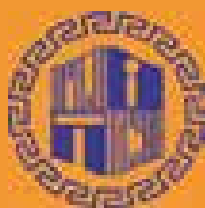


**ANNUAL REPORT &  
ANNUAL ACCOUNTS  
2020-2021**



**NATIONAL INSTITUTE OF TECHNOLOGY DELHI**

# **Annual Report & Annual Accounts (2020 – 2021)**



**राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली**

**NATIONAL INSTITUTE OF TECHNOLOGY DELHI**

(An autonomous Institute under the aegis of Ministry of Education  
(Shiksha Mantralaya), Govt. of India)

Sector A-7, Institutional Area Narela, Delhi-110040, INDIA

Tele: +9111-27787500-503 Fax: +9111-27787503

Website: [www.nitdelhi.ac.in](http://www.nitdelhi.ac.in)





## TABLE OF CONTENTS

S. No.	Topic	Page No.
<b>A.</b>	<b>PART- I (Annual Report)</b>	
1.	Academic Activity	1
2.	Training and Placement Activities	28
3.	Student Activities	30
4.	Sports Activities	32
5.	Arts Club	37
6.	Clairvoyance Photography and Film Club	37
7.	Literary Club	38
8.	Library Facility	39
9.	Hostel Facility for Students	42
10.	Faculty/Staff Members and Administration	44
11.	Planning & Development and Estate Office	53
12.	Academic Departments	54
13.	Department of Applied Sciences and Humanities & Management	54
14.	Department of Computer Science and Engineering	61
15.	Department of Electrical and Electronics Engineering	66
16.	Department of Electronics and Communication Engineering	76
17.	Department of Mechanical Engineering	83
<b>B.</b>	<b>PART –II (Audit Report &amp; Annual Accounts)</b>	
18.	Separate Audit Report (2020-2021)	-
19.	Annual Accounts (2020-2021)	89







## DIRECTOR'S MESSAGE

### From the Director's Desk...



It gives me immense pleasure to present the annual report and annual accounts of NIT Delhi for the Academic as well as the Financial year 2020-2021. I feel privileged that I am associated with the Institute; it fills my heart with warmth and pride that I am in charge of NIT Delhi as its Director. Last year has brought unique challenges before humankind in the form of the COVID-19 pandemic. But even during such testing time our Institute has carried out all its academic activities online through the various internet-based modes of teaching and learning. The administrative activities were diligently carried out via online mode, email, and e-office. The teaching and non-teaching staff have shown their tremendous performance even in these tough times of global pandemic. All the extra-curricular activities were carried out throughout the session via online mode; the examinations were conducted successfully with the declaration of results in time. The employees of the Institute have reported to work as and when required even during the lockdown. The certification audit was conducted successfully.

The faculties at the Institute have taken up several research projects on the COVID-19 and have given the desired output on the same. The research activities were conducted at the same pace and with high zeal. The research output of the Institute has increased exponentially, and various collaborations with R&D Organizations, Institutes and others have been initiated by the Institute.

During the tenure of the undersigned, the progress of the ongoing construction activities at the permanent site has been monitored very closely. The permanent campus of NIT Delhi will soon be ready and fully operational.

The training and placement cell has worked tirelessly to plan, organize and help the students to get placements in the renowned companies and organizations of the nation and the world.

In view of the ongoing academic and administrative activities of the Institute, the undersigned wish NIT Delhi to grow and contribute to the society and nation with its holistic education.

-  
Director  
National Institute of Technology  
New Delhi





# **Part – I**

# **Annual Report**

# **(2020 – 2021)**





## ACADEMIC ACTIVITY

### 1. Introduction

National Institute of Technology Delhi (NITD) is one of the thirty NIT (s) established in the year 2010 by an act of the parliament and has been declared as an Institute of National importance. NIT Delhi is an autonomous Institute, which functions under the aegis of the Ministry of Education, Government of India. It aims to provide education and research facilities in various disciplines of Engineering, Science and Technology, Management, Social Sciences and Humanities for advanced learning and dissemination of knowledge. The mission of NIT Delhi is to develop a highly intelligent and deeply ethical human resource, a workforce which is creative, competitive and innovative. The Institute is imparting holistic education, along with inculcating high moral values in its students. NIT Delhi started its academic session in 2010 and it is currently working from its transit campus at Narela, Delhi. It has the following discipline of programmes and academic departments. The permanent campus of NIT Delhi is nearing completion and it will soon become functional. It is situated on NH-1, Narela sub- city, New Delhi.

### 2. Academic Departments with sub –Branches:

S. No.	Name of the Department/ Branch	Sub-Branches	Code
1.	Applied Sciences		AS
		Chemistry	CY
		Mathematics	MA
		Physics	PH
2.	Computer Science and Engineering		CSE
3.	Electrical and Electronics Engineering		EEE
4.	Electronics and Communication Engineering		ECE
5.	Mechanical Engineering		ME
6.	Humanities and Management		HM

### 3. Academic Programmes Offered:

B. Tech. Programmes	M. Tech. Programmes	PhD Programmes
Computer Science and Engineering (CSE)	Computer Science & Engineering (Specialization in Analytics)	Computer Science and Engineering
Electrical & Electronics Engineering (EEE)	Electrical and Electronics Engineering (Specialization in Power Electronics and Drives)	Electrical & Electronics Engineering.
Electronics and Communication Engineering (ECE)	Electronics and Communication Engineering.	Electronics and Communication Engineering
	Electronics and Communication Engineering (Specialization in VLSI Design)	Mechanical Engineering
	Mechanical Engineering (Specialization in CAD/CAM)	Humanities and Management
		Chemistry
		Physics
		Mathematics
		Environmental Science and Engineering



#### 4. Sanctioned Student's Strength/ Academic Year:

Programme	Regular Students	DASA Students
<b>B. Tech</b>	60 (including General, SC, ST, OBC etc. as per the Govt. of Norms)	09 (including SAARC, CWIG etc. categories)
<b>M. Tech</b>	15 (including General, SC, ST, OBC etc. as per the Govt. of Norms)	02 (including SAARC, CWIG etc. categories)
<b>PhD</b>	---	NA

#### 5. Student Statistics:

##### (a) B. Tech Student Statistics:

Total Sanctioned Intake of Students at UG & PG Level (2020-2021)					
Course/ Category	Open (including PWD)	SC (including PWD)	ST (including PWD)	OBC (including PWD)	Total
UG (3 branches)	92	27	14	49	182 (including Female Supernumerary)

Total Actual Admission at UG Level (Category Wise) (2020-2021)						
Course/ Category	Open	SC	ST	OBC	DASA	Total
UG	70	27	14	50	0	161 (Only First-Year Data)
UG	267	101	54	201	27	650 (Total of all 4 years)

Branch - Wise Admission at UG Level (Category Wise) (2020-2021)							
Course	Open	SC	ST	OBC	DASA	Total	
CSE	26	10	4	16	0	56	
ECE	25	8	4	18	0	55	
EEE	19	9	6	16	0	50	
Total	70	27	14	50	0	161	

##### (b) M. Tech Student Statistics:

	Branch	General	OBC	SC	ST	DASA	Total
Sanctioned	ECE	8	4	2	1	0	15
	CSE	8	4	2	1	0	15
	ME	8	4	2	1	0	15
	EEE	8	4	2	1	0	15
	VLSI	8	4	2	1	0	15
<b>Total</b>		40	20	10	5	0	75
Admission	ECE	09	02	02	01	0	14
	CSE	08	03	02	01	0	14
	ME	06	05	02	01	0	14
	EEE	07	04	02	0	0	13
	VLSI	08	03	02	01	0	14
<b>Total</b>		38	17	10	04	0	69

**(c) PhD Student Statistics:**

Branch	General	OBC	SC	ST	DASA	Total
AS	0	0	0	0	0	0
CSE	0	0	0	0	0	0
ECE	0	0	0	0	0	0
EEE	0	0	0	0	0	0
ME	0	0	0	0	0	0
Total	0	0	0	0	0	0

**6. Academic Session and Academic Curriculums:**

The academic year is divided into two semesters: Autumn (August to December) and Spring (January to June). Each semester will normally be of 18 weeks, which includes end semester examination. The number of effective teaching days in a semester is 72. The Institute's working hours are usually from 9:00 AM to 5:30 PM. However, a few academic classes are also scheduled from 8:30 AM to arrange for appropriate number of lecture hours/ course.

Courses offered are available on the Institute website:

Website → Academics → Course Curriculum → B. Tech Curriculum/ M. Tech Curriculum.

**7. Admission Procedure:**

<b>Bachelors in Technology (B. Tech) Programme</b>
Admission at National Institute of Technology Delhi will be made in accordance with the instructions received from the Ministry of Education (MOE) Government of India and based on the nation wise counselling through CSAB. Reservation policy is maintained as per the guidelines issued by MOE, Government of India.
Admission to all Undergraduate (UG) courses will be made in the autumn semester of each academic session at the first-year level based on the relative performance in the Joint Entrance Examination (JEE) as per the guidelines issued by the MOE, Government of India. The candidates should have passed the 10+2 examination.
A limited number of admissions are offered to Foreign Nationals and Indians living abroad in accordance with the rules applicable for such admission issued by MOE, Government of India under the scheme of Direct Admission of Students Abroad (DASA).
If any time after admission, it is found that a candidate has not fulfilled all the requirements stipulated in the offer of admission, in any form what so ever, the office of Dean Academics shall report the matter to the Senate recommending for cancelling the admission of the candidate.
The institute reserves the right to cancel the admission of any student and ask him/her to discontinue his/her studies at any stage of his/her career on the grounds of indiscipline or any misconduct.
The decision of the Senate regarding the sections (iv) & (v) above is final and binding. Candidates must fulfil the medical standards required for admission as prescribed in the Institute Information Brochure or the Prospectus.
Every Undergraduate (UG) student of the Institute shall be associated with parent department offering the degree programme that the student undergoes, throughout his/her study period.
All relevant details and admission procedure is available at Institute's website: <a href="http://www.nitdelhi.ac.in">www.nitdelhi.ac.in</a> .
<b>Masters in Technology (M. Tech) Programme</b>
Admission for the M. Tech program in engineering is through GATE examination. The Graduate Aptitude Test in Engineering (GATE) is an All-India examination administered and conducted in eight zones across the country by the GATE committee comprising faculty from an organizing Institute and seven Indian Institutes of Technology on behalf of the National Coordinating Board - GATE, Department of Education, Ministry of Human Resources Development (MHRD), Government of India. Further, the counselling is conducted through CCMT.





### Ph. D Programme

Advertisement for admission to the Ph.D. programme may be published on the website/newspapers (two times a year) depending upon the vacancy in the department/centre and availability of research supervisor(s). The advertisement may/may not include the predetermined number of seats and as per the guidelines of the reservation policy of the Government of India. A candidate interested in applying in more than one department/ category shall be required to submit separate application forms along with prescribed fees and documents. The candidate shall be required to submit a write-up (1-2 pages) of his/her proposed area of research along with the application form.

#### **Screening Committee:**

The respective Head of Department (HoD) will form a Screening Committee for each department. An additional member holding Ph.D. degree from the centrally funded institution/ university/ research laboratory of Government of India/ Public Sector undertakings/state-funded university/institution or of collaborative organization/ Industries/ Institutes (Indian/ Foreign) may also be included in the committee. The committee shall screen all applications for admission to Ph.D. programme. The committee shall verify the eligibility of the applicant(s) for the programme/ entrance test based upon the details mentioned in the application(s) and the enclosed documents. The committee will have the right to fix a higher short listing criterion (in addition to minimum qualification) for short listing. After screening of applications, the HoD shall forward the list of candidates eligible for written test to Dean (R&C). The Dean (R&C) shall then consolidate the list of all the departments and notify the eligible applicants through appropriate means with the approval of the competent authority.

#### **Entrance Test**

All the eligible candidates shall be required to appear in a National Level Written Test to be organized by NIT Delhi. The written test may be of Multiple Choice Question (MCQ) type. A candidate securing at least 40% marks in the Entrance test shall be declared qualified in the test. The syllabus for the written test will be the same as the latest GATE/NET syllabus in related branches of Engineering/Technology/Science/Humanities.

#### **Interview**

The eligible candidates who have qualified for the written test shall be called for the interview. At the time of the interview, candidates may be asked to discuss their research interest/area in the form of a presentation.

#### **Interview Committee:**

The Interview Committee may be comprised of following:

1. Director / Director Nominee
2. Head of the concerned department
3. Faculty members of the concerned department/other department(s) having Ph.D. degree.
4. Person(s) from the collaborative organizations/ industries/ institutes (Indian/ Foreign) who have been approved to act as supervisor.

Keeping in view the available seats, the Interview Committee will prepare and submit a provisional list of candidates recommended for admission to Ph.D. Programme for the approval of Director through the office of Dean (R&C). The office of Dean (R&C) shall notify the list of selected candidates through appropriate means.

### 8. Academic Registration:

Registration is an important and semester wise mandatory procedure of the academic system. The registration procedure ensures that the student's name is on the roll list of each course that he/she wants to study. No credit is given if the student attends a course for which he/she has not registered.

B. Tech	
1.	Every student must be present in person and register at the commencement of each semester on the day(s) fixed for and notified in the Academic calendar as well as through proper circulations.
2.	Registration for all courses is online/offline and organized centrally by the academics office/ERP office in coordination with respective academic departments.



3.	After registration in each semester, each student should submit a copy of the registration form (self-attested) along with a copy of fee receipt (duly verified by Accounts section) to the concerned office of Head of the Departments, which indicates the courses registered by him/her in that semester. Otherwise, registration will not be considered complete.
4.	Registration by a student confirms his/her status as a student at the Institute. Failure to register before the last date for registration (as indicated in the Academic Calendar) will imply that the student has discontinued studies and his/her name will be struck-off the rolls for that semester.
5.	Every registered student is considered as a full-time student of the institute. They are expected to be present at the Institute and devote full time to academics.
6.	A student must register a fresh course in study mode only. In case of backlog course with F or I grade, the student has the option to register either in study or examination mode.
7.	In case, a student registers a course in study mode, he/she must fulfill all the attendance requirements and he/she will be evaluated for continuous evaluation, mid semester examination and end semester examination (as per assessment of academic performance based on Institute's rules and regulations).
8.	In case, a student registers a course in examination mode, there will be no attendance requirement and the student is eligible for end semester examination only. In such cases, student securing 30% or more marks in end semester examination shall be awarded only 'D' grade otherwise 'F' grade will be awarded.

#### M. Tech and Ph. D

Every Student of M. Tech. courses is required to be present personally and register himself/ herself for the courses at the commencement of each semester on the day fixed for and notified in the Academic calendar.

- The registration will be organized departmentally under the supervision of the Head of the Department/Coordinator of a respective specialization/ programme.
- Only those students will be permitted to register who have: (a) cleared all Institute and Hostel dues of the previous semesters including library dues (b) paid all required fees for the current semester, and (c) not been debarred from registering for a specified period on disciplinary action or any other ground.

#### 8. Registration and Fees Payment:

Every registered student must pay the stipulated fees in full before the specified deadlines. The student must pay the fee prescribed for each course registered in study mode and examination mode. In the event that a student does not make these payments, he/she will be de-registered from all courses and his/her name will be struck-off from the roll list. Kindly note, within the deadline of registration, students have to submit the online generated registration form (self attested) along with the fee receipt (verified by Accounts section in support of his/her fee submission) to the office of concerned Head of the Departments, otherwise registration will not be considered complete.

##### Fee Structure for Regular Courses:

Based on the year of first registration/ admission is provided in the Institute website ([www.nitdelhi.ac.in](http://www.nitdelhi.ac.in)) (Website → Academics → Fee Structure).

##### Fee Structure for Backlog Courses:

Mode of Study	Amount (in Rs/)
Study Mode (regular Classes)	1000/ per credit
Exam Mode/ Make up Exam Courses (subject wise)	1200/ per subject



## 9. Programme Structure:

### B. Tech

#### Course Structure

S. No.	Courses	Credits
1.	Basic Science Courses	≥ 24
2.	Departmental Core Courses	≥ 60
3.	Other Engineering Core Courses	≥ 30
4.	Humanities and Social Science Courses	≥ 10
5.	Departmental Elective Courses	≥ 15
6.	Open Elective Courses	≥ 03
7.	Mandatory Courses (Detail in point 8.1.1)	≥ 09
8.	Projects	= = 14 (04: Semester VII and 10: Semester VIII)

#### Mandatory Courses

S. No.	Courses	Credits
1.	Seminar/ Colloquium/ Industrial Lecture	02
2.	Environmental Studies	03
3.	Summer Internship	02
4.	Extra Academic Activity	02

#### Credit System:

Course Code	L (Lecture)	T (Tutorial)	P (Practical)	C (Total Credit)	Tentative No. of class hours/week
XXL (Lecture Course)	3	0	0	3	Theory Class: 3 hours/ Week
					Tutorial Class: 0 hours/ week
					Practical Class: 0 hours/ week
XXL (Lecture Course)	3	1	0	4	Theory Class: 3 hours/ Week
					Tutorial Class: 1 hour/ week
					Practical Class: 0 hours/ week
XXB (Both Lecture and Practical Course)	3	0	2	4	Theory Class: 3 hours/ Week
					Tutorial Class: 0 hour/ week
					Practical Class: 2 hours/ week
XXB (Both Lecture and Practical Course)	3	1	2	4	Theory Class: 3 hours/ Week
					Tutorial Class: 1 hour/ week
					Practical Class: 2 hours/ week
XXP (Practical Course)	0	0	3	2	Theory Class: 0 hour/ Week
					Tutorial Class: 0 hour/ week
					Practical Class: 3 hours/ week

#### Minimum and Maximum Credit in a Semester

Credits to be Registered	Condition	No. of Credits
Minimum Credits	--	<b>16</b>
Maximum Credits	Inclusive of backlog courses registered in study mode.	<b>32</b>
Maximum Credits	Inclusive backlog subject registered in study mode as well as examination mode.	<b>35</b>

**Notes:**

Credit requirements: Minimum earned credit requirements for the award of degree is 175 with a CGPA of not less than 5.0.

