER, Dv-C++
- Raptor, ReqView, agilefant, creately, version one.
- UBUNTU-GCC COMPILER with special network programming libraries.
- MATLAB, XFST, SQL, Server Management Studio 2008, WEKA, TORA.
- LINUX-GCC COMPILER
- Lex & Yacc
- CADENCE
- OPTISIM
- SYNOPSIS TCAD
- NETSIM

- Light-Runner Premium: Optical Fiber Communication kit
- Wireless Sensor Setup: USRP boards (SBX 120), Log Periodic PCB antenna (850 MHz to 6 GHz), Attenuator loop back kit (30 dB) and related accessories.
- Digital Storage Oscilloscope

### MASSIVE OPEN ONLINE COURSES (MOOCS)

MOOCs are used for flip classroom teaching at NIT Delhi. It is aimed at unlimited participation and open access via the web. In addition to traditional course materials such as filmed lectures, readings and problem sets, many MOOCs provide interactive user forums to support community interactions among students and faculty. MOOCs are a recent and widely researched development in distance education.

### SMART CLASSROOMS

All class rooms have been equipped with a state-of-art facilities including equipment that can be used to aid and enhance instruction of a course. The smart classroom features includes smart podium with a touch panel control system, PC and laptop connection, projector, and screen.



### e-GOVERNANCE

NIT Delhi has implemented e-office through e-Office premium product developed by NIC (National Informatics Centre). This has improved the functioning here at NIT Delhi through efficient, effective and transparent internal transactions, processes and includes various modules like File Management System, Knowledge Management System, Leave Management System, Tour Management System, Personnel Information Management System, Collaboration & Messaging Services.

### Computer Centre (Centralized Facilities)

- The Computer Centre at NITD was established on 18<sup>th</sup> February, 2014 to cater to the computational requirements of the Institute and is equipped with the latest state of the art technological resources. The Institute visualizes centralized computing facility, campus wide networking and information technology as means to enrich the educational experience and invigorate emerging areas of scholarly research and development.
  - The Computer Centre maintains and manages Wi-Fi facility through rack mounted blade servers in the campus having high speed (single mode) fiber backbone, managed by layer 4 switches providing 600 Mbps (1:1) bandwidth speed. These networking facilities are also extended to all hostels, academic and residential areas.
- High Performance Computing Lab: INTEL XEON and SIX CORE Processor.
  - Param Shavak: Super Computing Facility to perform the high-end computations on a larger scale for the scientific and engineering applications.
  - CCTV Surveillance : 24 X 7 CCTV surveillance
  - Enterprise Resource Planning (ERP): Student Information System, Web-Kiosk, Student Web-Kiosk, Employee Web-Kiosk, Examination Management, Student Fee Management with payment gateway, Human Resource Management System and Purchase/Receiving/Inventory
    - Software: Windows Server, RedHat Enterprise Linux Server
    - Hardware: High end 8 Blade populated servers, Storage upto 5 TB, ISE server, UCS blade server and unified storage combining NAS & SAN, High end networking equipment with 10G support, secure network server, Core switch and Unified threat management (Fortinet)
    - VoIP with PRI Lines
    - Digital Notice Boards
    - Video Conferencing facility



### OTHER BEST PRACTICES BEING FOLLOWED AT NIT DELHI

- Provision of cumulative professional development allowance (CPDA) to faculty members.
- Provision of relocation fund to join NIT Delhi.
- Eduroam facility to all the users of NIT Delhi
- Remote Access of research facilities of NIT Delhi through VPN.
- Secure campus with enabled IP cameras.

### General Resources & Services

- **Reference and Information Service:** The Library also has a collection of General reference books including dictionaries, handbooks, and bibliographies, etc. and these are available for reference within the library premises and are not for lending.
- **Resource Sharing:** There is resource sharing facility for the users of the library to access the E-journals through J-Gate platform subscribed through NIT consortium.
- **Document Delivery/Inter Library Loan:** Library provides document delivery service to the faculties and research scholars to support in their research and academic activities. Also if any document is not available in library, the same is lend through Inter Library Loan (DELNET) from the other Libraries. Li-

brary staff initiates to help their user regarding the information requirement of the user to fulfill their purpose/need of the urgent piece of information or document.

- **Internet:** Internet facility is provided centrally through computer centre.
- **Photocopy Facility:** Users are asked to avail the photocopy service for a specific piece of information. Copyright issues and plagiarism is always taken care of by not allowing the excessive photocopy of a document.
- **Newspaper Clipping Service:** Newspaper clippings record about NIT's all over the India is maintained in the Library. Any other newspaper clipping required by the faculty or student on a specific heading is provided to them on request.
- **Book Bank:** The Library provides book bank facility to the B.Tech. and M.Tech. students. Under the Book Bank facility, the set of textbooks as per the prescribed syllabus are issued to the individual student for entire semester.
- **CD-ROM Availability:** Library has 500+CDs/DVDs of various Software's, EBooks and Games etc. and are made available to students and faculties as per their requirement. Also, there is a collection of CDs/DVDs in the library covering various subject ar-



as like academic, entertainment, Information Technology and Competitive exams etc. Library have 500+ CD's has including lecture videos, communication skills, CD's with text books, games, software etc. which are available for circulation of users.