The minimum duration for a student for complying with the degree requirement is four academic years from the date of first registration for his/her first semester.

The maximum duration for a student for complying with the degree requirement is eight academic years from the date of first registration for his/her first semester.

**M. Tech****Course Structure**

S. No.	Courses	Credits
1.	Core Courses (4 Departmental + 2 Laboratory + 2 Mandatory)	≥ 24
2.	Elective Courses (5 Departmental + 1 Open)	≥ 18*
3.	Dissertation ( Sem.III: 8 Credits + Sem. IV: 12 Credits)	=20
4.	Independent Study and Seminar	=06

**Mandatory Courses**

S. No.	Courses	Credits
1.	Departmental Core Courses	12
2.	Mandatory Courses	06
3.	Laboratory Courses	02

**Credit System:**

Course Code	L (Lecture)	T (Tutorial)	P (Practical)	C (Total Credit)	Tentative No. of class hours/week
XXL (Lecture Course)	3	0	0	3	Theory Class: 3 hours/ Week
					Tutorial Class: 0 hours/ week
					Practical Class: 0 hours/ week
XXL (Lecture Course)	3	1	0	4	Theory Class: 3 hours/ Week
					Tutorial Class: 1 hour/ week
					Practical Class: 0 hours/ week
XXB (Both Lecture and Practical Course)	3	0	2	4	Theory Class: 3 hours/ Week
					Tutorial Class: 0 hour/ week
					Practical Class: 2 hours/ week
XXB (Both Lecture and Practical Course)	3	1	2	4	Theory Class: 3 hours/ Week
					Tutorial Class: 1 hour/ week
					Practical Class: 2 hours/ week
XXP (Practical Course)	0	0	3	2	Theory Class: 0 hour/ Week
					Tutorial Class: 0 hour/ week
					Practical Class: 3 hours/ week

**Minimum and Maximum Credit in a Semester**

Credits to be Registered	Condition	No. of Credits
Minimum Credits	--	16
Maximum Credits	Inclusive of backlog courses registered in study mode.	<b>32</b>
Maximum Credits	Inclusive backlog subject registered in study mode as well as examination mode.	<b>35</b>



#### Notes:

- Minimum credits necessary for the award of PG degree is 68
- Must have completed all the credit requirements for the degree, as prescribed by the senate with at least grade "D" or a higher grade in each of the subjects/ courses for which the student registered in all the semesters.
- Must have obtained a CGPA of at least 6.0/10 at the end of the semester in which the student completes all the requirements (including the dissertation) for the degree.
- A student with a CGPA of 8.0 and above, passing all subjects in the first attempt is considered eligible for the award of First Division with Distinction.
- A student with a CGPA of 6.5 and above but less than 8.0 is considered eligible for the award of First Division only.
- A student with a CGPA of 6.0 and above but less than 6.5 is considered eligible for the award of Second Division.

*\* one of the electives can be replaced by project work with the permission of Dean (R&C) and HOD with equivalent credits of that particular course.*

PhD
<ul style="list-style-type: none"> <li>• Every external/ internal research scholar (Full Time/ Part time) admitted under Ph.D. Programme is required to pass the course work of 14 credits approved by RAC &amp; DPGC within first two semesters with a minimum of 7.5 CGPA.</li> <li>• Minimum residential requirement: 36 months from the date of first registration</li> <li>• Minimum publication requirement: Two publications (published or accepted) resulting from original research (not review articles) in refereed SCI indexed international journals.</li> </ul>

#### 10. Grading System and Evaluation:

The grades and their description, along with equivalent numerical points wherever applicable are listed below:

Grade	Grade Points	Description
A+	10	Outstanding
A	9	Very Good
B+	8	Good
B	7	Average
C	6	Below Average
D	5	Marginal
F	0	Fail
R	0	Insufficient Attendance
NP	-	Audit Pass
NF	-	Audit Fail
I	-	Incomplete
W	-	Withdrawal
S	-	Satisfactory Completion
U	-	Unsatisfactory

The norms for the award of the letter grade are as follows:

- No student can be awarded D or better grade without securing at least 30% (for B. Tech)/ 40% (for M. Tech and PhD) marks in any course.



- It is also mandatory that the student should secure at least 30% (for B. Tech)/ 40% (for M. Tech and PhD) marks in the End Semester examination in the subject for award of D or better Grade.
- The Grading shall be relative grading system.

#### Description of Grades:

<b>'A+' Grade</b> <ul style="list-style-type: none"> <li>• The 'A+' grade stands for outstanding achievement. The minimum percentage for the award of an 'A+' grade is 80% at least. However, individual course coordinators may set a higher performance requirement. 'A+' grade may be given to a maximum of 5% students registered in a course.</li> </ul>	<b>'A, B+, B, C, D' Grades</b> <ul style="list-style-type: none"> <li>• The class average marks (after excluding the marks obtained by students with A+ and F grade) should be in the mid – range of B grade and other grade (A, B+, C and D) ranges are to be fixed appropriately, so that, the distribution of number of students in the pass grades is a "near normal bell curve".</li> </ul>
<b>'F' Grade</b> <ul style="list-style-type: none"> <li>• The 'F' grade denotes poor performance and indicates failing a course.</li> <li>• A student has an option to take the course with F grade either in study mode or examination mode when offered next.</li> <li>• A student with F grade is also eligible to take Make-up Examination (see rule for Make-up examination: point no.13).</li> <li>• In case of the elective courses in which F grade has been obtained the student may take the same course or any other course from the same category.</li> <li>• When a student gets F grade in any subject(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated by taking 'zero point' for these subject(s). After these transitional grades have been converted to appropriate grades, the SGPA for the semester and CGPA at the end of the semester will be recalculated after taking into account the new grades.</li> </ul>	<b>'R' Grade</b> <ul style="list-style-type: none"> <li>• Students not having the mandatory requirement of minimum 75% attendance in any subject(s), shall not be permitted to appear for the end semester examination in that particular subject(s) and is awarded 'R' Grade in that subject(s). Such student has to register/repeat in study mode for the subject in which he/she has shortage of attendance, as and when the course will be offered next.</li> <li>• When a student gets 'R' grade in any subject(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated by taking 'zero point' for these subject(s). After these transitional grades have been converted to appropriate grades, the SGPA for the semester and CGPA at the end of the semester will be recalculated after taking into account the new grades.</li> </ul>
<b>'NP and NF' grades</b> <ul style="list-style-type: none"> <li>• The NP Grade denotes completion of the Audit course. The NF grade denotes Audit fail. These grades are awarded in a course that the student opts to audit. Only an elective course can be audited until one week after the mid semester examination. The Audit Pass (NP) is awarded if the student's attendance is above 75% in the class and he/she has obtained at least a D grade. The Course Coordinator can specify a higher criterion for audit pass at the beginning of the semester. If either of these requirements is not fulfilled, an audit fail (NF) is awarded. The grades obtained in an audit course are not considered for the calculation of SGPA or CGPA.</li> </ul>	<b>'I' grade</b> <ul style="list-style-type: none"> <li>• If a student misses the end-semester examinations due to a compelling reason like serious illness of himself/ herself which necessitates hospitalization or a calamity in the family, he/she may appeal to the Dean Academics before commencement of examination through his/her Head of the Department and Institute Medical Officer for permitting himself/ herself to appear in the subsequent examination(s), when conducted next. A committee consisting of the following members may, after examining the documents and being convinced about the merit of the case, recommend permitting him/her to appear in the subsequent re examination(s), when conducted next, condoning his/ her absence. In such cases transitory grade 'I' is temporarily awarded to the student in the subject.</li> </ul>
<b>'W' Grade</b> <ul style="list-style-type: none"> <li>• The 'W' grade is awarded in a course where the student has opted to withdraw from the course.</li> </ul>	<b>S and U grades</b> <ul style="list-style-type: none"> <li>• The S grade denotes satisfactory performance and completion of a course. The U grade denotes unsatisfactory performance of a course and if it is a mandatory course, the student will have to register for the course until he/she obtains the S grade. The specific courses in which S/U grades are awarded are NCC/NSO/NSS, Extra Curricular Activity.</li> </ul>



#### Sub - committee:

- i. Dean-Academic, Chairman.
- ii. Dean- Student welfare, Member.
- iii. Concerned Head of the Department, Member.
- iv. The Institute Medical officer, Member.

The Assistant Registrar (Academic) - will assist the committee.

When a student gets, I Grade for any subject(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated ignoring this (these) subjects. After these transitional grades have been converted to appropriate grades, the SGPA for the semester and CGPA at the end of the semester will be recalculated after taking into account the new grades.

#### SGPA & CGPA Calculation Methodology:

Semester Grade Point Average (SGPA) will be computed for each semester. The SGPA will be calculated as follows:

$$SGPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$$

where  $C_i$ =credit for the course.

$G_i$ =the grade point obtained for the course.

$n$ =number of subject registers for the semester.

Starting from second semester a Cumulative Grade Point Average (CGPA) will be computed for every student at the end of every semester. The CGPA would give the Cumulative performance of the student from the first semester up to the end of the semester to which it refers and calculated as follows:

$$CGPA = \frac{\sum_{i=1}^n S_i C_i}{\sum_{i=1}^n C_i}$$

where  $S_i$ =SGPA of the semester.

$C_i$ =total number of credits register for during a particular semester.

$n$ =number of semester under consideration.

The CGPA, SGPA and the grades obtained in all the subjects in a semester will be communicated to every student at the end of every semester except eighth semester. In its place a consolidated grade sheet is issued. This consolidated grade sheet supersedes all the earlier grade sheets.

Both SGPA and CGPA will be rounded off to the second place of decimal and recorded as such. Whenever these grade point averages are to be used for the purpose of determining the inter se merit ranking of a group of students, only the rounded off values will be used.

#### Assessment of Academic Performance:

**Theory Course:** 100 marks with the following weightages:

Examination Component	Maximum Marks	Examination Duration
Continuous Evaluation	20	Distributed over the semester through internal assessments/ tests/ quizzes
Mid Semester Examination	25	1.5 hours
Marks due to Course Attendance	5	Distributed over the semester
End Semester Evaluation	50	03 hours



Maximum 5 marks for course attendance is distributed as follows, where marks for attendance to be rounded off to nearest integer.

Attendance (in %)	Marks
75% Above	3
80% and Above	4
90% and Above	5

**Laboratory Course:** 100 marks with the following weightages:

Examination Component	Maximum Marks	Examination Duration
Continuous Evaluation	50	Distributed over the semester through internal assessments/ tests/ quizzes
End Semester Examination	50	03 hours

The components of continuous evaluation may be taken as following example for evaluation:

- For Every laboratory course there will be 5 marks. Suppose number of labs conducted is 14 in that semester then 70 marks will be scaled down to 50 for continuous evaluation and if number of labs conducted is 8 then the 40 marks will be scaled up to 50.
- 5 marks of each laboratory will be given on following breakups by scaling down of total 50 marks.
  - Laboratory Report of Previous Experiment – 10 marks
  - Viva Voce of Present experiment – 20 marks
  - Performance in Present experiment – 20 marks

The mode and nature of the evaluation and the corresponding weightages, for the subcomponent shall be intimated to the students at the beginning of the semester along with the lecture schedule.

### (c) Theory Course with Laboratory

A course having theory as well as laboratory component, will be evaluated with 60% weightages to theory and 40 % weightages to laboratory for overall grading, with independent marking system given above for theory and laboratory courses.

#### 11. Mid Semester and End Semester Examinations:

The mid-semester examination will be conducted usually after 7 or 8 weeks of commencement of the course, as notified in the academic calendar. The examination section will conduct the mid semester and end semester examinations centrally.

1.	For students registered in a course in study mode, it is mandatory to appear in mid semester and end semester (depending upon the fulfillment of minimum attendance requirement as pointed in section 7) examinations. For students registered in a course in examination mode, it is only required to appear at the end semester examination (without attending any classes or without having minimum attendance requirement, even if attending classes).
2.	Students are not allowed to leave the examination hall without submitting the answers script. They will not be permitted to enter the examination hall after 30 minutes of commencement of examination and to leave the examination hall half time of the closure of examination.
3.	Students will be permitted to appear in the examinations in only those subjects for which they have registered either for study or for examination mode at the beginning of the semester.
4.	The final grades awarded to the students in a subject must be submitted by the course instructor/coordinator, within the dates mentioned in Academic Calendar or according to the notification by the office of Academics. The DAC-UG will compile all the grades submitted by the faculties of the respective departments and submit the final grades after moderation to the office of Controller of Examination.





5.	Any change of grade of a student in a subject consequent upon the detection of any genuine error of omission and/or commission on part of the concerned instructor must be recommended by the DAC-UG/ DPGC and shall be forwarded by the instructor/coordinator through the Head of concerned Department to the office of Controller of Examination within 10 (Ten) days from the publish of provisional end semester result of the present semester.
6.	As a process of learning by students and also to ensure transparency the answer scripts after correction of class tests, mid semester examination etc. will be shown to the students within one week from the date of test / examination.
7.	In order to ensure transparency in the evaluation of the scripts of end semester examination, those answer scripts also will be shown to the students upto the dates mentioned in the Academic Calendar before finalization of grades in DAC-UG/ DPGC. Once DAC-UG/ DPGC finalize the grades, the students will no longer have any right to verify his/her answer scripts.
8.	The student can appeal to DAAC for any arbitration within 10 (Ten) days from the date of official publication of the provisional result in the institute website. Students may appeal through proper channel only (DAAC ---> Head of the Department --> Controller of Examination --> Dean Academic) within due date.
9.	Evaluation of common courses taking by multiple faculty members has to be done by Table corrections method only.
10.	Within 10 days from the last examination, faculty members should finalize the evaluation and grading after showing answer scripts to the students.
11.	After 10 days of publication of provisional result (if no query arises) the grades will be considered final and the same will be treated as final semester result.
12.	A student of B. Tech. degree programme must complete the prescribed course work with a minimum requirement of 175 credits within a maximum period of eight years.
13.	A student who has passed all the courses without securing R, X, or F grades during the period of study and with a CGPA of 8.0 and above is considered eligible for the award of First division with distinction. A student failing to satisfy above rule even if he / she gets a CGPA of 8.0 or more will be eligible for the award of First division only. A student with the CGPA of 6.5 and above but less than 8.0 is considered eligible for the award of First division. A student with a CGPA of 5.0 and above but less than 6.5 is considered eligible for the award of second division. The valued scripts shall be preserved for a maximum period of 6 months after publication of results.
14.	Examination record of all students shall be maintained in both soft copy and hard copy form in the Examination section.

## 12. Re- Mid Semester Examination:

If a student fails to appear for the mid semester examination in any subject(s), under very special circumstances only, due to compelling reason like serious illness of himself/herself which necessitates hospitalization, he/she shall apply to the Dean (Academic) along with relevant certificates/ documents and duly recommended by the respective Head of the departments, within due date as mentioned in the Institute's Academic Calendar. All such cases will be refereed by institute medical officer and scrutinized by a committee. On the recommendation of committee, the approved list of candidates shall be permitted for a re-mid examination. The re-mid examination of such candidates will cover the course content up to one class day before the date of such re-exam.

## 13. Make Up Examination:

Students appearing in Make-Up Examination shall be governed by the following rules:

1.	Students with 'R' grade are not eligible for writing the Make-Up examination.
2.	Students with 'F' or 'I' grade are only eligible to write Make-Up examination.
3.	Make-Up examination is offered only once in an academic year, during summer.
4.	Make-Up examination will be in examination mode only.



5.	A student who has obtained 'F' grade in makeup examination may freshly register in that course in the subsequent semester (when it will be offered) either in study or examination mode.
6.	The schedule for makeup examination and registration for makeup examination are published in the academic calendar.
7.	A student can register for makeup examination in any number of courses.
8.	A student securing 30% or more marks in a course in the Make-Up examination shall be awarded only 'D' grade, otherwise 'F' grade will be awarded.

#### 14. Malpractices and Punishment during Examination(s):

S. No.	Nature of the Malpractice	Punishment
1.	Taking out, used or unused answer booklets outside the examination room.	Fine of Rs. 2000/- per paper. In case of used answer booklets, in addition to the above, the candidate shall be awarded an F Grade in that subject.
2.	Verbal or oral communication with neighbouring students after one warning.	Taking away the answer script and asking the student to leave the hall.
3.	Possession of any incriminating material inside the examination hall (whether used or not) For Example: written or printed materials, bits, writings on scale, calculator, hand kerchief, dress, part of the body and hall ticket etc.  Possession of cell phones, programmable calculator, recording apparatus or any unauthorized electronic equipment. Copying from neighbour.  Exchange of question papers and other materials with some answers.	In case of Mid/ Sessional examination, award zero marks. In case of End semester examinations, award F Grade. The candidate may be allowed to write make-up examination.
4.	Possession of answer book of another candidate. Giving answer book to another candidate.	The candidate shall be awarded zero marks in that examination and he/she shall be awarded F Grade in that particular subject.
5.	Misbehaviour in the examination hall (unruly conduct, threatening the invigilator, or any other examination officials). Repeated involvement in malpractices 2 to 5 above.	Cancellation of all theory examinations registered in that semester and further debarring from continuing his/her studies for one year (two subsequent semesters). However, such student may be permitted to appear for makeup examinations of the previous semesters.
6.	Cases of Impersonation	Handing over the impersonator (outsider) to the police with a complaint to take appropriate action.  Cancellation of all examinations (all papers registered) for the bonafide student for whom the impersonation was done and further the bonafide student will be debarred from continuing his/her studies and writing all examinations for two years or expulsion from the institute.  If a student of this institute is found to impersonate a bonafide student, the impersonating student will be debarred from continuing his/her studies and writing all examinations for two years or expulsion from the institute.
7.	Physical assault to the invigilator or any examination officials.	Rustication from the Institute.



Any other type of malpractices reported; the enquiry committee may recommend appropriate punishment. The Malpractice and Disciplinary action committee (Academic) shall award the appropriate punishment. The constitution of the committee is as follows:

1. Dean (Academics)	Chairman
2. Dean (Student Welfare)	Member
3. Concerned Head of the Department	Member
4. Invigilator (s)	Member
5. Controller of Examination (COE)	Convener

#### 15. Promotion Rules:

There are no restrictions for promotion from odd semester to even semester, however restrictions are imposed for promotion from even to odd semester. These restrictions are as follows:

##### B. Tech

To be able to register in the third Semester, a student should have completed, with D or better grade, at least 30 credits at the end of first year (in first and second semesters and make up examinations put together).

##### From II Year to III Year

For promotion to Third year, a student should have (i) Cleared all the Course Work requirements of First Year and (ii) passed, with D or better Grade, at least 30 credits at the end of second year (third Semester, fourth semester and make up examinations put together).

##### From III Year to IV Year

For promotion to Fourth year, a student should have (i) Cleared all the Course Work requirements of first year, second year and (ii) passed, with D or better Grade, at least 30 credits at the end of third year (fifth semester, sixth semester and make up examinations put together).

##### M. Tech

##### Stipend-cum-Teaching Assistantship/ Scholarship and Contingency Grant for Post Graduate Programme

- All students admitted to M. Tech programmes will be eligible for teaching assistantship/stipend in their respective departments.
- Tenure of the teaching assistantship/stipend will be counted from the date of registration and initially will be awarded for the first semester.
- Assistantship will be renewed on semester-to-semester basis. A student should have CGPA  $\geq 6.5$  to get the assistantship for the next semester, failing which assistantship/stipend will be stopped. However, the student will be allowed to continue the M.Tech programme without assistantship/stipend. After attaining the sufficient CGPA (in cases), the stipend of the concerned student may be immediately started from the first day of next calendar month (not from next semester) subject to fulfilment of all other necessary conditions.
- Normally the tenure of the assistantship/stipend will be terminated with effect from the day following the date of final thesis/dissertation or 24 months from the date of first registration whichever is earlier, provided he/she has not left the institute earlier or being expelled from the institute.
- If the student is absent due to illness/medical reasons, the stipend could be extended for the corresponding duration provided the total stipend duration (during the whole programme) doesn't exceed 24 months.
- To avail the teaching assistantship/stipend, M. Tech student has to work full time in the institute and has to perform minimum 8 hours/week of duties assigned to him/her. Failing which assistantship/stipend may be stopped.
- The assistantship/stipend for the last month shall be payable subject to foregoing up to the actual date of the student's leaving the institute. The assistantship will be allowed for the last month on production of proper No Dues certificates.
- Continuation of student's assistantship/stipend from month to month will be subject to candidate's good conduct and good performance in the assigned work verified by the competent authority of the department.
- Student has to submit a progress report along with the assistantship/ stipend form to the HOD, through DPGC convener on the last working day of each month.
- The sanction of assistantship/ stipend will be as per the guidelines prescribed AICTE/MHRD from time to time.



### Stipend-cum-Teaching Assistantship/ Scholarship and Contingency Grant for Ph.D. Programme

- All students admitted to the Ph.D. programme are eligible for institute teaching assistantship (TA)/assistantship from other funding agencies.
- In case of unavailability of hostel accommodation in the campus, the Research Scholar may reside outside. Such candidates are entitled for House Rent Allowance (HRA) as per Government of India rules.
- The tenure of an institute assistantship shall be as per MHRD guidelines in this regard.
- The assistantship will be counted from the date of first registration. The initial award shall be for two years and then renewed for subsequent years subject to satisfactory progress to be recommended by the RAC followed by an approval from Dean (R&C).
- In the final year, however, the extension may be granted by RAC not more than six months at a time subject to the Research Scholar's satisfactory performance at seminar delivered to RAC embodying the progress of the work during last six months.
- Grant of a six-monthly installment of the tenure is subject to actual requirement of the work and has to be duly certified by the RAC after assessing the progress of the work presented through a written report and seminar.
- The tenure of the assistantship awarded to a Research Scholar will terminate with effect from the day following the date of thesis submission, provided she/he has not left the Institute earlier and has been working in the Institute till date. However, she/he may be allowed to draw assistantship for a further maximum period of three months to complete any unfinished part of study strictly related to her/his research work on the recommendation of the RAC and approval of Dean (R&C).
- The last month's assistantship shall be released on production of a "No Dues Certificate".
- Notwithstanding anything contained in the forgoing sub-paragraphs, continuation of assistantship from month to month is subject to Research Scholar's good conduct and continuous progress of research work to the satisfaction of the supervisor(s), HoD, and other concerned authorities.
- Stipend cum Teaching Assistantship/ Scholarship and Contingency grant to the candidate working under the Sponsored Projects coordinated by the faculty of the institute shall be given as per the terms and conditions of the project. Research scholar has to submit the scholarship form *PH.D.-XVI* every month through proper channel
- No Ph.D. student will get stipend/assistantship/fellowship for more than two sources, Government of private.

### 16. Provision for Re-Registration of Student (B. Tech/ M. Tech) who did not register in a Semester:

If a student fails to register in a semester within the stipulated time mentioned in the academic calendar and subsequently, he/ she is intended to register in any of the coming semester, his/ the competent authority subject to following conditions may consider his/her request for registration:

1.	He/ she will have to pay the registration fee, tuition fee etc. in all the previous semesters for which he/she remained absent without any valid permission.
2.	In addition to above, he/ she will have to pay a penalty of Rs. 10, 000 per semester in all the previous semesters for which he/she remained absent without any valid permission.
3.	No registration in between the semester will be allowed and will only be followed according to the dates mentioned for registration in Academic calendar.
4.	In case of such absence without prior approval, the rule for minimum period required (according to regulations) time to confront student's degree, shall not be violated.
5.	No request by the student in such cases for special examinations/ any alternations etc. will be entertained, under any circumstances.

### 17. Change of Branch:

Student admitted to a particular branch of the B. Tech course only will normally continue studying in that branch till completion. However, under special circumstances, the Institute may permit a student, admitted through AIEEE to change from one branch to another after the first year only. Such changes will be permitted strictly in accordance with the previous laid down hereafter.

The details are provided in the Institute website ([www.nitdelhi.ac.in](http://www.nitdelhi.ac.in)) (*Website à Academics à Request Forms → Branch Change Form*).



## 18. Attendance Rules:

Following are the mandatory rules relating to attendance requirements:

1.	Every student is expected to have 100% attendance in each course in which he/she is registered for study mode.
2.	All students must attend every lecture, tutorial and practical classes. However, to account for late registration or medical/health reasons or other such contingencies, the attendance requirement will be <b>a minimum of 75%</b> from the commencement of classes till last teaching day.
3.	If a student has less than 75% attendance in a course during the semester, the student will not be allowed for end-semester examination and 'R' grade will be given in that course.
4.	To promote extra-academic/ extra-curricular activities, attendance of maximum 5 working days will be relaxed for those students who are officially representing NIT Delhi in cultural/sports/academic events, organized at National and International levels with prior approval of the Institute only [Senate Approval: Agenda Item: Senate/03/2017/07 dated January 14, 2017].
5.	For such above, students have to take prior approval from concerned section/ competent authority and subsequently submit the approval to the office of concerned HoDs/ course instructors to receive such attendance immediately after joining the Institute after availing such leave.
6.	Attendance record will be maintained by each course instructor in every scheduled lecture, tutorial and practical classes. The programme coordinator will maintain and consolidate attendance record for the course in hard copy and through online (ERP) system as well.
7.	Attendance of students in every course will be visible through student's IMS (ERP) account and students are advised to observe the status of their attendance record in every course on regular basis.
8.	Before the end semester examination, office of Academics will release the list of students having less than 75 % attendance, based on the data received from all the departments in various courses, who will not be allowed to appear in the end semester examination.
9.	Marks will be awarded in subsequent slabs of having attendance (details provided in point 11).

## 19. Absence during Semester:

1.	A student must inform to the HOD office immediately of any instance of continuous absence from classes.
2.	A student who has been absent from mid semester examination due to illness should approach the programme coordinator for a make-up examination, immediately on return to class. The request (in a proper format) should be supported with all valid medical documents certified by institute's medical officer.
3.	In case of absence on medical grounds or other special circumstances, before or during the end semester examination period, the student can apply for I-grade. 75% attendance in a course is necessary for being eligible for an I-grade in that course. An application requesting, I-grade should be made at the earliest but not later than one week before the commencement of end semester examinations. The application should be written to the Head of the Department of the student's programme who will grant approval depending on the merit of the case and inform the programme coordinator and Dean Academics office.
4.	If any student is absent for 1 to 15 days without obtaining any prior and proper approval/ sanction of leave from the Head of the Department, and then it will be treated as an act of indiscipline.
5.	If any student is absent for 16 or more than 16 days without obtaining any prior and proper approval/ sanction of leave from the Head of the Department, then a warning letter (through email and hard copy to be sent to student's permanent address mentioned in his/ her registration form) shall be issued by the concerned department and if he/ she will not respond in written against that warning letter within five (5) working days then the process of cancellation of registration of that student shall be initiated by the office of Academics based on the subsequent recommendations from office DAC-UG and office of Head of that concerned department.
6.	In case the period of absence on medical grounds is more than 20 working days during the semester, a student may apply for withdrawal from the semester, i.e., withdrawal from all courses registered in that semester. Such application must be made as early as possible and latest before the last teaching day. No applications for semester withdrawal will be considered after the last teaching day. The Dean (Academics) depending on the merit of the case will approve such applications. Partial withdrawal from courses registered in a semester is not allowed.
7.	If a student is continuously absent from the institute for more than 20 working days without notifying the Dean (Academics) through concerned Head of the Departments, his/her registration will be automatically cancelled for that semester.



## 20. Self-Study Course:

Maximum two courses can be taken as self-study course, depending on the notification based from concerned department. The self-study course will be only in study mode and student has to go through continuous assessment, mid semester examination and end semester examination of that course. There will be no attendance requirement for self-study course. The fee for the self-study course will be as per the fee structure defined from time to time.

- (a) A self-study course will be from the regular UG courses listed in the concerned UG curriculum.
- (b) A student may be given a self-study course not exceeding 6 credits in the final semester if he / she is short by a maximum of 6 earned credits required for graduation provided that the course is not running in that semester as a regular course.
- (c) A student is permitted to do above, provided he/she has failed in it earlier.
- (d) Students should apply for a self-study course with appropriate recommendation of a course Coordinator and the Head of the Department of the student's programme. The final sanction of a self-study course to a student is made by the Dean Academics, on recommendation of Head of the Department.
- (e) Normally, no formal classes will be held for a self-study course, but student may contact concerned course coordinators time to time.
- (f) The Course Coordinator will hold mid and end semester examinations besides other tests/quizzes for giving his/her assessment and it will be mandatory for students to attend all these examinations/ assignments.
- (g) Self study courses will only be applicable for elective and open elective courses.
- (h) Fundamental core courses must be cleared by the students to ensure basic engineering degree.

## 21. Adding and Dropping/Withdrawal of Course(s):

The addition and dropping/ withdrawal of courses may be accomplished subject to following conditions:

1.	The choice of elective/ open elective courses will be based on the pre-registration basis, which has to be completed well in advance before the semester registration.
2.	There may be a provision for adding/ dropping/ switching of elective/ open elective courses within 2 weeks of commencement of semester only, with the concerned from department. After that no such above modification will be entertained.
3.	There may be a minimum 20% of the total strength of the students in the class required to conduct any elective courses. However, Head of the Department may be empowered to take the final call based on the need and situation.
4.	There may be a minimum 20% of the total strength of the students (from other departments) required to conduct any open elective course. However, Head of the Department may be empowered to take the final call based on the need and situation.
5.	The 'W' grade is awarded in a course where the student has opted to withdraw from the course.
6.	In case of switching of courses, the attendance shall be transferred among the faculty members.

## 22. Temporary and Permanent Withdrawal from Institute:

### Temporary Withdrawal:

Provision of 'temporary withdrawal' from the Institute for the student(s) will be under following guidelines:

1.	A student who has been admitted to a degree program of the Institute may be permitted to withdraw temporarily for a period of one semester or more, from the Institute on grounds of prolonged illness or acute medical problem in person which compelled him/her to stay at home.
2.	He/she applies to the Institute within 3 weeks of the commencement of the semester or from the date he/she last attended his/her classes whichever is later, stating fully the reasons for such withdrawal together with supporting documents and endorsement of the father/guardian mandatorily.





3.	The Institute is satisfied that, inclusive of the period of withdrawal, the student is likely to complete his/her requirements for the degree within the time limits as mentioned in the regulations, then only the applications may be considered. There are no outstanding dues or demands from him/her by the Institute/Hall/Department/ Library/ Gymkhana/NCC etc.
4.	A student who has been granted temporary withdrawal from the Institute, will be required to pay the tuition fee and other essential fees/charges for the intervening period till such time as his/her name is borne on the Roll List.
5.	In such a case student will be fully withdrawn from all courses of the semester, no part time basis withdrawal will be allowed.
6.	A student will be granted only one such temporary withdrawal during his/her tenure as a student of the Institute.
7.	Under no circumstances, will an application for semester withdrawal be accepted after the Commencement of major tests. A student is not permitted to request for semester withdrawal with retrospective effect.
8.	A student who has been granted a temporary withdrawal on medical grounds will be allowed to rejoin and resume his/her studies only after being declared medically fit by the Institute Medical Officer along with submission of proper medical documents duly verified by Doctor (With proper registration number and seal of the organization) from Government Medical Organization only.
9.	A student will be allowed to join in Autumn/ Spring semester only, if he/she has been withdrawn in any previous Autumn/ Spring semester i.e. if a student has been withdrawn in third semester, then he/ she will be allowed to join back in the next or subsequent third semester only, when it will appear next. This way he/ she will be in a loss of one academic year at least.

#### **Permanent Withdrawal:**

Once the admission for the year is closed, the following conditions govern for permanent withdrawal of admissions:

1.	A student, who wants to leave the Institute for good, will be permitted to do so, only after clearing all the dues, if any. Also, all the fees and charges already paid will not be refunded on any account.
2.	Those students who have received any scholarship, stipend or other forms of assistance from the Institute shall repay all such amounts.
3.	The decision of the Director of the institute regarding all aspects of withdrawal of a student shall be final and binding.

#### **23. Students Feedback:**

Students submit their online feedback at ERP system regarding each and every course, he/she has undergone, at the end of every semester, based on the notification from the office of Dean Academics.

#### **24. Refund Policy:**

If a student chooses to withdraw from the program of study in which he/she is enrolled, the Institute (NIT Delhi) will follow the following steps for the refund of fees paid by the student.

1. If a student withdraws from the Institute before the Registration/Reporting at Admitted Institute [According to CSAB/CCMT/DASA time schedule available in respective website], the entire fee will be refunded after deduction of Rs 1,000/- towards the Processing Fee.
2. If a student withdraws from Institute after the Registration/Reporting at Admitted Institute [According to CSAB/ CCMT/ DASA time schedule available in respective website], he/she needs to submit a withdrawal request through a completely filled-in Application form as prescribed by the Institute (i.e. Annexure I) along with the 'No-Dues' form (available at Institute's website), verified from all the concerned Office/Dept./ Section. Only after the Approval of the same, the following deposits may be refunded after deduction of dues, if any:
  - a) Institute Caution Money
  - b) Hostel Security and Mess Security (if applicable).

**Note:**

- The Refund will be made after the completion of the entire admission process and after the receipt of the Admission Fees from the CSAB/CCMT/DASA respectively (i.e. Fees submitted directly to the CSAB/CCMT/DASA by the student).
- Also, the Institute will follow the Refund rules for Fees as per the MOE guidelines notified from time to time.
- In case of natural or accidental death and major casualties of the student, the refund rules/clauses shall be applicable to the extent as given above.
- The above rules are applicable for entry-level admissions in UG/PG.

**25. Minimum and Maximum Duration for Completion of Degree Requirements:**

Programme Name	Minimum Number of Registered Semesters	Maximum Number of Registered Semesters Permitted for Completing Degree Requirements
B. Tech	8	16
M. Tech	4	4

**26. Measure of Inadequate Academic Performance for Degree Requirements by Students:**

A student is expected to maintain at least a minimum level of performance at all times. The Office of Dean Academics will review the academic performance of each UG student at the end of each regular semester. A deficient student may be placed on Warning or Academic Probation or his/her academic programme may be terminated as per following rules applicable for that particular batch.

All such students falling under all such categories will be treated as Academically Weak Students. A student on Warning or Academic Probation will be under following conditions:

- She/he shall register with higher priority for those courses (or their substitute) in which grade F/R/I is obtained.
- She/he shall not hold any office in the Hall of Residence, Students Gymkhana or any other organization/body of the Institute.
- Any other special terms and conditions laid down by the Senate time to time.
- The criteria for placing students on Warning, Academic Probation, and Programme Termination are described in the following sections.