- **Audio-Visual:** A good collection of educational videos (i.e. NPTEL video courses) are available for the users on varied subjects and are made accessible by the library.
- **Reading facility:** The library subscribed total 18 magazines (17 in English and 1 in Hindi) during the year on different subject areas like general awareness and competitive examinations, Science and Technology, Computer Sciences, Engineering, Sports and Health, yearly GK magazines, Women awareness, Travel and photography, etc. The library also subscribes 09 (3 Hindi and 6 English) newspapers including daily and weekly papers.



### E-Library Resources & Services

- **E-Journals:** Library subscribes to five Electronic Databases through AICTE-INDEST consortium which includes more than 6000 journals in electronic format. The list of the Subscribed E-databases is as below:
  1. Elsevier Science Direct
  2. American Physical Society
  3. ACM Digital Library
  4. IEL Online
  5. Springer Link
- **NPTEL Videos:** The Library also provides NPTEL (National Programme on Technology Enhanced Learning) Video to the various users of Library which provides E-learning through online web and video courses in Engineering, Science and humanities streams. It aims to enhance the quality of engineering education in India by providing free online courseware. NPTEL is funded by the Ministry of Human Resource Development (MHRD).
- **J-GATE Platform:** The Library also has membership of J-GATE@NIT consortium. J-Gate is an electronic gateway to global e-journal literature. It provides seamless access to millions of journal articles available online offered by 13,202 publishers. It



presently has a massive database of journal literature, indexed from 44,704 e-journals with links to full text at publisher sites.

- **DELNET (Developing Library Network):** is a resource sharing network which provides access to various union catalogues and several electronic databases.
- **E-Library 'Mobile App':** The NIT Delhi has partnered with Knimbus to launch 'NIT Delhi eLibrary' which is India's first library mobile application for its students. This 'Mobile App' is available for free on the Google Playstore. This 'Mobile App' updates the users about the current resources of library (Printed and E-Resources) and provides the access to the thousands of E-books, subscribed E-Databases and various other electronic resources anytime (i.e. 24x7) from anywhere in the world.

### SCHOLARSHIP(S) & FINANCIAL ASSISTANCE

NIT Delhi facilitates financial assistance to B.Tech students in following ways (funded by various Ministries and Departments of Government of India):

- National Fellowship and Scholarship for Higher Education of ST Students- Scholarship (Formally Top Class Education for Schedule Tribe Students)

- Central Sector Scholarship Scheme for Top Class Education Scheme for SC Students.
- Central Sector Scheme of Scholarships for College and University Students.
- Prime Minister's Scholarship Scheme for Central Armed Police Forces and Assam Rifles.
- Prime Minister's Scholarship Scheme for RPS/RPSF.
- Merit cum Means Scholarship for Professional and Technical Courses CS.
- Scholarships for Top Class Education for students with disabilities.
- Mukhyamantri Medhavi Vidhyarthi Yojana.
- Post Matric Scholarship Schemes for SC/ST & OBC students.
- Mukhya Mantri Sarvjan Uchha Shiksha Chhatravriti Yojana and many more....

In academic session 2018-19, total number of 85 students availed scholarships from various above schemes of central and state governments.

### STUDENT'S ACTIVITIES

#### Socio-cultural Activities

The Institute is actively involved in several initiatives of the Ministry of Human Resource Development like In-



ternational Day of Yoga celebration, Hindi Pakhwada, Vigilance Awareness Week, Matrabhasha divas, and Constitution Day. The institute has been involved in various social activities. Some notable events organized by the social cell are:

- **Social Reforms Cell:** The Social Reformation Cell of NIT Delhi has taken the mantle of representing NIT Delhi in the society as a leading change-maker and has taken up various social initiatives in ameliorating the living conditions of people from all strata of society. The club has been very active since its opening and has organized numerous of events. In the year 2019-20 Social reformation cell of NIT, Delhi initiated new ventures and took the onus of executing various drives and activities. NIT Delhi has adopted near-by villages, namely Tikri Khurd, Alipur, Ghoga, Bhorgarh and Bankner to implement the Gandhian vision of self-sufficient 'village republics' based on local resources and decentralized eco-friendly technologies. The Unnat Bharat Abhiyan (UBA) Cell has conducted detailed survey for all these five villages in order to identify the primary issues faced by them from socio-economical perspective. In addition, UBA cell took the initiative to establish a library in the PMKVY centre of Tikri Village.
- **Tree Plantation Drive:** The SRC decided to do its bit by organizing a tree plantation drive with the students of NIT Delhi. Hundreds of trees were planted in the permanent campus and a contribution towards saving the planet was made.
- **Winter Clothes Donation Drive:** Delhi's extreme winters take around 100 lives every year. People lacking basic necessities face the apathy of the season. The SRC took the responsibility of helping them by organizing a Winter Clothes Donation Drive at NIT Delhi. The clothes collected in the drive were generously donated to the needy.
- **The Bihar Floods Relief Collection Drive:** Climate change is the biggest crisis faced by humanity today. SRC took the onus of organizing Bihar Floods Relief Collection Drive which included 292 donors and led to the collection of nearly Rs. 40,000.
- **Children's Day:** To honor the ideals of our first Prime Minister, Pandit Jawaharlal Lal Nehru, SRC organized Children's Day by inviting Ms. Ira Singhal (IAS officer and UPSC Topper 2014) to the campus. Her inspiring speech motivated every student to attain their dreams and never lose hope in life. The club also invited underprivileged students to the event who were given school bags and stationery items.

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- **Senior Citizen Day:** SRC celebrated the World Senior Citizen Day by inviting senior citizens from an old age home where the chief guest Mr. Siddharth Jain (ACP, Delhi Police) felicitated them. Students staged various skits and plays to sensitize everyone about the problems faced by elderly such as isolation and depravity.
- **Constitution Day:** To celebrate the inherent richness of world's largest constitution- India, NIT Delhi held pledge taking ceremony for students, Faculty and staff on 26 Nov 2019 to commemorate the adoption of the constitution of India.
- **National Unity Week:** The National Institute of Technology (NIT) Delhi celebrates the "Rashtriya Ekta Saptah (National Unity Week) on 31st October 2019 every year. During this week, a number of events and activities were carried out.



□ The week started (in memory of birthday of Late Shri Sardar Ballavbhai Patel) with the unity run students and

Formation of Human Chain by the students in the Institute Lawn in which a large number of students participated with great enthusiasm. The event began with a pledge taking ceremony and was followed by various competitions like solo singing competition, essay writing competition & slogan writing competition on the theme of unity.

- **Diwali Celebration at DDA Flats:** The joys, smiles and happiness of Diwali are incomplete without near and dear ones. To share happiness with people who are often far away from their families or their home towns, the SRC celebrated Diwali with residents and children of DDA flats, a temporary shelter for migrant laborers and their families. The volunteers lighted diyas and distributed sweets to everyone.
- **Little Star:** Education plays a paramount role in the development of an individual and consequently for the betterment of the society. In order to dispel the long prevailing darkness of illiteracy and doing our bit in educating the future of our nation, the Social Reformation Cell recently launched the 'Little Star' initiative in which SRC volunteers visit nearby slum areas after college hours and educate the resident students for free. Thus, SRC is able to bring quality education to the underprivileged free of cost.

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- **Unnat Bharat Abhiyan (UBA):** NIT, Delhi is also a constituent of Unnat Bharat Abhiyan and has adopted five nearby villages – Tikri Khurd, Alipur, Ghoga, Bhorgarh and Bankner to implement the Gandhian vision of self-sufficient ‘village republics’ based on local resources and decentralized, eco-friendly technologies. The UBA Cell has conducted detailed survey for all these 5 villages in order to identify the primary issues they are facing from socio-economical perspective. Consequently, UBA cell took the initiative to establish a library in the PMKVY centre of Tikri Village. Plastic pollution is currently one of the biggest environmental concerns. Our honorable PM Shri Narendra Modi addressed this problem by launching the Plastic Mukth Bharat Campaign. As a part of the initiative, UBA Cell organised rallies and street plays in association with Sukhmanch Theatre Group in all the adopted villages. We spread awareness in more than 400 villagers and also distributed 300 eco-friendly cloth bags to the villagers.
- **Swachh Bharat Abhiyan:** Under swachh mission, NIT Delhi is mainly focusing on cleanliness in the offices/ surrounding areas, segregation of wastes, proper disposal of garbage as per the Central Pollution Control Board (CPCB) norms and providing protection cages for the dustbins. Under this Mission the Institute carried out series of cleanliness drives in close cooperation with local people and labour community. The Insti-

tute has planted more than 1000 trees in the campus. In the month of September, 2019; a memorable swachhta pakhwada to commemorate the birth anniversary of Gandhi ji was organized in National Institute of Technology Delhi. This event was held outside the campus (for cleanliness pakhwada) of our Institute. In this event many students from different clubs took part and made this event a grand one. The event commenced at 03:00 pm with the arrival of students, staff and all the faculty members in at the Institute’s main gate. “Cleanliness is Godliness” is the mantra of Mahatma Gandhiji, Father of Nation. He demonstrated, propagated and insisted for individual and community cleanliness throughout his life. Following his footprints, NIT Delhi took initiative to make students and nearby people aware about swachhta.



- **Plastic Mukth Bharat:** Awareness Campaign: The club started its activities with a plastic pollution awareness drive on 9-10 October 2019. Plastic is currently one of

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the biggest environmental hazard. The short-term benefits and convenience of plastic and plastic goods have led to a boom in the production and consumption of plastic. Over the past century, excess-consumption of plastic has surpassed management of plastic waste and has become a scourge for the planet. Plastic is a menace that impacts not just the environment but our health and wellbeing. The campaign was spear-headed from the MC Primary School of Ghoga village with a powerful performance by Sukhmanch Theater group which was carried forward in Bankner village. The second day of the campaign started with a rally where the volunteers carried a bier (arthi) around the village with plastic waste in it; symbolizing the death of the plastic era. A street play of three highly engaging and dramatic scenes was performed by the dramatics club of NIT Delhi. The next stop of the campaign was a local market in Bhorgarh village. The last destination of the mission was the PMKVY Center of Tikri Khurd village.