**Warning:**

The following table shows the criteria for being placed on Warning, if all following criteria are fulfilled:

Batch	Undergraduate
2019-2020 onwards	He/she fails to secure at least 15 credits. His/her SGPA is less than 6.0 His/her CGPA is less than 6.0

A warning letter will be issued to student(s) as well as to the guardian/local guardian of those student(s) by the office of Dean Academics.

**Academic Probation:**

The following table shows the criteria for being placed on Academic Probation, if all following criteria are fulfilled:

Batch	Undergraduate
2019-2020 onwards	He/she fails to secure at least 12 credits. His/her SGPA is less than 5.0 His/her CGPA is less than 5.0





A student on academic probation may be allowed by the DAC-UG to register for the minimum credits as per the Institute's Rules and Regulations in the subsequent semester to promote slow pace programme to opt for the student. No student's programme may be terminated who is not already on academic probation (or in Warning).

#### **Programme Termination:**

The following table shows the criteria for programme termination:

Batch	Undergraduate
2019-2020 onwards	He/she fails to secure at least 10 credits. His/her SGPA is less than 4.0 His/her CGPA is less than 4.0

#### **Appeal against Termination:**

A student whose programme is terminated may appeal to the Chairman, Senate, for re-reinstatement in the programme through proper channel (Head of the Department → Dean Academics → Chairman Senate) only. In cases of termination due to inadequate academic performance, the student should clearly explain causes for the poor performance, including how those causes will not adversely affect her/his performance in the future. The Senate shall take a final decision after considering all available inputs. A student will not re-appeal after previous appeal has been rejected.

### **27. Academic Advising for Undergraduate Students:**

#### **Academic Advising Scheme for Regular Students:**

- There may be a class committee for each entry year of all programmes. The class committee is responsible for providing consistent and uniform academic advice to the entire batch of students.
- Class committee shall consist of a Chairman, at least two faculty members of the department (one of them will function as convenor of the class committee) and elected student representative as a student coordinator. The faculty members in the class committee would be referred to as Faculty Mentors for the batch.
- The Coordinator of a class committee will be appointed in a year-specific fashion, as per the election of student council of the Institute according to Institute's Rules and Regulations.
- Other Students can approach any class committee member for academic advice before registration or any time during his/ her study. In other words, all the four members of the class committee will have the functional role of mentoring for all the students of respective batch within the jurisdiction of the Institute's rules and regulations.
- The faculty members of the committee in consultation with the elected representative/ coordinator of the class will provide academic advice applicable to all the students in general. The class committee is also expected to discharge following responsibilities:
  - Helping to Choose electives for the subsequent semester during pre-registration session for electives.
  - Addressing issues related to scheduling and categorization of courses.
  - Organizing Student – Teacher interaction events for the batch apart of CRC meetings scheduled in Academic Calendar.
  - Responsible for organizing CRC meetings as per the Academic Calendar of the Institute.
  - Constructively helping students in every possible manner for academic under the jurisdiction of the Institute's rules and regulations.
- The Chairman, Convener and the other faculty members of 1st year/ other years class committee would be identified by the Chairman, Academic Counseling Committee in consultation with Head of the Department prior to the orientation of new students/ registration of regular students. During orientation, students and their parents will be introduced to these class committee members for first year students.
- The class committee will be directly under the jurisdiction of Chairman of the Academic Counseling Committee



of the Institute.

Working flow for the advising scheme for regular students:

**Advising Scheme for Academically Weak Students:**



- (a) The students on probation or academically weak in each batch (if applicable) will be put under a special advisor, identified by the Chairman Academic Counseling Committee in consultation with Head of the Department, who is expected to monitor the students in a personalized manner. Normally, not more than 5-8 students may be assigned to a special advisor. Chairman, Academic Counseling Committee, in consultation with Heads of Departments will appoint special advisors at the beginning of an academic session. The Special Advisor, may be appointed from outside, from any professional organization.
- (b) A meeting of the special advisors with Chairman, Academic Counseling Committee and Dean Academics would be held at the beginning of each semester for coordination of the advising process.
- (c) A student on probation/ academically weak, is expected to be in close contact with the advisor by meeting him/her at least once every 2 weeks for the entire period during which the student continues to remain in probation/ weak situation. Special advisors will be invitees to the class committee meetings as well.
- (d) Special advisor in consultation with the parents and student counselor, if required, will make a student-specific plan. The special advisor is expected to:
  - Closely interact with the weak student and his/her parents.
  - Manage and track counseling process of the student, if any, in coordination with the Chairman, Academic Counseling Committee.
  - Helping their registration by choosing the courses properly.
  - Manage the recommendation/appeal for termination/continuation process in consultation with Head of the Department and Dean Academics.
- (e) At the time of registration for a semester, the student meets his / her advisor if possible, with parents, to:
  - Identify specific problems and ways to mitigate the same.
  - Helping their registration by choosing the courses properly.
  - Help Head of the Department in the processing of the student's appeal against termination, if applicable.
- (f) The student being placed under probation for the 1st time may also meet the special advisor during this period, if needed. The advisor can provide professional help in identifying to resolving problems. Advisor's input will be available to the Chairman, Academic Counseling Committee. During the add-drop period, the student, preferably along with his/her parents, should come and meet the special advisor.
- (g) While considering any appeal from an academically weak student for continuation of his registration, the Dean Academics would consider the following:
  - (i) whether he/she has met his/her Advisor and Counselor at the scheduled times on a regular basis.
  - (ii) whether he/she is regular in help sessions. Registration of a student under probation will not be approved for the next semester if he/she does not comply with the process of meeting the advisor/counselor.

An Institute level committee, Academic Counseling Committee, would monitor the entire operation of



academic advising for weak students. Functions of the committee include monitoring the performance of weak students and making the recommendations regarding termination/ continuation. This committee would also evaluate the weak students based on the feed-back regarding

- (i) Regularity in meeting the advisor and /or counselor.
- (ii) Student's attendance in help sessions.
- (iii) Academic performance.

A summary of the weak student's performance would be made available to the special advisor, Head of the Department, Chairman Academic Counseling Committee as well as Course Coordinators of the courses in which the student is currently registered.

Working flow for the advising scheme for academically weak students:

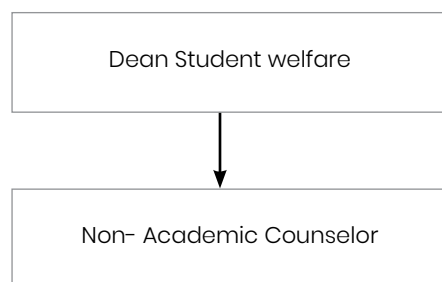
**Student Mentors:**



Each student may be assigned a student mentor from the preceding senior batch and preferably from the same discipline to mentor students on academic and extra-curricular activities and provide feed-back to the special advisor/ class committee/ Chairman, Academic counseling committee, in case of weak students or even regular students. The student mentor will be decided by the Academic Counseling Committee under the jurisdiction of Chairman of the Committee in consultation with the respective HoD. Under a single student mentor, maximum 5 junior students may be assigned, however depending on the number of students registered/ admitted in a particular academic year. Final year students may not be placed under any student mentorship and may be directly under the mentorship of Academic Counseling Committee.

**Advising Scheme for Students under Non- Academic Grounds:**

- (a) The students on mental depression or facing other non-academic social/ personal problems will be put under a professional, non-academic counselor appointed by the Institute.
- (b) Such counselor may be visiting fixed twice or thrice in a week, where special interaction with students may be held.
- (c) Appointed Non-Academic Counselor will work under the jurisdiction of Office of Dean Student Welfare of the Institute.





## 28. Discipline Manual for Students:

### Grounds of Disciplinary Proceedings:

#### **Sexual Harassment/Misconduct:**

Offensive or derogatory comments or conducts reflecting gender-bias which create intimidating work or living environments and which represent substantial violations of the rights or opportunities of the victim(s). Such conducts include but are not limited to:

- a) Conducts that violate the institute's policies prohibiting sexual harassment, such as unwelcome sexual advances, requests for sexual favors, and other unwelcome verbal or written communications of a sexual nature.
- b) The use of phone, email or any other method designed to transmit messages or materials of an explicit sexual nature that are unwanted by the recipient.

#### **Accused/ Arrested on Criminal Grounds:**

- (a) The matter to be immediately reported to the Office of Dean Student Welfare by the student/ department/ guardian or any concerned of student.
- (b) The matter will be then placed (after receiving information from student or Police or any concerned authority, if not reported by student) at the Institute's Academic Discipline Committee, where committee may instruct the student to appear personally in front of the committee for a personal hearing or in writing to provide adequate justification of the matter to the committee, if not able to appear for personal hearing.
- (c) Based on the gravity of the situation, in situ Academic record and behavior of the student within the Institute and based on the available records from the Police, the committee is provisionally empowered to provide temporary or permanent expulsion/ rustication/ probation/ warning to the student.
- (d) The decision of the committee will be dully submitted to the Senate for its final decision under the jurisdiction of the Senate Chairman.

#### **Other General Disciplinary Grounds:**

All students are responsible for conducting themselves in a manner that helps enhance the environment of learning, wherein the rights, dignity, worth and freedom of each member of the campus are respected.

A student found responsible for the violation of any clause outlined in this section is subject to disciplinary sanctions. Dean Student welfare or designee may initiate disciplinary proceedings against student(s) suspected of violating the Code of Conduct of the Institute outlined herein and/or elsewhere within the jurisdiction of the Rules and Regulations of the Institute.

- Any violation of any sort pertinent to the Indian Penal Code.
- Violation of any published NIT Delhi policies, rules and regulations. It is the responsibility of the student to be familiar with all NIT Delhi policies that refer to appropriate behavior on campus.
- Failing to comply with orders or directives of NIT Delhi officials, Institute hearing bodies, Institute Security Personnel, or any other law enforcement officers acting in the performance of their duties.
- Furnishing false or misleading information to a member of the faculty, staff, student, or law enforcement official acting in an official capacity.
- Violation of NIT Delhi policies causing threat to academic integrity.
- Forgery, alteration, destruction, misuse, or possession of NIT Delhi documents, including but not limited to Institute identification cards or records without authorization. Violations include, but are not limited to, forgery of applications for financial aid, admission, course changes or course credit, copying, misuse or alteration of parking permits, alteration or misuse of transcripts, and student identification cards etc.



- Abuse of the Institute disciplinary system, including but not limited to knowing falsification or misrepresentation of information presented to any judicial authority. Interference with a judicial process through coercion, intimidation, threats, or bribery. Failure to promptly obey any mandate of any NIT Delhi disciplinary authority. Failure to comply with written or oral communications from an authorized NIT Delhi official to appear for a meeting or hearing as part of the Code and Conduct of system.
- Damage, defacement, or destruction of any private or Institute property.
- Attempted or actual theft or possession of private or Institute property.
- Unauthorized use of private or institute facilities including, but not limited to telephone, internet, computing equipment's and accessories and any mode of communication.
- Possession, duplication, or use of keys to any NITD premises without authorization or prior approval; entry or use of Institute premises without permission.
- Violation and/or sabotage of safety systems, including but not limited to, the below listed behavior as well as any other behavior prohibited by the Institute authority.
- Unauthorized use, abuse, or interference with fire protection equipment or other safety equipment, which could result in death, injury, or substantial property damage.
- Intentional setting off of false fire alarms.
- Bomb threats or similar threats involving dangerous devices or substances.
- Behavior which constitutes a significant fire hazard.
- Unauthorized possession or use of any material or substance which constitutes a significant health hazard.
- Conducts that endanger the health or safety of members of the NIT Delhi community or other persons.
- Violation of traffic rules, all inclusive of two, three and four wheelers, that jeopardizes orderly traffic and safe journey on the road within Institute premises.
- Disorderly conducts including, but not limited to, verbal abuses or inappropriate behavior or any other activities or behavior prohibited by the Institute authority.
- Discriminations against any member of the NIT Delhi community, or a visitor, through biased or prejudicial behavior related to the person's race, color, nationality, sex, religion, disability, age or sexual orientation.
- Failing to discourage/confront illegal activity and/or violation of the Code and Conduct of Student by active/passive participation/presence during the activity.
- Hazing, defined as, but not limited to, any act imposed on current or potential members of a group or organization that endangers the mental or physical health or safety of a person, that defaces or destroys public or private property, that is likely to result in humiliation or ridicule, or that is likely to result in interference with academic efforts regardless of the consent of the participants, or any actions or activities prohibited by the NITD authority.
- Physical abuse, including, but not limited to, inflicting or threatening bodily harm upon any person, or acting in a manner which creates a risk of bodily harm to any person. Harassment, abuse, coercion, or threats by means other than the use or threatened use of physical force. These include, but are not limited to, any behaviour prohibited by the law.
- Harboring or bringing a pet on NIT Delhi premises in violation of Institute policy.
- Gambling for money or other items of value on NIT Delhi premises; including but not limited to, playing cards or other games of chance or skill for money or other items of value. Use or possession of a controlled substance, narcotic or drug paraphernalia, including but not limited to, any actions or activities deemed prohibited by the Institute authority /Government of India.



- Possession or use of any dangerous or prohibited chemicals/weapons/firearms within Institute premises.
- Possession or use of any explosive device or material, including but not limited to, firecrackers etc. without express authorization by an authorized NITD official.

## **29. Rules for Selection of Academic Excellence Awards:**

### **Eligibility Criteria:**

The medals to the students in the Convocation may be awarded to those students who have completed their B. Tech/M.Tech degree requirements and have satisfied the following eligibility criteria:

- (i) The Minimum CGPA required is 8.5 for the award of any medals or prize.
- (ii) He/ She has not failed in any subject at any stage during his/her course of study at the Institute till the time of the award.
- (iii) No disciplinary action has been taken against him/her for any offense during his/her course of study at the institute prior to the award.
- (iv) He/ She has not been punished under examination malpractice and involved in violation of code of conduct at any stage of the course in the Institute/Hall of Residence/ Department /Club etc.

### **Academic Excellence Awards/ Medals:**

1. The President's Gold Medal (PGM): This will be given to the student who secures the highest CGPA in the batch of graduating students amongst all the Branches.
2. Director's Gold Medal (DGM): This will be given to the student who secures the highest CGPA in the class of graduating students of a branch except for the branch from which the student will get the President's Gold Medal. The branch from which the student has been awarded the President's Gold Medal, the student with the second highest CGPA will be awarded the Director's Gold Medal.
3. Institute Silver Medal (ISM): This will be given to the student who secures the 2<sup>nd</sup> highest CGPA in the class of graduating students of a branch except for the branch from which the student will get the President's Gold Medal. The branch from which the student has been awarded the President's Gold Medal, the student with the third highest CGPA will be awarded the Institute Silver Medal.

### **Rule to be followed in case of Tie-Breaking:**

1. If two or more students attain an equal CGPA upto two decimal points (in addition to satisfying the above-mentioned eligibility criteria), all such students will be eligible for the concerned medal(s) i.e., DGM and ISM only.
2. If there is a tie for PGM, the following tie breaking rules can be applied:
  - (a) The students having earned a greater number of credits will be awarded the PGM.
  - (b) The student with greater count of topmost grade (i.e. A+ grade in case of 2015 batch onwards and Ex grade in case of the previous batches) will be awarded the PGM.
  - (c) If the count of topmost grade is also equal, the student with greater count of next topmost grade (i.e. A grade) will be awarded the PGM. The criterion will be applied for count of all next topmost grades until the tie is broken.
  - (d) If there is still a tie, the student with higher CGPA at the end of 7<sup>th</sup> semester will be awarded the PGM. The criterion will be applied for CGPA at the end of immediate previous semesters (one by one) until the tie is broken.