- **Skill India:** Under the Skill India mission of Government of India, NIT Delhi has taken steps to create opportunities and scope of development for youth especially in rural areas. This leads to up-gradation of their skill, standard and increase the productivity of the existing workforce.

- **Hindi Pakhwada:** Hindi Cell of National Institute of Technology Delhi organizes Hindi Pakhwada during 14<sup>th</sup> to 28<sup>th</sup> September, every year.
- **Fit India Movement:** Fit India Movement is a nationwide movement in India to encourage people to remain healthy and fit by including physical activities and sports in their daily lives. It was launched by Prime Minister of India Shri Narendra Modi Ji at Indira Gandhi Stadium in New Delhi on 29<sup>th</sup> August 2019 on National Sports Day. Keeping up with the spirit of the movement, live broadcast session was aired at the Institute's auditorium for students, faculty and staff.



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- **Pariksha Pe Charcha:** An initiative by the Prime Minister Shri Narendra Modi Ji to interact with the students to take away the stress of young students who are appearing for the board examinations and other entrance examinations, NIT Delhi held a live broadcast of the session which was attended by 1st Year B. Tech students.



- **Vigilance Awareness Week:** Vigilance Awareness Week commenced from 28<sup>th</sup> October 2019 to 2<sup>nd</sup> November 2019 with Pledge taking ceremony. It was followed by different events to raise awareness about various social issues and to give a platform to the students, faculty and staff to put forth their ideas about social evils and malpractices in the society. For the purpose various events like Poster Making, Slogan Writing, Debate and Essay writing were held. The event concluded on 2<sup>nd</sup> November 2019 with giving away of prizes.

### Blood Donation Camp

- Blood Donation Drive was conducted by Social reformation cell on 19th February 2020 at the Institute in collaboration with Red Cross Society of India. A total of 95 units of blood were collected, which would save more than 250 lives.



In addition, various clubs of the Institute namely, cultural, literary, technical, sports, social reform, etc. are actively involved in making campus a lively place. These clubs strive to nurture all-round personality of the students.

Recently, **SAPTRANG20 annual cultural fest of NIT Delhi was conducted during 21<sup>st</sup> -23<sup>rd</sup> February 2020.** A total of 24 Events were conducted with more than 600 external participants.



**The Technical Club of NIT DELHI organizes** as well as participates in workshops, hackathons, coding contests, gaming events and much more. In recent years, the work and initiatives of the technical club have been recognized and have been sponsored by companies like “The Coding Ninjas”, “Aptron”, “Coding Blocks” and “TachVanto”. With the help of these organizations, we have been able to conduct a series of workshops like ‘Orientation on Introduction to Open-source and GSOC’, ‘Competitive Coding Workshops’, ‘Android App Development’, ‘Reverse Engineering’ and various other coding contests like ‘Winter of Codes’, ‘Walk-to-Code’, ‘Codathon’ and ‘hackathons’ like ‘Smart India Hackathon’ which promotes coding culture in the college and promotes students to take part in ICPC and other competitions like ‘Code Cadet’ and ‘Code Relay’ which focuses on data structures and algorithms. The club has members who work on Machine Learning, Web Technologies like NodeJS, Angular, Django and others. Some of the highlights of coding club are:

- The Orientation conducted by the Coding Blocks which experienced a footfall of around 200 students discussed the importance of the Open Source Contribution along with a detailed journey to a GSoC Mentor and briefed the path to GSoC.
- The Online Coding Content ‘Walk-to-Code’ was conducted on 5 January 2020 and received registration of around 283 students.

- Coding Blocks conducted a hands-on workshop on Competitive programming by one of their faculties which had a participation of more than 130 students. The workshop started with the basic knowledge and mainly focused on Dynamic Programming and its applications.

- A hands-on workshop on Arduino programming was conducted by the Robotics Department of the Tech-Club.

**Intra Tournament:** Sports section organized a FUT-SAL (5 a side football), Pro Volleyball and Chess tournament for the students of the institute from 6th November - 8th November 2019 to increase brotherhood, unity and to promote interaction among the students of various year and branches. Students participated with great enthusiasm and around 14 teams competed with each other for 3 days.

### **Zeal – 2020**

ZEAL is the annual Inter Branch sports festival of NIT Delhi, organised by the ALTIUS sports club NIT Delhi. Zeal has expanded over the years with unprecedented growth. Zeal witnesses the participation of students from all the branches of B.Tech, M.Tech & Ph.D. and offers a platform for them to display their talent in a highly charged and competitive ambience.

Zeal comprises of a plethora of events, including all major sports and various informal events. It brings the

momentum of football, mind boggling spin of the discuss, exhilarating speed of Kabaddi, grace of basketball coupled with the agility of the table tennis, the power of throw ball, the attentiveness of carrom, the tactics of chess, the discipline of cricket, the stamina in manoeuvring the shuttle, the lively matches of volleyball and the power of athletics.

Zeal 2020 during 27<sup>th</sup> – 29<sup>th</sup> March, 2020 witnessed a huge participation from all NIT Delhi students. The event started with the sportsmanship oath, torch lighting and yoga formation. Then, the events of different sports took place. The faculty and non faculty members also participated with great enthusiasm. The fest concluded with the award ceremony.

**Self Defense Camp:** NIT Delhi conducted a Self Defense training camp for its female staff and students for two months (September and October, 2019) in which various skills and techniques were taught to the students to defend themselves from any mis-happening.



### Sports Achievements of NIT Delhi students

The students of NIT Delhi are encouraged to participate in various sports activities within the campus as well as at other institutes.

- NIT Delhi participated in Inter Technology Sports Tournament (ITUSA) held at NIT Kurukshetra from 14th-16th September 2019, in which Yoga Boys & Girls secured Second position by winning Silver medal.



- NIT Delhi participated in All India Inter NIT Weightlifting, Powerlifting and Best Physique Tournament 2019-20 held at MNIT Jaipur from 17th-19th October 2019. The institute bagged a total of 11 medals.
- NIT Delhi participated in All India Inter NIT Kabaddi and Basketball Tournament 2019-20 held at NITK Surathkal from 17th-19th January 2020, in which the Kabaddi Girls team won Silver Medal.



- MS. Swathi Majji (B.Tech ECE Final Year) won Best Defender of the Tournament (Girls Kabaddi) in All India Inter NIT tournament at NIT Surathkal.

### OTHER ACTIVITIES

- **Digital India** Under the Digital India initiative of Government of India, digital technologies are being increasingly used by NIT Delhi. We have started the process of augmentation of IP infrastructure, wire/ wireless networking, unified communication system, security etc. by creating the facilities like e-classrooms, virtual classrooms and a new state of Art Computer Centre. The institute has also planned to start awareness about Digital India, usage of in-house products, workshops/ training programmes for the students and faculty of the institute. Besides this, competitions *viz.* poster writing, store/ script writing, skits, e-

learning services, digi-art work and software development etc. are being organized.

- **Rashtriya Avishkar Abhiyan:** The objectives of Rashtriya Avishkar Abhiyan (RAA) of Government of India is to enable the children to become motivated & engaged in SMT through observation, experimentation, inference drawing, model building, rational reasoning & testing etc. Accordingly, NIT Delhi has identified various Government Senior Secondary Schools to create among them the curiosity, excitement, culture of thinking, inventing & tinkering and to encourage & nurture the schools to be the incubators of innovation.
- **GIAN:** As per scheme of Government of India, the Institute is actively participating in the Flagship Programme 'GIAN' and working on proposals for consideration of approval with the Govt. of India.
- **Yoga:** Regular Yoga classes are held in the institute campus which is open for all students to participate. It has been a routine feature of Institute Campus Life.

### PLACEMENT

While fostering young talents with its mission of research, innovation, and creativity, the Institute aims to pioneer higher level of intellectual professionalism in all fields of education. Therefore, we encourage our students to gain exposure to industrial activities through organizing visits to esteemed companies of their respective fields. The Training and Placement (T&P) Cell of the Institute is dedicated towards the campus placements for the graduating students of all departments. The placement office handles all the aspects of the campus placement. The Cell is well equipped with excellent infrastructure for the conduction of the smooth placement. Office staff and the student coordinators handle various necessary tasks to support each and every stage of the placement process. As per the requirements of the organizations, the T & P Cell arranges pre-placement talks, written tests, group discussions and Interviews etc. The team makes efforts to help the students enhance their personality through regular personality development classes, mock tests and mock personal interviews. In addition to this, the T & P Cell, along with the various departments provide opportunities to avail various industrial visits during the academic sessions in the renowned organizations.

It gives us immense pleasure to share that the placement record of our students has been consistently improving. For the batch of 2013-2017, we had 80.67% placements. The placement record of the institute is on a constant escalation. In batch 2014-2018 we had 92% placement with the highest package of 29.2 LPA and in 2015-19 we had 94.38% placement with the highest package of 39 LPA. The reputed and well renowned organizations like Indian Air Force, Capgemini, Tata Power, L & T, OYO Rooms, Deloitte, Amazon, Microsoft, MAQ Software, American Express, Samsung R & D, Directi, Infosys etc have visited our campus for recruitment. We highly value our partnership with recruiters and alumni of NIT Delhi and remain committed to make this endeavor productive and positive.



### NEW CAMPUS

Progress of the permanent campus project has been a high priority for us. It is expected that Phase 1A consisting of Mini Campus including Hostels, Start up Centre, Play Ground and Administrative Block will be completed by July 2020.

#### (3D Model of NIT Delhi Campus)



#### (Current Position of NIT Delhi Campus)



### CONCLUDING REMARKS

The Institute though still in the nascent stages of its growth, has progressed consistently during last eight years. There has been an exponential growth in lab development and research activities but steady growth in the number of students as well as staff due to limited space at transit campus.

I congratulate all the graduating students on this day that marked the culmination of a part of journey for each one of you. The convocation day is not only a golden day in your life but also a red-letter day in the history of NIT Delhi. This day is a culmination of your hard work and dedication you put in during last four years. It is really a moment of joy, not only for you, but also for your proud parents. It is proud moment for all of us and those who helped you to reach this goal including your teachers, friends and well-wishers. The moment of success and celebration will carve its indelible mark in your memory forever.