### Academic excellence awards received to the B. Tech and M. Tech students in the AY 2020-2021:

BACHELOR OF TECHNOLOGY 2016-2020 BATCH					
S. No.	Student ID	Student Name	Branch	CGPA	Medal
1.	161210033	PRAKASH KUMAR	CSE	9.24	PRESIDENT'S GOLD MEDAL
2.	161220025	MONIKA SINGH	CSE	9.19	DIRECTOR'S GOLD MEDAL
3.	161220006	ANKITA JAIN	CSE	8.91	INSTITUTE SILVER MEDAL
4.	161220033	SAGAR MISHRA	ECE	8.73	DIRECTOR'S GOLD MEDAL
5.	161230018	KIRTI GAURAV	EEE	8.91	DIRECTOR'S GOLD MEDAL
6.	161230001	MS.GARVITA SHARMA	EEE	8.89	INSTITUTE SILVER MEDAL

MASTER OF TECHNOLOGY 2018-2020 BATCH					
S. No.	Student ID	Student Name	Branch	CGPA	Medal
1.	182311011	SHEORAN ANKITA JAISINGH	ME (CAD/CAM)	9.96	PRESIDENT'S GOLD MEDAL
2.	182311009	PRABHAT DEV M	ME (CAD/CAM)	8.94	DIRECTOR'S GOLD MEDAL
3.	182311008	PIDGE PRITAM ANANT	ME (CAD/CAM)	8.78	INSTITUTE SILVER MEDAL
4.	182211011	VAGISHA GUPTA	CSE (Analytics)	9.12	DIRECTOR'S GOLD MEDAL
5.	182211002	ANILKUMAR C GOUDAR	CSE (Analytics)	8.94	INSTITUTE SILVER MEDAL
6.	182220001	AKSHAY KAMBOJ	ECE	9.00	DIRECTOR'S GOLD MEDAL
7.	182220007	PIYUSH ANANDA TIWARI	ECE	8.84	INSTITUTE SILVER MEDAL
8.	182221009	SONAR SANKET MUKUND	ECE (VLSI)	9.47	DIRECTOR'S GOLD MEDAL
9.	182221010	SNEHA BHARTI	ECE (VLSI)	9.04	INSTITUTE SILVER MEDAL
10.	182231002	AMMU SUSAN KURIAN	EEE (PED)	9.48	DIRECTOR'S GOLD MEDAL

### 30. Scholarship/ Assistance ship:

The students of this institute are awarded various types of scholarships from different schemes of Central Govt., State Governments, Charitable Trusts/ Organizations. Following are the details of these schemes:

S. No.	Name of the Scholarship	Name of the State/ Jurisdiction	Number of students received scholarship of our Institute
1.	Central Sector Scholarship of Top Class Education for SC Students (Ministry of Social Justice & Empowerment)	All India	20
2.	Post Matric Scholarship for Students with Disabilities	All India	01
3.	Scholarship for Top Class Education for Students with Disabilities	All India	01
4.	National Fellowship and Scholarship for higher education of ST students- Scholarship (Formally Top Class Education for Schedule Tribe Students) Ministry of Tribal Affairs	All India	11
5.	Prime Minister's Scholarship Scheme for Ministry of Railways	All India	01



6.	Ishan Uday Special Scholarship Scheme for NER.	All India	01
7.	Merit-Cum-Means Scholarship for Professional and Technical Courses CS	All India	03
8.	Central Sector Scheme of Scholarships for College and University Students	All India	05
9.	Prime Minister's Scholarship Scheme for Central Armed Police Forces and Assam Rifles	All India	02
10.	Financial Assistance for Education to the wards of Beedi/Cine/IOMC/LSDM-Post Matric (Ministry of Labour & Employment)	All India	01
11.	Rajasthan Police Benevolent Fund (RPBF)	Rajasthan	02
12.	Prime Minister Scholarship Scheme	All India	02
13.	Delhi Police Education Fund (DPEF)	Delhi	02
14.	CRPF welfare merit scholarship	All India	01
15.	Bihar Student Credit Card Scheme	Bihar	02





## TRAINING AND PLACEMENT ACTIVITIES

Eligible students have been placed in various organizations through Training & Placement cell of the Institute.

### Percentage of Placed Students (Programme Wise) for year (2020-2021):

Programme	Placed	Eligible	Placement Percentage	Number of Offers	No. of Offers in percentage
<b>B.Tech</b>	96	108	88.88	151	157.29
<b>M.Tech</b>	2	39	5.1282	2	100

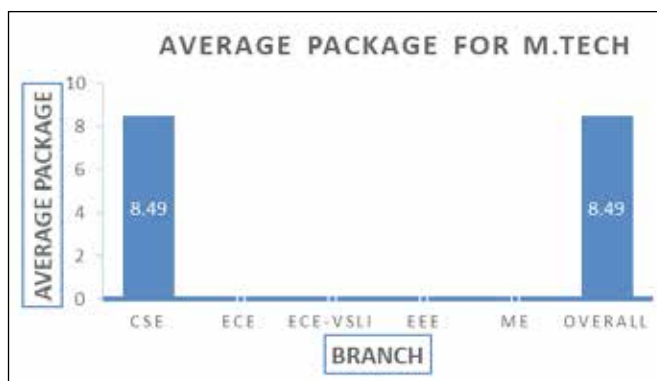
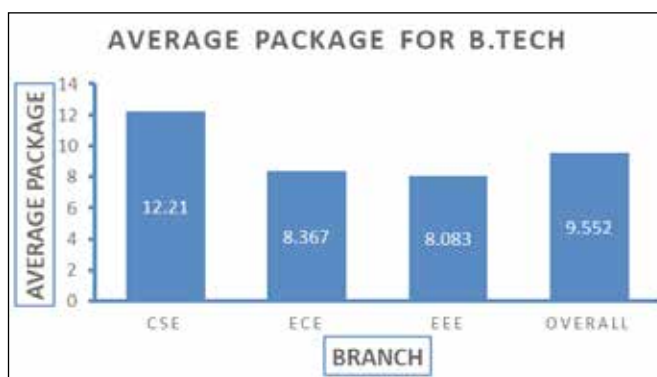
### No. of Students gets more than one offers:

No. of Offers	No. of Students
2	30
3	11
4	01

### Average CTC in Lakhs for Batch (2017-2021):

Programme	Branch	Average Package	Programme	Branch	Average Package
<b>B. Tech</b>	CSE	12.21	<b>M. Tech</b>	CSE(Analytics)	8.49
<b>B. Tech</b>	ECE	8.367	<b>M. Tech</b>	ECE	-
<b>B. Tech</b>	EEE	8.083	<b>M. Tech</b>	ECE-VSLI	-
<b>B. Tech</b>	<b>Overall</b>	9.552	<b>M. Tech</b>	EEE	-
				ME	-
				<b>Overall</b>	8.49

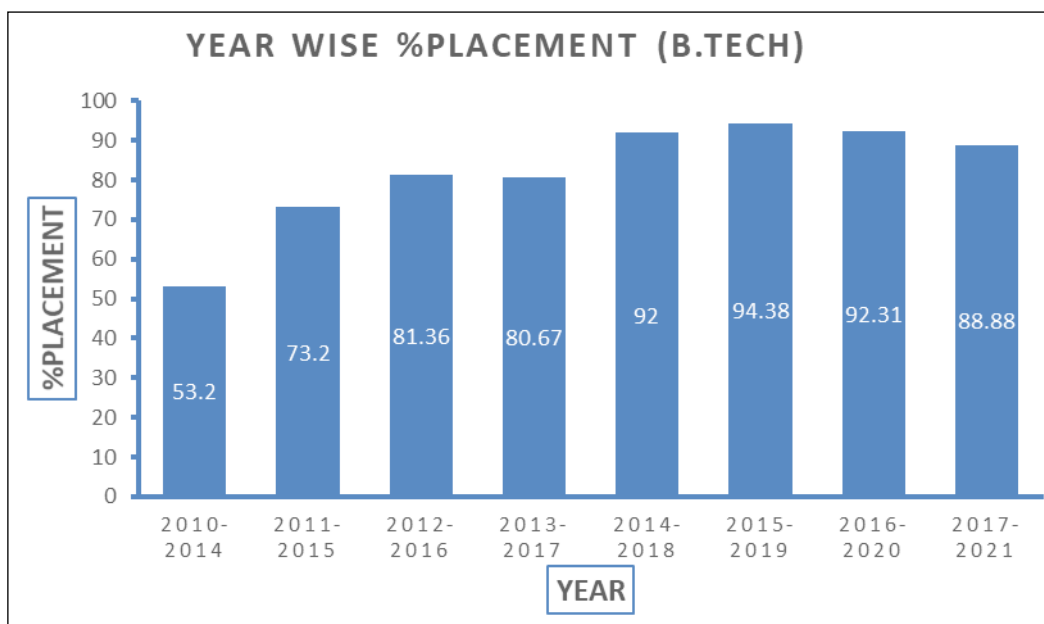
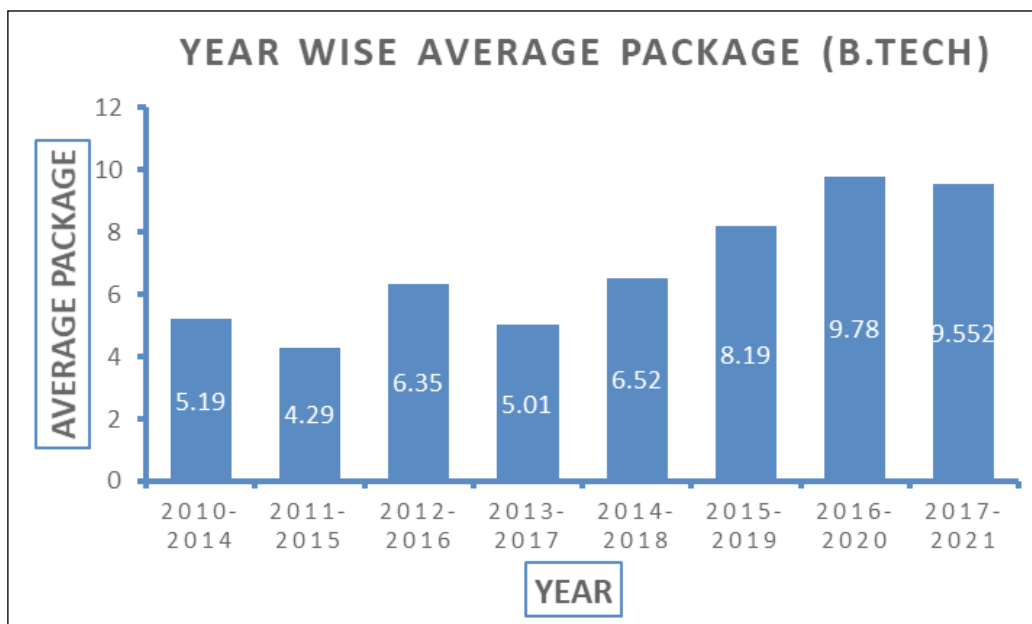
### Placement Statistics:





### Year Wise Comparison:

Batch	2010-2014	2011-2015	2012-2016	2013-2017	2014-2018	2015-2019	2016-2020	2017-2021
Average Package	5.19	4.29	6.35	5.01	6.52	8.19	9.78	9.552
No. of offers	46	67	80	149	150	104	97	153
No. of offers above & equal 6 LPA	11	5	31	56	53	88	82	137
No. of companies visited	17	19	29	31	30	33	29	39
% placement	53.2	73.2	81.36	80.67	92	94.38	92.31	88.88





## STUDENT ACTIVITIES

### NAME AND DETAILS OF STUDENT CLUBS:

NAME OF THE CLUB	POST	SELECTED STUDENTS
SPORTS CLUB (Chairman: Dr. Amit Mahajan, Coordinator: Dr. Anidev Singh)	General Secretary (Boys)	Maayank Saraswat , EEE 4 <sup>th</sup> Year,
	General Secretary (Girls)	Yashvi Goyal, ECE 4 <sup>th</sup> Year
	Dy. General Secretary	Japman Singh Monga, CSE 3 <sup>rd</sup> Year
		Nitya EEE 3 <sup>rd</sup> Year
	Executive Members	Bikramjit Singh EEE 3 <sup>rd</sup> Yeara
		Vinay Choudhary, CSE 2 <sup>nd</sup> Year
		Devyani Singh, EEE 2 <sup>nd</sup> Year
		Jeremy Joseph Abraham, CSE 2 <sup>nd</sup> Year
		Sagar Kumar Sahoo , ECE 2 <sup>nd</sup> Year
		Garima Singh, CSE 2 <sup>nd</sup> Year
CULTURAL CLUB (Chairman: Dean Student welfare, Coordinator: Dr. Shelly Sachdeva)	General Secretary	Joel Jacob Thomas, ECE 4 <sup>th</sup> Year
	Dy. General Secretary	Vishal Nagargoje. CSE 3 <sup>rd</sup> Year
		Nikita Uikey, CSE 3 <sup>rd</sup> Year
	Executive Members	Eslavath Karthik Naik, EEE 3 <sup>rd</sup> Year
		Vaibhav Verma, CSE 2 <sup>nd</sup> Year
		Promod Kumar Verma, EEE 3 <sup>rd</sup> Year
		Yash Chaudhary, CSE 3 <sup>rd</sup> Year
		Mehul Goel, EEE 2 <sup>nd</sup> Year
		Vinay, CSE 2 <sup>nd</sup> Year
		Amrit Raj, CSE 3 <sup>rd</sup> Year
		Ritik Mendiratta, CSE 2 <sup>nd</sup> Year
		Saurabh Kumar, EEE 2 <sup>nd</sup> Year
		Garvit Khurana, CSE 2 <sup>nd</sup> Year
PHOTOGRAPHY CLUB (Chairman: Dean Student welfare, Coordinator: Dr. Anshul Agarwal)	General Secretary	Joel Jacob Thomas, ECE 4 <sup>th</sup> Year
	Dy. General Secretary	Vishal Nagargoje. CSE 3 <sup>rd</sup> Year
		Nikita Uikey, CSE 3 <sup>rd</sup> Year
	Executive Members	Eslavath Karthik Naik, EEE 3 <sup>rd</sup> Year
		Vaibhav Verma, CSE 2 <sup>nd</sup> Year
		Promod Kumar Verma, EEE 3 <sup>rd</sup> Year
		Yash Chaudhary, CSE 3 <sup>rd</sup> Year
		Mehul Goel, EEE 2 <sup>nd</sup> Year
		Vinay, CSE 2 <sup>nd</sup> Year
		Amrit Raj, CSE 3 <sup>rd</sup> Year



		Ritik Mendiratta, CSE 2 <sup>nd</sup> Year
		Saurabh Kumar, EEE 2 <sup>nd</sup> Year
		Garvit Khurana, CSE 2 <sup>nd</sup> Year
ARTS CLUB Chairman: Dr. Anuj Kumar Sharma Coordinator: Dr. Abhishek Mishra		
LITERATURE CLUB	General Secretary	Srijan Gupta, CSE 4 <sup>th</sup> Year
	Dy. General Secretary	Shauraya Anand, ECE 3 <sup>rd</sup> Year
		Bhavishya Yaduvanshi, ECE 3 <sup>rd</sup> Year
	Executive Members	Abhinav Dhar, ECE 3 <sup>rd</sup> Year
		Thakur Aditya Singh, EEE 2 <sup>nd</sup> Year
		Vertika Chaudhary, EEE 2 <sup>nd</sup> Year
		Ajeya Sharma, EEE 2 <sup>nd</sup> Year
		Sakshi Garg, CSE 2 <sup>nd</sup> Year
		Vinay, CSE 2 <sup>nd</sup> Year
		Anant Atray, ECE 2 <sup>nd</sup> Year
		Sarmad Kaif, EEE 2 <sup>nd</sup> Year
		Arpit Goyal, CSE 2 <sup>nd</sup> Year
TECHNICAL CLUB		
	General Secretary	Aditya Kumar Sharma, EEE, 4 <sup>th</sup> year
	Dy. General Secretary	Saksham Mittal, , CSE, 3 <sup>rd</sup> Year
	Executive Members	Navneet Singh, CSE, 2 <sup>nd</sup> Year
		Animesh, EEE, 4 <sup>th</sup> year
		Jatin Kumar, ECE, 4 <sup>th</sup> year
		Rishikesh Anand, CSE, 3 <sup>rd</sup> year
		Seemant Shekhar, CSE, 3 <sup>rd</sup> year
		Ayush Mahajan, CSE, 3 <sup>rd</sup> year
		Ritik Mehndiratta, CSE, 2 <sup>nd</sup> Year
		Prem Kumar, CSE, 2 <sup>nd</sup> Year
		Abhishek Kumar Suman, CSE, 3 <sup>rd</sup> year
		Aarushi Jain, EEE, 2 <sup>nd</sup> year
		Rahul Sinha, ECE, 3 <sup>rd</sup> Year
		Tripti Kumari, ECE, 3 <sup>rd</sup> Year
		Abhay Pratap Singh, EEE, 3 <sup>rd</sup> year
		Rajput Shivam, ECE 2 <sup>nd</sup> Year
		Apoorv Kautilya, EEE, 2 <sup>nd</sup> year
		Mehul Goel, EEE, 2 <sup>nd</sup> year
		Suyash Agarwal, EEE, 2 <sup>nd</sup> year
		Udit Singla, CSE, 2 <sup>nd</sup> Year
		Aswin Chowdary, ECE, 3 <sup>rd</sup> year

**(B)** Fests and other major activities: Due to Covid 19 NIT Delhi did not organize any Fests and Events.

## SPORTS ACTIVITIES



### Introduction:

Sports and Games are an integral part in the life of a student. A student should study hard to be successful in competitive examinations. But s/he should also play games and sports to enjoy the health and vigor of life. A healthy nation is always a wealthy nation. Therefore, it is necessary to put emphasis on sports. One can think of a healthy mind only in a healthy body. Both physical and mental well-being are the prerequisites of great achievements in life. Studies have shown that exercise increases blood flow to the brain and helps the body build more connections between nerves, leading to increased concentration, enhanced memory, stimulated creativity, and better-developed problem solving skills. In short, playing sports helps your brain grow and makes it work better.

**An open gym has been installed in the campus to keep students physically fit and healthy.**

Facilities:	
<b>The Outdoor Games Facilities:</b> <ul style="list-style-type: none"> <li>• Basketball (One Court with flood lights)</li> <li>• Cricket Cemented pitch with Nets (With flood lights)</li> <li>• Football (Mini Ground with Flood lights)</li> <li>• Kabaddi Court</li> <li>• Volleyball (One court with flood lights)</li> <li>• Badminton (Outdoor court with Flood Light)</li> <li>• Outdoor open gym</li> </ul>	<b>The Indoor Games provides the following facilities:</b> <ul style="list-style-type: none"> <li>• Chess</li> <li>• Caroms</li> <li>• Table Tennis</li> <li>• Indoor Gym in the Boys Hostel</li> </ul>

### Activities of the Section include:

- To motivate and encourage students to participate in sports & games to attain good physical state and health.
- To coordinate and monitor the sports and games activities for the students of the institute.
- To take theory as well as practical classes of all B.Tech 1<sup>st</sup> year students focusing on their well-being and health.