I am glad to share with you that since 2<sup>nd</sup> convocation in May-2019, a total of 185 students have been graduated from the Institute and will be receiving their degree today. As an ending remark, my dear students, I wish you a successful and satisfying life. We have given you a good launching pad in very difficult initial circumstances and hope you reap the most of it. Keep excel-

## THIRD CONVOCATION

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ling in your own pursuits contributing to the Institute's pursuit of excellence and society at large.

I once again extend my heartiest congratulations to all of you. My best wishes will always be with you.

With these words, I welcome you all once again. Thank you for your empathetic presence at this convocation and making this a memorable event.

Thank you...  
Jai Hind! Jai Bharat!!!



## Number of Degree Recipients

3<sup>rd</sup> Convocation, April 09, 2020

S. No.	Department	Number of Degree Recipients			
		PhD	M. Tech	B. Tech	Total
1	Computer Science and Engineering	00	10	49	59
2	Electrical and Electronics Engineering	00	07	42	49
3	Electronics and Communication Engineering	05	16	40	61
4	Mechanical Engineering	00	11	00	11
5	Applied Science	01	04	00	05
<b>Total</b>					<b>185</b>



## DEPARTMENT WISE DEGREE RECIPIENTS

Department of Computer Science and Engineering

### AWARD OF M.TECH. DEGREE (2019 Pass Out)

Serial No.	Roll No.	Name in English
1	172211002	ANKIT KUMAR TITORIYA
2	172211003	ANNU
3	172211004	FARAZ AHMAD NAQSHBANDI
4	172211005	JAYCHAND
5	172211006	NITESH TRIVEDI
6	172211007	NARESH KUMAR
7	172211008	NISHKAL PRAKASH
8	172211009	PARDEEP
9	172211010	PRATIMA SINGH
10	172211012	UDIT MANAV



## AWARD OF B.TECH. DEGREE (2019 Pass Out)

Serial No.	Roll No.	Name in English
1	151210001	VAIDYA SRIKAR
2	151210002	MUVVALA SAI SREEKAR
3	151210003	SHIVAM BATHLA
4	151210004	SINGH AMITKUMAR DINESHKUMAR
5	151210005	PATHI JAYADHEER REDDY
6	151210006	PRAJVAL KOUL
7	151210008	MRIGENDRA SINGH
8	151210009	JELLA SAI RAHUL
9	151210010	TANUJ YADAV
10	151210011	ABHINAY KUMAR SURAJ
11	151210012	NEERAJ TRAR
12	151210013	MRITUNJAY MOHITESH
13	151210014	RAHUL YADAV
14	151210015	KALIGITI SANGEETHA
15	151210016	PUNEET KUMAR SHARMA
16	151210019	UTKARSH YADAV
17	151210020	PANKAJ SINGH DHAKAR
18	151210021	SHASHI PRAKASH
19	151210022	PREM KUMAR
20	151210023	PUNEET VERMA
21	151210025	AMAN SAXENA
22	151210026	AMIT KUMAR
23	151210027	SHUBHANGI SONAL

## THIRD CONVOCATION



24	151210028	NEERAJ KUMAR
25	151210029	PUPPALA SAI TEJA
26	151210031	TASHI DAWA
27	151210032	RUDRANI BHADRA
28	151210033	THEJAS SAI PULIKALLU
29	151210034	YADLAPALLI ANJANI RAJ
30	151210036	BOPPANA AMULYA SAI
31	151210037	MOHIT YADAV
32	151210038	RISHU RAJ BHAGAT
33	151210039	MAURYA PRAVIN TEJBAHADUR
34	151210040	RAVI KUMAR
35	151210041	NINAD MILIND MOHITE
36	151210042	JAMMU VANI
37	151210043	NAVEEN KUMAR
38	151210044	NITA ALISA MATHEW
39	151210045	KUNAL JADUVANSHI
40	151210046	RIYA SINGH
41	151210047	SIMRAN MEHRA
42	151210048	AAYUSHI PRADEEP KUMAR
43	151210049	ALI AYUB KHAN
44	151210050	AASHUTOSH PYAKUREL
45	151210051	OMPRAKASH SAH KANU
46	151220030	NAMRATA SINGH
47	151220037	YASH BHATNAGAR
48	151230030	ABHISHEK SAROHA
49	121100018	MOHD KASHIF



## Department of Electronics and Communication Engineering

### AWARD OF M.TECH. DEGREE (2019 Pass Out)

Serial No.	Roll No.	Name in English
1	172220003	GAGANDEEP KAUR
2	172220004	HARSH YADAV
3	172220005	INAGANTI NAURIN BAHADUR
4	172220006	JEGYASHU
5	172220007	KUNAL KUMAR
6	172220008	MD SADULLAH
7	172220010	SANTOSH KUMAR
8	172220011	VIKRANT GUPTA
9	172220012	VISHAL SINGH

### AWARD OF M.TECH. DEGREE (VLSI) (2019 Pass Out)

Serial No.	Roll No.	Name in English
1	172221001	AJIT KUMAR
2	172221002	ANKIT GUPTA
3	172221003	DIVYA
4	172221005	MEGHA SINGH KURMI
5	172221007	RICHA THAKUR
6	172221011	SHREYA GOYAL
7	172221013	YOGESH PAL

**AWARD OF B.TECH. DEGREE (2019 Pass Out)**

<b>Serial No.</b>	<b>Ro ll No .</b>	<b>Nam e in Engl ish</b>
1	15 12 20 00 1	SUB HA M SIN GH
2	15 12 20 00 2	BUR RI SRU JA- NA
3	15 12 20 00 3	GAD ELA RA- JA PRA NEE TH RED DY
4	15	RAU

# THIRD CONVOCATION



	12 20 00 4	NAK PAT HAK
5	15 12 20 00 5	MA DHU
6	15 12 20 00 6	NAV NEE T KU MA R
7	15 12 20 00 7	NI- SHA
8	15 12 20 00 8	DOK ALA PO OR NI- MA
9	15	TA-

# THIRD CONVOCATION



	12 20 00 9	NUJ KU MA R
10	15 12 20 01 0	SAT YEN DRA KU MA R MA URY A
11	15 12 20 01 2	KES HAV KE- DIA
12	15 12 20 01 3	AJA Y KU MA R
13	15 12 20 01	AM RIT RAJ

# THIRD CONVOCATION



	4	
14	15 12 20 01 5	KO- LA SAN JEE VA NA- RA- YAN A
15	15 12 20 01 6	PRA BHA NSH U CHA NDR A
16	15 12 20 01 7	AB- HIS HEK VER MA
17	15 12 20 01 8	GU RPR EET SIN GH

# THIRD CONVOCATION



18	15 12 20 02 00	NIV ESH NEG I
19	15 12 20 02 01	RO HIT YAD AV
20	15 12 20 02 02	NEE RAJ
21	15 12 20 02 03	IN- SHA LAIL A
22	15 12 20 02 05	SAT HI- YA BAIJ U BHA RAT

# THIRD CONVOCATION



		BHA I
23	15 12 20 02 6	BHA DHA VAT H RAK ESH
24	15 12 20 02 7	SAN DEE P KU MA R
25	15 12 20 02 8	PRA BHA T KU MA R SAT YA
26	15 12 20 02 9	VIN OD DAB RI- YA

# THIRD CONVOCATION



27	15 12 20 03 1	PER LA TEJ A SAI SRI RA M
28	15 12 20 03 2	PE- DA- DA VEN KA- TA TEJ AS WI
29	15 12 20 03 3	ASH UTO SH KU MA R SIN GH
30	15 12	SI- DHA

# THIRD CONVOCATION



	20 03 5	RTH YAD AV
31	15 12 20 03 6	GAU RAV KU MA R CHA UDH ARY
32	15 12 20 03 8	SOU MES H DE- HUR Y
33	15 12 20 04 0	SON ALI
34	15 12 20 04 1	AN- KIT KAN WA R

# THIRD CONVOCATION



		15 12 20 04 3	SON AL SHA RM A
	35		
		15 12 20 04 6	JULI A ANN JO- SE
	36		
		15 12 20 04 8	KRI TI- KA AGR AW AL
	37		
		15 12 20 04 9	SUR UCH I GUP TA
	38		
		13 12 00 01 7	GAJ EN- DRA SIN GH
	39		
		14	PRA
	40		

# THIRD CONVOCATION

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	12	TYU
	00	SH
	00	GH
	1	OSH



## Department of Electrical and Electronics Engineering

### AWARD OF M.TECH. DEGREE (2019 Pass Out)

Serial No.	Roll No.	Name in English
1	172231003	GOTTAPU SATYANARAYANA
2	172231005	KETAN SINGH
3	172231008	NISHA YADAV
4	172231009	PRADEEP KUMAR PANDIT
5	172231010	PANKAJ KUMAR
6	172231013	SOURABH GHOSH
7	172231014	STUTI SHRIVAS

### AWARD OF B.TECH. DEGREE (2019 Pass Out)

Serial No.	Roll No.	Name in English
1	151230002	CHANDAN KUMAR
2	151230005	MOHIT KUMAR
3	151230006	PRIYANKA
4	151230007	ASHWANI KUMAR CHAURASIA
5	151230008	MEHUL DEEP
6	151230009	MOHD SHARIQUE
7	151230010	ROHIT VISHWAKARMA
8	151230011	ASHOK KUMAR SAKET
9	151230012	ARPAN KUMAR SINGH

## THIRD CONVOCATION



10	151230014	AJAY KUMAR BAIRWA
11	151230015	HARSHIT TYAGI
12	151230016	MAMTA MEENA
13	151230017	AJAY MEENA
14	151230018	AMARJOT KAUR
15	151230019	OJASVI ARORA
16	151230020	SUNNY KUMAR
17	151230021	PRATHU SINGH PUNDIR
18	151230022	PADAM WANGMO
19	151230024	PUNEET SRIVASTAVA
20	151230025	RAJAT KUMAR GARG
21	151230026	ARYAN SINGH
22	151230027	SHAKYA NANDAN
23	151230028	RANJAN KUMAR
24	151230029	SAMRIDHI
25	151230031	ASHWANI SHARMA
26	151230032	SHUDHIR KUMAR RANWA
27	151230033	POOJA KUMARI
28	151230034	DIVYATA PRASAD
29	151230035	REDDI SHIVANI
30	151230036	POOJA SINGH
31	151230037	PARNAV SAXENA
32	151230039	RISHAB KUMAR BHARDWAJ
33	151230040	ASIF IQUBAL
34	151230041	LOKESH MEENA
35	151230042	AMAN SINHA
36	151230043	AYUSH PRANAV