- To supervise and monitor regular sports practice for the institute's teams in various sports.
- To arrange and purchase playing equipment/goods for students required for their recreation/play purpose.
- To take measures for most effective utilization of the existing sports facilities.
- Maintenance of play grounds and courts.
- To enable student to participate in various inter NIT's and other sports festivals/tournaments and making all necessary arrangements (such as transportation, sports 'kits etc.) in a timely manner.
- To conduct annual sports fest **ZEAL** and other sports activities for students.
- To coordinate with IITs, NITs and IIITs and other higher learning institutions for organizing activities.
- To maintain the sports infrastructure and the available facilities.

### Sports Initiatives at NIT Delhi:

- To keep the engineering students physically fit, the physical education and sports is introduced as a compulsory subject in form of Extra Academic Activities for the engineering students in the 1st & 2nd Semester of B. Tech with One Credit each.
- As a part of this, Yoga and athletics have been introduced for the students.
- Athletics helps the students to be physically fit, while on the other hand yoga not only enriches their physical health but also helps the students maintain their mental health. Yoga and athletics together help in the overall development of an individual. Hence, with the view of laying emphasis on health and fitness, regular practice sessions of yoga and athletics are conducted by professional coaches in the college premises after the college hours.

### Events Organized by the Sports Section:

- **International Day of Yoga-21<sup>st</sup> June 2020**

As a part of world-wide observation of International Day of Yoga, NIT Delhi celebrates International day of Yoga every year on 21<sup>st</sup> of June in the institute premises. The goal behind the organization of the event was to spread the message of peace, harmony, happiness. The event is attended with full enthusiasm by faculty, staff and students.

- **ORIENTATION PROGRAMME FOR B.TECH 1st year**
- **INTRA-TOURNAMENT**

Sports section organized a FITFLEX tournament in August 2020 to increase brotherhood, unity and to promote interaction among the students of various year and branches. Students participated with great enthusiasm.

Following are the results:-

S.No	SPORTS	WINNER		RUNNER - UP	
		Boy	Girl	Boy	Girl
1.	FITFLEX	Harshit Verma	Tripti Kumari	Sagar Kumar	Sadhna

- **ANNUAL FITNESS ASSESSMENT**


Annual Fitness assessment of B. Tech First Year Students comprising of various fitness components such as Speed, Endurance, Strength, Flexibility and agility was conducted in December 2020 to assess the student's fitness level and to motivate them to lead a healthy life.

- To spread and counsel students to stay mentally and physically fit during COVID-19 pandemic.
- To guide and help students in maintaining a healthy life style and healthy habits during COVID-19 pandemic by sharing information via electronic modes.
- Online classes of B. Tech First year students for the course code EAP 101 & EAP-102.



## Picture Gallery






राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली  
National Institute of Technology Delhi  
(An autonomous Institute under the aegis of Ministry of HRD, Govt. of India)


# INTERNATIONAL DAY OF YOGA 2020

## GharGharMeYog

21<sup>st</sup> June, 2020




**Staying at home would keep you away from  
contagious Corona virus and Yoga would help  
keep you and your family in good health.**



June 21

# United Nations International Yoga Day

YO  
GA







### 6<sup>th</sup> International Day of Yoga (June 21, 2020):

The United Nations General Assembly declared June 21st as the International Day of Yoga on Dec 11, 2014. Addressing the UN General Assembly on 27 September 2014, the Prime Minister of India Mr. Narendra Modi had said: "Yoga is an invaluable gift of India's ancient tradition. It embodies unity of mind and body; thought and action; restraint and fulfilment; harmony between man and nature; a holistic approach to health and well-being. It is not about exercise but to discover the sense of oneness with yourself, the world and the nature. By changing our lifestyle and creating consciousness, it can help us deal with climate change. Let us work towards adopting an International Yoga Day." On Dec 11, India's Permanent Representative introduced the draft resolution in UNGA. The draft text received broad support from 177 Member States, including USA, and the draft text was adopted without a vote. Hence, June 21, 2015 is the first International Day of Yoga. Government of India celebrated IDY 2015 in all the countries around the world.

Head of the Institution :

**Professor Praveen Kumar, Director, NIT Delhi.**

Email: [director@nitdelhi.ac.in](mailto:director@nitdelhi.ac.in)

Ph: +911133861000-1001

Institute Yoga Coordinator :

**Dr. Anidev Singh**

**Students Activity & Sports Officer**

National Institute of Technology Delhi.

Ph: +91-11-33861070(O)

Email: [saso@nitdelhi.ac.in](mailto:saso@nitdelhi.ac.in)

The theme of this year's International Day of Yoga is 'Ghar Ghar me Yog' which signifies the importance of staying at home and practicing Yoga with family while observing social distancing. Staying at home would keep you away from contagious Corona virus and Yoga would help keep you and your family in good health.

The corona crisis has offered an opportunity for the people to explore the true benefits of yoga this year. The **prime Minister** in his 65th Mann ki Baath program on 31st may 2020 said that "Yoga has assumed importance across the world and people who were not aware of it have also started learning it. During the corona crisis, people in Hollywood to Haridwar have become conscious of the benefits of Yoga. Sitting at their homes, people are learning about Yoga". Yoga is good for community, immunity and unity. He further added that in times of corona crisis, its importance has increased as Yoga is mainly about strengthening the respiratory and immune system.

**Honorable Minister of HRD Dr. Ramesh Pokhriyal 'Nishank'** writes: Yoga is not a religion. It is a science of wellbeing, youthfulness and seamless integration of mind, body and soul. It reflects harmony and peace for humanity, which is the message of Yoga to the world. It is the journey of the self, to the self and through the self.

Unlike the previous year's this year the IDY is being done in the confines of your home.

As part of worldwide observation of International day of Yoga, National Institute of Technology Delhi celebrated **6<sup>th</sup> International Day of Yoga** on **21<sup>st</sup> June, 2020**. The goal behind the organization of the event was to spread the message of peace, harmony, happiness and success to every soul in the world. It was a great opportunity to imbibe the value of discipline.

The **following assignments** were undertaken by the students to mark the celebration of

### International Day of Yoga 2020:

1. To perform any **asana/surya namaskar** and send a **2 minute video recording** of it.
2. To make a **poster** on the theme of **Ghar Ghar MeYog**.
3. The Students participated in **quiz and other competitions** being organized by **Ministry of AYUSH**. They also participated in the **online video contest** (My Life- My Yoga) conducted by CCRYN, **Ministry of AYUSH and ICCR**.

The **online event** on **21<sup>st</sup> June 2020 at 07:00 am** was attended by **Director NIT Delhi Professor Praveen Kumar, Registrar Shri Sushil Kumar, Faculty and staff members and students (with families)**. Dr. Anidev Singh, Students Activity & Sports Officer of the institute, supervised the event. The online streaming link was shared and everyone participated from their home along with their families and practiced yoga. They also learnt the different types of Yoga including Asanas, Meditation, Brahmari, Kapalbhathi and knowledge attainment, which can help individual in their holistic development and healthy lifestyle. The event's main emphasis was to encourage people to adopt yoga as a daily routine activity.



The session followed the protocol for International Yoga Day. It started with the prayer to enhance the benefits of practice followed by loosening practises or warming up exercises such as neck bending, neck rotation, trunk movement & twisting to name a few. The event proceeded with Yogasanas, which were divided into standing, sitting and lying (Prone/supine) postures.

### Other Yoga Activities at NIT Delhi

- Weekly Yoga Programme is constituted for all the students in the institute.
- Yoga Competition are organized for Students/ faculty and Non Faculty.
- The students participated in Yoga competitions and bagged 2<sup>nd</sup> place in both boys and girls section in October 2019.
- Yoga Talks & Demonstrations are conducted on a regular time period to increase the awareness and to motivate students to participate in large numbers.

### Picture Gallery



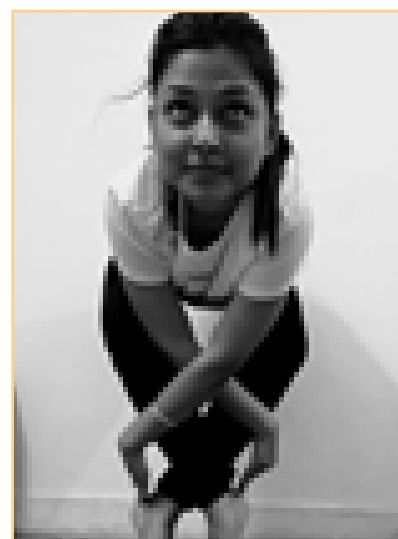
Honourable Director NIT Delhi Professor Praveen Kumar practicing Yoga at home



Pranayama practice  
by Professor Praveen  
Kumar Director NIT  
Delhi



Dr. Anidev Singh Sports Officer NIT Delhi  
doing Pranayama at home on 21st June  
2020



Students and staff of NIT Delhi  
practicing Yoga Asanas at  
their home on IDY 2020

## ARTS CLUB

### 1. SAPTARNG ( 21 Feb 2020 to 23 Feb 2020)

Day 2

(i).Kalachitra- pencil sketch competition

(ii). Best Outta Waste

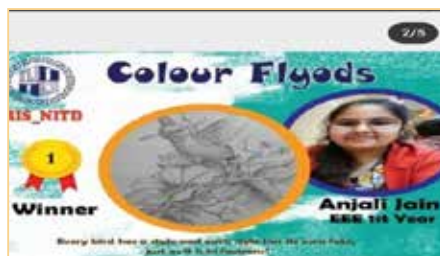
Day 3

(i). Fusion art- Mehnadi and tattoo competition

(ii). Face Canvas - face painting competition

### 2. Poster making competition on National Education day (9 November 2020)

### 3. Color Floyd's- (10 January 2021)- Intra college painting competition



## CLAIRVOYANCE PHOTOGRAPHY AND FILM CLUB

The club was involved in the following activities for the session 2020-21.

S.No.	Event	Date of Commencement
1	Introduction of Clubs	16th December, 2020
2	Fresher's Introduction Video	29th January, 2021

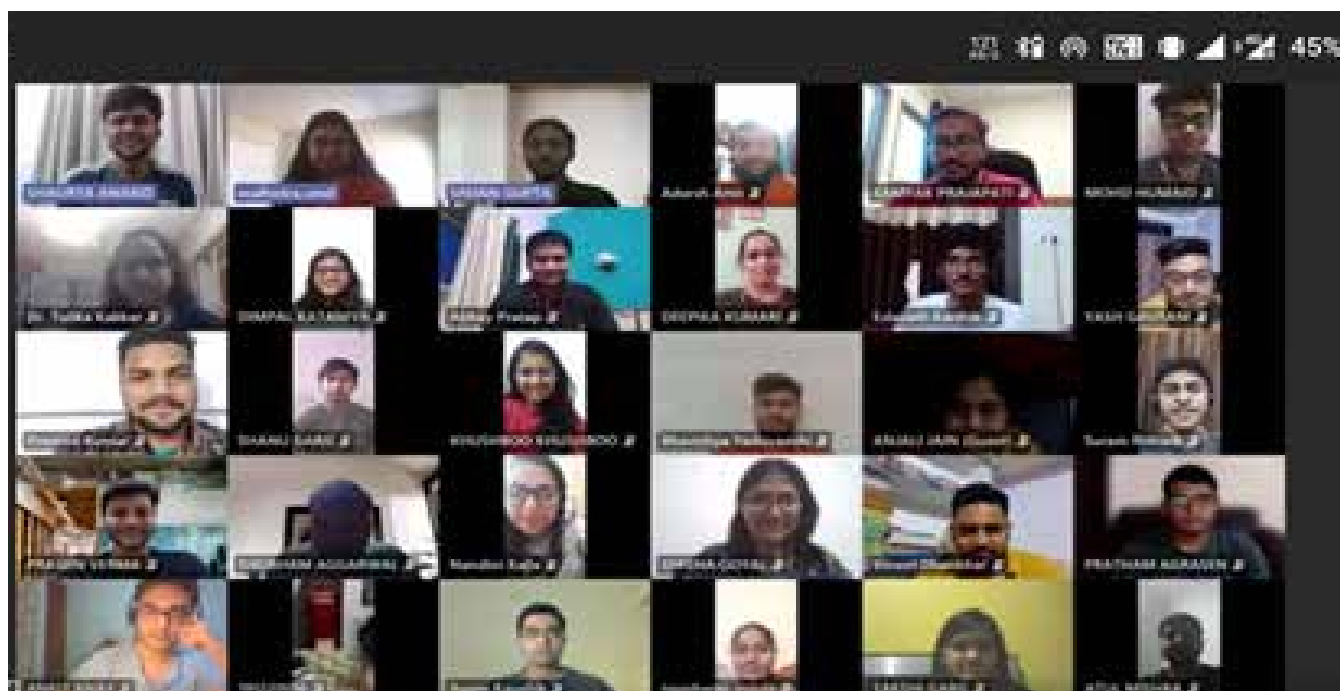


## LITERARY CLUB

The academic year 2020-21 came with challenges of its own. Functioning in the online mode, the objective was to keep the club active and elevate the engagement of the students. With adequate support from the institute, the Club was responsible for organizing various intriguing events, a thorough account of which is as written below:

### Event: Guest Webinar on 'Effective Communication: Do's and Don't's'

- Date: 31st March 2021
- Guest Speaker: Dr. Shiti Malhotra.
- Hosted by: Shaurya Anand It took place on
- Platform: Microsoft Teams
- Brief: Students from all years attended the session with utmost alacrity and enthusiasm. It turned out to be an extremely interactive and useful session for all the attendees.







## LIBRARY FACILITY

### TOTAL LIBRARY COLLECTION:

The NIT Delhi Library has a total collection of 14756 books (approximately 2150 titles) inclusive of 4712 books in Book Bank category. The collection includes textbooks, reference books and various competitive exams books etc. The library also have multimedia collection like CD's/DVD's/NPTEL Videos etc. (approximately 1192 CD's/DVD's). In addition, Library has around 207 Thesis and Dissertation, which are submitted by the PhD/M. Tech/B. Tech students of the Institute.

### BRIEF INFORMATION ABOUT THE CENTRAL LIBRARY:

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 activities of the Institute. The library was established in the year 2012 (June 2012) in Dwarka to facilitate the access to information resources to faculty and students of the Institute. It moved to its present location NILERD Campus, Narela on 18th February 2014. All the faculty members, students and staff of the Institute are entitled to access all the library facilities and services.

The Central Library have a rich collection of Books in the area of Science & Technology including Computer Science, Electrical & Electronics Engineering, Mechanical Engineering, Mathematics, Physics, Chemistry, Economics, and Management etc. Also, apart from this, the library has reference collection including dictionaries, handbooks, and research related books. The library also holds a good collection for general reading purpose including books on sports & yoga, novels, fictions, books for competitive exams like GATE/IES, magazines on general awareness, current affairs, and specialized subject magazines like AutoCar, Digit, and Electronics for you etc.

The Central Library follows 'Open Access System' along with Self Check-in/Check-out facility. Separate sections are arranged for the books under Text Books, Book Bank and Reference category for easy access to the users.

### INFORMATION TECHNOLOGY: AUTOMATED LIBRARY SYSTEM:

- The library is connected to the campus LAN and Wi-Fi facility. The library server works under Windows 8 environment.
- 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 Identifier) based Automation system and Circulation system (self Check-in/Check-out).
- The database of the entire library acquisitions is being updated on regular basis along with details of recently acquired books.
- The library has WebOPAC facility under which all the bibliographic details of the library collection can be accessed from Internet 24x7 on all week days by the users.
- The EAS/RFID Security Gates are installed at the library entrance to prevent Library resources from theft activities.
- The RFID smart cards (i.e., Institute ID cum Library Card) are also provided to all the students & faculty/staff members for the Institute.

### LIBRARY FACILITIES & SERVICES:

- **Library Membership Facility:** All students, faculty and staff members of the Institute are eligible for the membership of the Institute library for using its facilities and services offered for the purpose of their academic, research and administrative work. Use of library facilities and services implies acceptance of its rules and procedures.
- **Circulation Facility:** The Library provides circulation (Check-in/Check-out) service to all its members.
- **Book Bank Facility:** 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.



- **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.
- **Email Alert Service:** Library provided 'Email Alert Facility' during the year 2020-21. Through this facility library send alerts for the Check-In/Check-Out, overdue and other alerts to its members.
- **WebOPAC Facility:** The library has WebOPAC facility under which all the bibliographic details of the library collection can be accessed by the user from anywhere and anytime.
- **Current Awareness Service:** The library keeps its users updated about the current collection procured, resources subscribed or any other information/updates in the library on time-to-time basis.
- **Plagiarism Check facility:** The Library provides plagiarism check facility through to the students and faculty members of the Institute.
- **Photocopy Facility:** Users are asked to avail the photocopy service (on paid basis) for a specific piece of information. Copyright issues and Plagiarism is always taken care of by not allowing the excessive photocopy of a document.

#### E-LIBRARY RESOURCES & FACILITIES:

1. **E-Journals:** The Central Library subscribes E-Databases on annual subscription basis on the rates negotiated by ESS consortium which includes 6000+ journals, article, magazines, conference proceedings etc. The E-Databases subscribed for the year 2020 are as below:-
  - **On Self Subscription Basis:-**
    - i. Elsevier Science Direct
    - iii. EL Online (IEEE+IET)
  - **Through ESS Consortium under Centrally Funded Scheme: -**
    - i. ACM Digital Library
    - ii. Springer Link (1700+ Journals)
    - iii. Nature Journals (complimentary access)
    - iv. ASME (American Society of Mechanical Engineers)
2. **Remote Access Facility through INFED Platform:** Central Library has setup INFED (INFLIBNET Access Management Federation) platform of eShodhSindhu in the Institute during the year 2020. The INFED platform provides access to all the subscribed E-resources of the Institute from anywhere anytime **via remote Login Facility**. All the Research Students & Faculty Members have been successfully registered in INFED platform and the platform has benefited the entire research community of the Institute during Covid-19 Lockdown situation.
3. **URKUND (Plagiarism Detection Software):** The Central Library is getting access to Urkund Plagiarism Detection Software through eShodhSindhu under Centrally Funded Scheme of MHRD. The access of Urkund Software has been provided to all the faculty members of the Institute.
4. **NPTEL Videos:** The Library provides access to 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 of Education.
5. **Database of Previous Year Question Papers:** The Central Library has created a database for previous year question papers of NIT Delhi in LIBSYS Software (Library Management Software). Therefore, the Library members can easily access the previous year question papers of NIT Delhi through the Library WebOPAC.
6. **Google Drive of Previous Year Question Papers:** Central Library has created a Google Drive of previous year question papers of NIT Delhi so that the students may access the question papers for reference from anywhere/anytime.



7. **Registration of all Library Members in National Digital Library:** All the students and faculty/staff members have been registered in the NDLI portal (project under Ministry of Education). NDLI provides access to around 56,053,815 E-resources including lecture videos and notes of NPTEL/SWAYAM courses, presentations used by faculties in classes, online class lectures, questions/solutions of common subjects for students of all engineering discipline.
8. **Access of PhD Theses through Shodhganga Platform:** As per MoU with INFLIBNET, the Central Library has uploaded all the Ph.D. thesis of the Research scholars in the Shodhganga (A reservoir of Indian Thesis) Platform so that it may be available to the entire research/scholarly community in the open access.

#### OTHER IMPORTANT ACTIVITIES OF THE LIBRARY:

- **Library Advisory Committee:**

There is library advisory committee which consists of Chairperson and faculty members from each department including Assistant Librarian. The library committee meets from time to time to frame and upgrade the policies and to review the working conditions for smooth functioning of the library.

- **SC/ST Book Bank Cell:** A number of measures exist for helping students belonging to SC and ST categories. There is 'SC/ST Book Bank Cell' in the Institute that ensures the distribution of 'Book Bank' by the Library to SC/ST students (on preference basis) under which the textbooks/course books are issued to the students for the whole semester (i.e., 06 months) as per the prescribed schedule and time.
- **Library Orientation Programme for the Users:** The library conducted orientation programme for the library users on time-to-time basis whenever any new software/technology is introduced in the library. Orientation programmes are conducted for all the students, faculty and other staff members of the Institute for the maximum utilization of the varied library resources and services.

#### Picture Gallery:



Circulation Kiosk (Self Check-In/Check-Out)



WebOPAC Kiosk for Book Search



Reading Room Area



Book Bank



Student Checking Book at RFID Security Gate



Orientation/Training Programme

## HOSTEL FACILITY FOR STUDENTS

S. No	Name	Designation
1	Dr. Tirupathiraju Kanumuri	Dean SW
2	Dr. Anshul Agarwal	Chief Warden
3	Dr. Karan Verma	Deputy Chief Warden
4	Dr. Kapil Kumar	Resident Deputy Chief Warden
5	Dr. D.Vaithiyanathan	Warden ( SRHC Hostel)
6	Dr. Prashant Kumar	Warden ( Kundli Hostel)
7	Dr. Manisha Singh	Warden (Girls Hostel )
8	Mr. Rakesh Kumar Rai	Resident Warden ( SRHC Hostel)
9	Mr. Vikrant Kaushik	Resident Warden ( Kundli Hostel)
10	Mr. Rajeev Sharma	Junior Assistant

### Hostels:

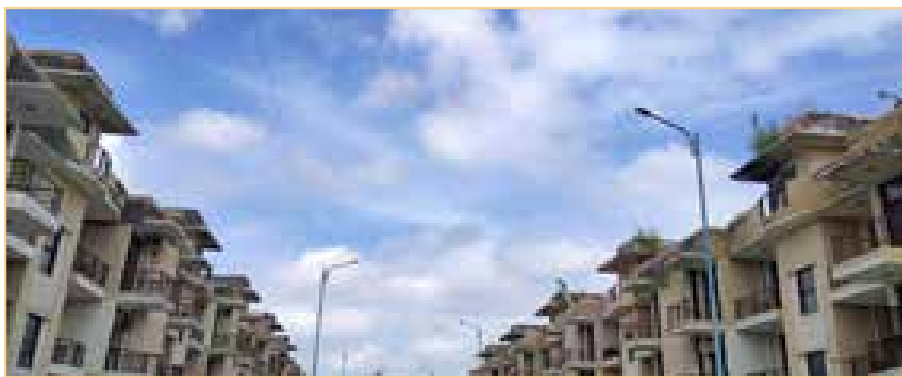
There are 02 boy's and 02 girl's hostels which are looked after by respective wardens. The hostel administration is as under:

Hostel should be a comfortable place to stay where the students can have the feeling of home. NIT Delhi has separate hostel facilities for around 316 boys and 90 girls. NIT Delhi has two boys' hostels and two girls' hostel with all the facilities for boarding and other recreational activities. The hostels have their own well- equipped mess along with night canteen to provide good and hygienic food to the students. Quality purified water is pro-vided to the students using RO systems. A separate TV room, indoor games room and reading room are provided in the Girls' and Boys' Hostel. Full time resident Wardens, and caretakers separately are available to take care of hostellers and to maintain the discipline under the supervision of a Chief Warden. 24 hours security service with guards and CCTV and power backup is provided for the hostel.

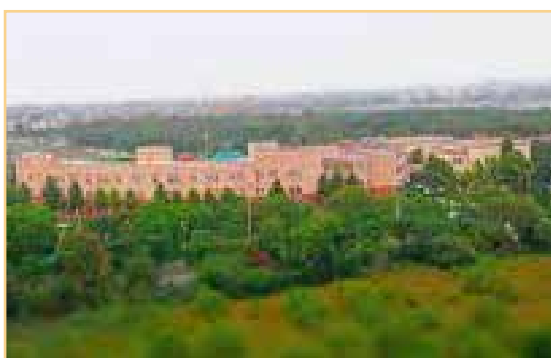
### Boys Hostel (02 Nos.)

- BH1- Satyawadi Raja Harish Chandra Hostel
- BH2- My Floor 2, Kundli





BH2- My Floor 2, Kundli



BH1-Satyawadi Raja Harish Chandra Hostel



Hostel Mess

### Girls Hostel (02 Nos.)

- GH1- U.G Girls Hostel, NIT Delhi
- GH2- P.G Girls Hostel, NIT Delhi

### Following are the other facilities provided in the hostels -

- Fully furnished and spacious rooms
- Free Wi-Fi and a computer room
- Visiting room
- Geezers and water coolers
- Playground for outdoor games
- First aid facility
- Institute vehicle is available 24 hours for medical emergency
- Washing machine facilities and Paid laundry service
- Cafeteria in the academic area as well as in the hostel premises
- Bus facilities from hostels to the Institute
- Availability of Electricians and Plumber
- Indoor Gym in both Boy's Hostel.



GH1- U.G Girls Hostel, NIT Delhi



GH2- P.G Girls Hostel, NIT Delhi



## FACULTY/STAFF MEMBERS AND ADMINISTRATION

Details of Faculty (Vacant and Filled in Position as on September 2021)																				
S. No.	Post Name	Pay Band with AGP as per 6th CPC or Pay Level as per 7th CPC	Sanctioned Strength					Filled Positions					Vacant Position							
			Total	UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS
1	Professor	PB-4 (37400–67000) with AGP of Rs. 10500 or Pay Level 14A (159100–220200)	3	3	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0
2	Associate Professor	PB-4 (37400–67000) with AGP of Rs. 9500 or Pay Level 13A2 (139600–211300)	6	5	0	0	1	0	2	2	0	0	0	0	4	3	0	0	1	0
3	Assistant Professor*	PB-3 (15600–39100) with AGP of Rs.6000/7000/8000 or Pay Level 10/11/12	41	19	6	3	10	3	32	17	6	1	8	0	9	2	0	2	2	3
Total			50	27	6	3	11	3	34	19	6	1	8	0	16	8	0	2	3	3

NOTE: \*60% post of Professor(s) and Associate Professor(s) are converted into the post of Assistant Professor(s) vide decision of the Board of Governors taken in its 22nd BOG Meeting (Agenda Item No. BOG/22/2019/14) and the same will be restored to the original number in future as & when sanctioned position for Faculty increases.

In the year 2020, the following vacant positions have been advertised and the same are under process:-

- (i) Assistant Professor – 05 (02 ST + 03 EWS)
- (ii) Associate Professor – 04
- (iii) Professor – 03



# Details of Non-Teaching Staff for the Period 01<sup>st</sup> April 2020 to 31<sup>st</sup> March 2021.

## (A). Posts Sanctioned & filled

Group A																				
S.No.	Post Name	Pay Band with GP as per 6th CPC or Pay Level as per 7th CPC	Sanctioned Strength						Filled Positions						Vacant Position					
			Total	UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS
1	Registrar	PB-4 (37400-67000) with GP of Rs.10000/- or Pay Level - 14 (144200-218200)	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
2	Executive Engineer	PB-3 (15600-39100) with GP of Rs. 5400/- or Pay Level - 10 (56100-177500)	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
3	Assistant Registrar	PB-3 (15600-39100) with GP of Rs. 5400/- or Pay Level - 10 (56100-177500)	2	2	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0
4	Assistant Librarian	PB-3 (15600-39100) with GP of Rs. 6000/- or Pay Level - 10 (57700-98200)	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
5	SAS Officer	PB-3 (15600-39100) with GP of Rs. 6000/- or Pay Level - 10 (57700-98200)	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0



6	Medical Officer	PB-3 (15600-39100) with GP of Rs. 5400/- or Pay Level -10 (56100-177500)	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Total			7	7	0	0	0	0	4	4	0	0	0	0	0	3	0	0	0	0	
Group B																					
S.No.	Post Name	Pay Band with GP as per 6th CPC or Pay Level as per 7th CPC	Sanctioned Strength					Filled Positions					Vacant Position								
			Total	UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS	
1	Technical Assistant	PB-2 with GP of Rs. 4200/- or Pay Level - 6 (35400-112400)	10	7	1	0	2	0	3	3	0	0	0	0	0	7	4	1	0	2	0
2	Junior Engineer	PB-2 with GP of Rs. 4200/- or Pay Level - 6 (35400-112400)	2	2	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0
3	Personal Assistant	PB-2 with GP of Rs. 4200/- or Pay Level - 6 (35400-112400)	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
4	Superintendent	PB-2 with GP of Rs. 4200/- or Pay Level - 6 (35400-112400)	4	4	0	0	0	0	1	1	0	0	0	0	0	3	3	0	0	0	0
Total			17	14	1	0	2	0	6	6	0	0	0	0	0	11	8	1	0	2	0



Group C																				
S.No.	Post Name	Pay Band with GP as per 6th CPC or Pay Level as per 7th CPC	Sanctioned Strength					Filled Positions					Vacant Position							
			Total	UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS
1	Assistant (SG II) / Sr. Stenographer	PB-1 with GP of Rs. 2800/- or Pay Level - 5 (29200-92300)	2	2	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0
2	Senior Assistant	PB-1 with GP of Rs. 2400/- or Pay Level - 4 (25500-81100)	3	3	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0
2	Junior Assistant	PB-1 with GP of Rs. 2000/- or Pay Level - 3 (21700-69100)	6	5	0	0	0	1	0	5	4	0	0	1	1	1	0	0	0	0
3	Technician	PB-1 with GP of Rs. 2000/- or Pay Level - 3 (21700-69100)	13	8	1	0	0	3	1	5	4	0	0	1	8	4	1	0	2	1
4	Office Attendant / Lab Attendant	PB-1 with GP of Rs. 1800/- or Pay Level - 1 (18000-56900)	7	5	1	0	0	1	0	3	3	0	0	0	4	2	1	0	1	0
Total			31	23	2	0	0	5	1	13	11	0	0	2	18	12	2	0	3	1
Total (A+B+C)			55	44	3	0	0	7	1	23	21	0	0	2	32	23	3	0	5	1



**(B). Administrative and Technical Staff:**

S. No.	Name of Employee	Designation	Department	Category
1	Sh. Sushil Kumar	Registrar	Administration	SC
2	Dr. Manisha Singh	Assistant Registrar	Administration	General
3	Dr. Gareema Sharma	Assistant Librarian	Central Library	General
4	Dr. Anidev Singh	SAS Officer	Students Activity & Sports	General
5	Sh. Kamal Kumar	Junior Engineer (C)	Office of Dean (P&D)	General
6	Sh. Harpreet Singh Nanda	Superintendent	Store & Purchase Section, Establishment, Accounts Section	General
7	Sh. Sumit Sharma	Technical Assistant	ERP Cell	General
8	Sh. R.V.Bhaskaran	Technical Assistant	Electrical & Electronics Engineering	SC
9	Sh. Surender Kumar	Technical Assistant	Electronics Communication & Engineering	General
10	Sh. Mukul Nakra	Junior Engineer (E)	Office of Dean (P&D)	General
11	Sh. Raushan Kumar	Technician	Computer Centre	OBC
12	Sh. Vikas Bhardwaj	Technician	Computer Science & Engineering	General
13	Sh. Krishan Pal	Technician	Mechanical Engineering	General
14	Sh. Neeraj Kumar	Junior Assistant	Establishment Section	General
15	Ms. Aditi Kandari	Junior Assistant	Central Library	General
16	Ms. Anupriya Das	Junior Assistant	Office of Applied Science & Humanities, T&P, Office of S/W , Chief Warden & Wardens	General
17	Sh. Jitender Singh Bisht	Junior Assistant	Director's Office	General
18	Ms. Navisha Sharma	Junior Assistant	Store & Purchase Section	OBC
19	Sh. Shubham Bhardwaj	Technician	Applied Sciences (Chemistry)	General
20	Sh. Aadesh Kumar	Technician	Applied Sciences (Physics)	General
21	Sh. Lov Kumar Dubey	Office Attendant	Office of CoE	SC
22	Sh. Udit Sharma	Office Attendant	Accounts Section	General
23	Sh. Bharat Singh	Office Attendant	Office of TnP	General



### Details of Faculty for the Period 01<sup>st</sup> April 2020 to 31<sup>st</sup> March 2021:

#### (A). Total Sanctioned intake of Faculty (category wise) (Gen, EWS, SC, ST, OBC, PwD, Total)

S. No.	Post Name	Pay Band with AGP as per 6th CPC or Pay Level as per 7th CPC	Sanctioned Strength						Filled Positions						Vacant Position					
			Total	UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS
1	Professor	PB-4 (37400-67000) with AGP of Rs. 10500 or Pay Level 14A (159100-220200)	3	3	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0
2	Associate Professor	PB-4 (37400-67000) with AGP of Rs. 9500 or Pay Level 13A2 (139600-211300)	6	5	0	0	1	0	2	0	0	0	0	0	4	3	0	0	1	0
3	Assistant Professor	PB-3 (15600-39100) with AGP of Rs.6000/7000/8000 or Pay Level 10/11/12	41	19	6	3	10	3	36	19	6	1	10	0	5	0	0	2	0	3
Total			50	27	6	3	11	3	38	21	6	1	10	0	12	6	0	2	1	3

#### (B). Faculty in Position (Category wise) Regular (Gen, EWS, SC, ST, OBC, PwD, Total):

Category	Gen	SC	ST	OBC	PwD	EWS	Total
Professor	-	-	-	-	-	-	-
Associate Professor	02	-	-	-	-	-	02
Assistant Professor*	14	03	-	01	-	-	18

Note: \* Assistant Professor at Pay Level 12 (Regular)

#### (C). Faculty in Position (Category wise) On Contract (Gen, EWS, SC, ST, OBC, PwD, Total):

Category	Gen	SC	ST	OBC	PwD	EWS	Total
Professor	-	-	-	-	-	-	-
Associate Professor	-	-	-	-	-	-	-
Assistant Professor*	05	03	01	09	-	-	18

Note: \* Assistant Professor at Pay Level 11 (on Contract at Regular Scale), and Pay Level 10 (on Contract at Regular Scale)



**(D). List of Faculty as on 31<sup>st</sup> March 2021 (Regular) (Name, Department, Designation):**

S.No.	Name	Designation	Department	Category
1.	Dr. Vivek Shrivastava	Associate Professor	Electrical & Electronics Engineering	General
2.	Dr. Shelly Sachdeva	Associate Professor	Computer Science & Engineering	General
3.	Dr. V.S.Pandey	Assistant Professor	Applied Sciences (Physics)	General
4.	Dr. Pankaj Mukhija	Assistant Professor	Electrical & Electronics Engineering	General
5.	Dr. Anshul Agarwal	Assistant Professor	Electrical & Electronics Engineering	General
6.	Dr. Gyanendra Sheoran	Assistant Professor	Applied Sciences (Physics)	General
7.	Dr. Amit Pratap Singh	Assistant Professor	Applied Sciences (Chemistry)	General
8.	Dr. Abhishek Mishra	Assistant Professor	Mechanical Engineering	General
9.	Dr. Anuj Kumar Sharma	Assistant Professor	Applied Sciences (Physics)	General
10.	Dr. Amit Mahajan	Assistant Professor	Applied Sciences (Mathematics)	General
11.	Dr. Anmol Ratna Saxena	Assistant Professor	Electrical & Electronics Engineering	General
12.	Dr. Anurag Singh	Assistant Professor	Computer Science & Engineering	General
13.	Dr. Rikmantra Basu	Assistant Professor	Electronics Communication & Engineering	General
14.	Dr. Rajiv Kumar Tripathi	Assistant Professor	Electronics Communication & Engineering	General
15.	Dr. Tirupathiraju Kanumuri	Assistant Professor	Electrical & Electronics Engineering	General
16.	Dr. Prashant Kumar	Assistant Professor	Applied Sciences (Mathematics)	General
17.	Dr. Harish Kumar	Assistant Professor	Mechanical Engineering	OBC
18.	Dr. Sushila Vikas Maheshkar	Assistant Professor	Computer Science & Engineering	SC
19.	Dr. Karan Verma	Assistant Professor	Computer Science & Engineering	SC
20.	Dr. Manisha Bharti	Assistant Professor	Electronics Communication & Engineering	SC