37	151230044	SUNIL KUMAR PRAJAPAT
38	151230045	RITU
39	141300014	RAJNISH PRAJAPAT
40	141300045	MOHAMMAD IMAD NIZAMI
41	111300023	VIKRAMJEET ALWAHAT
42	141300001	MENON AMIT RAGHUNATH

### Department of Mechanical Engineering

### AWARD OF M.TECH. DEGREE (2019 Pass Out)

Serial No.	Roll No.	Name in English
1	172311001	AKASHDEEP
2	172311002	ARNAV KUMAR MISHRA
3	172311003	ABHISHEK
4	172311004	GAURAV SHARMA
5	172311006	KAMAL KISHORE
6	172311007	KRISHNA KUMAR
7	172311008	MEENA PANT
8	172311009	NAWAHARSH WEAKE
9	172311010	POOJA YADAV
10	172311011	RAHUL DEEP
11	172311012	SHIVAM THAKUR



## Department of Applied Sciences (Smart Materials and Technology)

### AWARD OF M.TECH DEGREE (2019 Pass out)

Serial No.	Roll No.	Name in English
1	172401003	ARUN NAITHANI
2	172401005	NARENDRA SINGH RAJAWAT
3	172401006	SWAMINI VATS
4	172401007	TANUSHREE SHUKLA

### AWARD OF Ph.D. DEGREE (Department Wise)

Serial No.	Department	Name in English
1	Applied Sciences (MATHEMATICS)	GULSHAN
2	Electronics and Communication Engineering	PREETI VERMA
3	Electronics and Communication Engineering	ROHIT KUMAR
4	Electronics and Communication Engineering	JYOTI GUPTA
5	Electronics and Communication Engineering	Mr. RITESH VYAS
6	Electronics and Communication Engineering	Mr. PAWAN DUBEY

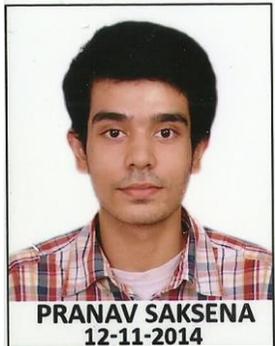
## LIST OF ACADEMIC EXCELLENCE AWARD OF NIT DELHI GRADUATED IN 2019| 3<sup>rd</sup> Convocation 2020

### BACHELOR OF TECHNOLOGY (2015 – 2019 BATCH)

S. No.	Roll Number	Name	Department	Medal	
1.	151220037	YASH BHATNAGAR	CSE	PRESIDENT'S GOLD MEDAL	
2.	151210008	MRIGENDRA SINGH	CSE	DIRECTOR'S GOLD MEDAL	
3.	151220030	NAMRATA SINGH	CSE	INSTITUTE SILVER MEDAL	

# THIRD CONVOCATION



4.	151220005	MADHU	ECE	DIRECTOR'S GOLD MEDAL	
5.	151220007	NISHA	ECE	INSTITUTE SILVER MEDAL	
6.	151230037	PRANAV SAXENA	EEE	DIRECTOR'S GOLD MEDAL	

## THIRD CONVOCATION



7.	151230043	AYUSH PRANAV	EEE	INSTITUTE SILVER MEDAL	
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### MASTER OF TECHNOLOGY (2017 – 2019 BATCH)

S. No.	Roll Number	Name	Department	Medal	
1.	172211008	NISHKAL PRAKASH	CSE	PRESIDENT'S GOLD MEDAL	
2.	172211007	NARESH KUMAR	CSE	DIRECTOR'S GOLD MEDAL	

# THIRD CONVOCATION



3.	172401006	SWAMINI VATS	AS	DIRECTOR'S GOLD MEDAL	 <small>Scanned by CamScanner</small>
4.	172401007	TANUSHREE SHUKLA	AS	INSTITUTE SILVER MEDAL	 TANUSHREE SHUKLA 25-11-2011
5.	172220003	GAGANDEEP KAUR	ECE	DIRECTOR'S GOLD MEDAL	

# THIRD CONVOCATION



6.	172220008	MD SADULLAH	ECE	INSTITUTE SILVER MEDAL	
7.	172221011	SHREYA GOYAL	ECE (VLSI)	DIRECTOR'S GOLD MEDAL	
8.	172221007	RICHA THAKUR	ECE (VLSI)	INSTITUTE SILVER MEDAL	

# THIRD CONVOCATION



9.	172311002	ARNAV KUMAR MISHRA	ME	DIRECTOR'S GOLD MEDAL	
10.	172231003	GOTTAPU SATYANARAYANA	EEE	DIRECTOR'S GOLD MEDAL	