**(E) Faculty in Position as on 31<sup>st</sup> March 2021 (Category Wise) on Contract (Gen, EWS, SC, ST, OBC, PwD, Total):**

1.	Dr. Kapil Kumar	Assistant Professor (on contract)	Environmental Sciences	General
2.	Dr. Sachin Singh	Assistant Professor (on contract)	Electrical & Electronics Engineering	OBC
3.	Dr. Baljit Kaur	Assistant Professor (on contract)	Electronics Communication & Engineering	OBC
4.	Dr. D. Vaithyanathan	Assistant Professor (on contract)	Electronics Communication & Engineering	OBC
5.	Dr. Sandeep Kumar	Assistant Professor (on contract)	Electronics Communication & Engineering	SC
6.	Dr. Amit Kumar Singh	Assistant Professor (on contract)	Electrical & Electronics Engineering	OBC
7.	Dr. Sachin Agrawal	Assistant Professor (on contract)	Electronics Communication & Engineering	General



8.	Dr. Manoj Kumawat	Assistant Professor (on contract)	Electrical & Electronics Engineering	OBC
9.	Dr. Rishav Singh	Assistant Professor (on contract)	Computer Science & Engineering	General
10.	Dr. Leeladhar Nagdeve	Assistant Professor (on contract)	Mechanical Engineering	SC
11.	Dr. Chandra Prakash	Assistant Professor (on contract)	Computer Science & Engineering	ST
12.	Dr. Nitin Singh Singha	Assistant Professor (on contract)	Electronics Communication & Engineering	General
13.	Dr. Ashok Kumar Dewangan	Assistant Professor (on contract)	Mechanical Engineering	OBC
14.	Dr. Dharmendra Kumar Jhariya	Assistant Professor (on contract)	Electronics Communication & Engineering	SC
15.	Dr. Mahesh Kumar Singh	Assistant Professor (on contract)	Electronics Communication & Engineering	OBC
16.	Dr. Nitesh Ahir	Assistant Professor (on contract)	Civil Engineering	OBC
17.	Dr. Sonti Venu	Assistant Professor (on contract)	Electrical & Electronics Engineering	General
18.	Dr. Chandresh Kumar Maurya	Assistant Professor (on contract)	Computer Science & Engineering	OBC

**(F). Temporary and Guest Faculty as on 31<sup>st</sup> March 2021:**

1.	Dr. Seema Kharb	Temporary Faculty	Computer Science & Engineering	General
2.	Dr. Shruti Gupta	Temporary Faculty	Computer Science & Engineering	General
3.	Dr. Sonia	Temporary Faculty	Computer Science & Engineering	General
4.	Dr. Arti Gupta	Temporary Faculty	Humanities and Management (Management)	General
5.	Dr. Tulika Kakkar	Temporary Faculty	Humanities and Management (English)	General
6.	Dr. Sudeep Singh Sanga	Temporary Faculty	Applied Sciences (Mathematics)	General
7.	Dr. Ravi Kumar Arya	Temporary Faculty	Electronics Communication & Engineering	General

**(G). Members of the Board of Governors (2020-2021):**

Prof (Dr.) Satish Kumar Director In-charge NIT Delhi	Chairperson
Additional Secretary or Joint Secretary dealing with Technical Education, Department of Higher Education, Ministry of Education or his nominee	Member
Financial Advisor, Department of Higher Education, Ministry of Education or his nominee	Member
Professor M. Balakrishnan, Professor and Former Dy. Director, Strategy & Planning, IIT Delhi	Member
Prof. Vivek Kumar Professor, Centre Rural Development and Technology, IIT Delhi	Member
Dr. Vivek Shrivastava, Associate Professor, Department of Electrical and Electronics Engineering	Member
Sh. Sushil Kumar, Registrar, NIT Delhi	Secretary





#### (H) Members of the Finance Committee (2020-2021):

Prof (Dr.) Satish Kumar Director In-charge NIT Delhi	Chairperson
Joint Secretary dealing with National Institute of Technology or his nominee	Member
Financial Advisor, Department of Higher Education, Ministry of Education or his nominee	Member
Professor M. Balakrishnan, Professor and Former Dy. Director, Strategy & Planning, IIT Delhi	Member
Prof. Vivek Kumar Professor, Centre Rural Development and Technology, IIT Delhi	Member
Dr. Vivek Shrivastava, Associate Professor, Department of Electrical and Electronics Engineering	Member
Sh. Sushil Kumar, Registrar, NIT Delhi	Member Secretary

#### (I). Members of the Building & Works Committee:

Prof (Dr.) Satish Kumar Director In-charge NIT Delhi	EX-officio Chairman
One member nominated by the Central Government not below the rank of Director or Deputy Secretary	Member
Prof. NirendraDev Professor and Head of the Civil Engineering Department, Delhi Technological University, Delhi	Member
Dr. Gyanendra Sheoran Dean (Planning & Development) I/c	Member
Sh. Rajesh Kumar, Supt. Engineer (Civil), CPWD One expert each from Civil Engineering Wing of Central or State Government or any autonomous body of repute	Member
Sh. Vivek Gupta, Supt. Engineer (Electrical), CPWD One expert each from Electrical Engineering Wing of Central or State Government or any autonomous body of repute	Member
Sh. Sushil Kumar Registrar, NIT Delhi	Member Secretary

#### (J). Medical Facilities:

Following hospitals and diagnostic centres are empaneled with NIT Delhi to provide medical facilities to its employees and their family members:

S. No.	Hospital/ Diagnostic Centre
1.	Artemis Hospital, Gurugram
2.	Fortis Hospital, Shalimar Bagh, New Delhi
3.	Sri ganga Ram Hospital, New Delhi
4.	Sri Aggarsen Hospital, Sector 22, Rohini, New Delhi
5.	Ventakeshwar Hospital, Dwarka, Delhi
6.	Dr. Lal Path Labs
7.	Must & More Healthcare Pvt Ltd, Rohini, Delhi



## PLANNING & DEVELOPMENT AND ESTATE OFFICE

### Construction of MINI Campus:

#### Mini Campus Building:

The work of construction of Mini Campus was awarded by NBCC (India) Ltd. dated 23/11/2016. The current Physical and Financial progress is as under:

S.No.	Name of Work	Physical Progress	Financial Progress
1.	MINI CAMPUS BUILDING	95%	87%

#### Administrative Block Building:

The work of construction of Administrative Block was awarded by NBCC (India) Ltd. dated 07/04/2017. The current Physical and financial progress is as under:

S.No.	Name of Work	Physical Progress	Financial Progress
1.	ADMINISTRATIVE BLOCK BUILDING	97%	92%

#### Start-Up Centre Building:

The work of construction of StartUp Centre was awarded by NBCC (India) Ltd. dated 25/11/2016. The current Physical and Financial progress is as under:

S.No.	Name of Work	Physical Progress	Financial Progress
1.	START-UP CENTRE BUILDING	95%	94%

#### Construction of Playground:

The work of construction of Administrative Block was awarded by NBCC (India) Ltd. dated 23/11/2016. The current Physical and Financial progress is as under:

S.No.	Name of Work	Physical Progress	Financial Progress
1.	Playground	95%	86%

#### External Development Works:

The work of External Development was awarded by NBCC (India) Ltd. dated 13/12/2019. The current Physical and Financial progress is as under:

S.No.	Name of Work	Physical Progress	Financial Progress
1.	External Development Works	89%	71%



## ACADEMIC DEPARTMENTS

### DEPARTMENT OF APPLIED SCIENCES AND HUMANITIES & MANAGEMENT

#### List of Faculty (as on 31 March 2021):

S. No.	Name of Faculty	Designation	Highest Qualification
1	Dr. Prashant Kumar	Assistant Professor	Ph.D.
2	Dr. V S Pandey	Assistant Professor	Ph.D.
3	Dr. Amit Mahajan	Assistant Professor	Ph.D.
4	Dr. Amit Pratap Singh	Assistant Professor	Ph.D.
5	Dr. Gyanendra Sheoran	Assistant Professor	Ph.D.
6	Dr. Anuj Kumar Sharma	Assistant Professor	Ph.D.
7	Dr. Kapil Kumar	Assistant Professor	Ph.D.

#### Projects Completed/On Going/Sponsored Projects in 2020-2021:

S. No	Title	Start Date & Duration	Funding Agency	PI Name & CoPI (If any)	Project cost	Whether Ongoing or completed
1	Modeling and simulation of moored ship motion in Paradip port under the resonance conditions for multidirectional random waves	27 July 2017(3 years)	SERB-DST	Prashant Kumar	1802240	Completed
2	Influence of natural climate variability over Indian ocean wave climate accessed by re-analysis and CMIP5 model data	26 July 2018	MoES, Gov. of India	Prashant Kumar (PI), V S Pandey (CO-PI), VK Pandey (Co-PI)	31,26,000	On Going
3	Development of near infrared spectrometer for plant disease detection	01/04/2019 & 3 years	DST	Gyanendra Sheoran (PI) & Prof. Ajay K. Sharma (Co-PI)	9912855/-	On-going
4	Insitu digital holographic tomography for subsurface microstructure of artwork	01/04/2019 & 3 years	DST	Gyanendra Sheoran (PI) & Prof. Ajay K. Sharma (Co-PI)	8533905/-	On-going
5	Analysis and design of plasmon-based photonic devices utilizing enhanced light absorption in metallic nanostructure (Grant No. 03(1441)/18/EMR-II)	01/08/2018 (2 years)	CSIR	Anuj Kumar Sharma (Co-PI: None)	~15 Lacs	Completed
6	Investigations on surface plasmon resonance (SPR) based optical sensing with an emphasis on the role of spin waves and magnonics in related materials (Grant no: CRG/2019/002636)	27/12/2019 (3 years)	SERB	Anuj Kumar Sharma (Co-PI: Dr. Y. K. Prajapati, MNNIT Allahabad)	~21 Lacs	Ongoing



7	Investigation of extreme events in Indian summer monsoon rainfall and future projections of the Indian summer monsoon	Started Date: 09/03/2017, extended upto 08-09-2020, Period: 3 Years.	DST/CCP/ NCM /74/ 2017 (G), Department of Science and Technology	AS a Co-PI	50,79,040	Completed
8	Influence of Natural climate Variabilities over the extreme wave climate in Indian Ocean accessed by the re-analyses and CMIP5 model data	Started Date: 25.07.2018, Period: 3 Years.	MoES/36/ OOS/Extra/ 69/2018, Ministry of Earth Sciences, Government of India	As a Co-PI	31,26,000	Ongoing

#### Workshop/Expert Lecture/ Short Term Course/Conference/Seminar/Organized/ attended/ delivered in 2020-2021:

- 1<sup>st</sup> International Conference on Energy, Materials Sciences and Mechanical Engineering (EMSME-2020), at NIT Delhi, scheduled on 30<sup>th</sup> Oct. to 1<sup>st</sup> Nov. 2020 **(As an organizing Secretary)**.
- Faculty Development Program on Emerging trends in Electromechanical system and Renewable Energy, at NIT Delhi during 10<sup>th</sup> March-14<sup>th</sup> March 2021 **(As a Coordinator)**.
- High-End workshop on Solar Activities and their influences in the Heliosphere and Planetary atmospheres, organized by Department of Physics, NIT Calicut, 08-14 March, 2021 **(Chairperson for a lecture session)**.
- Invited talk** on the topic, "Linearly polarized transverse MHD waves and its possible role in coronal heating using classical transport coefficients" in High-End workshop on Solar Activities and their influences in the Heliosphere and Planetary atmospheres, organized by Department of Physics, NIT Calicut, 08-14 March, 2021.

#### Upgraded qualifications by faculty (if any)

Name of the faculty	date of joining	Highest qualification of the faculty	year of attaining the qualification	Present Designation.
Dr. Prashant Kumar	16-01-2015	PhD	2014	Assistant Professor

#### Any other Significant Achievement by the Department:

Guest-edited a special issue on "Fiber Optic Sensors with Plasmonic Nanostructures and Gratings: Applications and New Perspectives" for MDPI Sensors Journal (2020-21).

#### List of Research Publications in 2020-2021:

S. No.	Name of the Authors	Title of the Paper	Name of the Journal	Volume	Page number	Year
1	Amit Mahajan, Mahesh Kumar Sharma	Effects of Local Thermal Nonequilibrium on the Onset of Convection in a Magnetic Nanofluid Layer	Heat Transfer Research	51 (7)	689-705	2020
2	Amit Mahajan, Vinit Kumar Tripathi	Effect of nonlinear temperature and concentration profiles on the stability of a layer of fluid with chemical reaction	Canadian Journal of Physics	99(5)	367-377	2021



3	Amit Mahajan, Hemant Parashar	Effect of rotation on a layer of ferrofluid for a local thermal nonequilibrium model with a heat source: Weakly nonlinear analysis	Special Topics and Reviews in Porous Media	12(2)	25-49	2021
4	Mahesh Kumar Sharma, Amit Mahajan	Onset of convection in a magnetic nanofluid-saturated porous medium under local thermal non equilibrium conditions	Special Topics and Reviews in Porous Media	12(4)	59-77	2021
5	Amit Mahajan, Vinit Kumar Tripathi	Unconditional nonlinear stability for double-diffusive convection with temperature-and pressure-dependent viscosity	Heat Transfer - Asian Research	50 (2)	1523-1542	2021
6	Rupali, Prashant Kumar, Rajni	Spectral boundary element modeling of water waves in Pohang New Harbor and Paradip Port.	Ocean Engineering	196	106765	2020
7	Rupali, Prashant Kumar, Rajni	Spectral wave modeling of tsunami waves in Pohang New Harbor (South Korea) and Paradip Port (India).	Ocean Dynamics	70	1515-1530	2020
8	Rupali, Prashant Kumar	Mathematical modeling of arbitrary shaped harbor with permeable and impermeable breakwaters using hybrid finite element method	Ocean Engineering	221	108551	2021
9	Nishtha Agrawal, VK Pandey, Prashant Kumar	Numerical simulation of tropical cyclone Mora using regional Coupled Ocean-atmosphere model	Pure and Applied Geophysics	145	377-392	2021
10	Athira Krishnan Ambattu, PK Bhaskaran, Prashant Kumar	CMIP5 model performance of significant wave heights over the Indian Ocean using COWCLIP datasets	Theoretical and Applied Climatology	177	5507-5521	2020
11	N. Barak, V. Kumari, G. Sheoran	Automated extended depth of focus digital holographic microscopy using electrocally tunable lens	Journal of Optics	22	125602	2020
12	A. Ahmed, V. Kumari, G. Sheoran	Metasurface Structure for Tuning the Gain of a Metamaterial Vivaldi Antenna for Microwave Instrumentation	Measurement of Science & Technology	32	35901	2021
13	V. Kumari, N. Barak, G. Sheoran	Numerical four phase shifting microwave holography with phase shifting microwave holography with phase step error analysis	International journal of RF microwave CAD eng.	31	e22608	2021



14	A. K. Pandey and Anuj K. Sharma	Advancements in grating nanostructure based plasmonic sensors in last two decades: A Review	IEEE Sensors Journal	21 (11)	12633	2021
15	A. K. Pandey, Anuj K. Sharma, and C. Marques	On the application of stacked periodic tungsten grating nanostructure in wide-range plasmonic sensing and other photonic devices	Plasmonics	16	pp. 9 - 17	2021
16	Anuj K. Sharma and V. A. Popescu	Magnetic field sensor with truncated honeycomb photonic crystal fiber: Analysis under the variations in magnetic fluid composition and temperature for high performance in near infrared	Optical and Quantum Electronics	53	145	2021
17	V. A. Popescu, Anuj K. Sharma, and C. Marques	Resonant interaction between a core mode and two complementary supermodes in a honeycomb PCF reflector-based SPR sensor	Optik	227	166121	2021
18	Anuj K. Sharma and A. K. Pandey	Metal Oxide Grating based Plasmonic Refractive Index Sensor with Si layer in Optical Communication Band	IEEE Sensors Journal	20	pp. 1275-1282	2021
19	A. K. Pandey and Anuj K. Sharma	Schottky barrier photodetector utilizing tungsten grating nanostructure	Journal of Nanophotonics	14 (4)	46002	2020
20	Anuj K. Sharma, B. Kaur, and C. Marques	Simulation and analysis of 2D material/metal carbide based fiber optic SPR probe for ultrasensitive cortisol detection	Optik	218	164891	2020
21	A. K. Pandey, Anuj K. Sharma, and C. Marques	On the application of SiO <sub>2</sub> /SiC grating on Ag for high-performance fiber optic plasmonic sensing of cortisol concentration	MDPI Materials	13	pp 1-13	2020
22	Anuj K. Sharma, B. Kaur, and V. A. Popescu	On the role of different 2D materials/heterostructures in fiber-optic SPR humidity sensor in visible spectral region	Optical Materials	102	109824	2020
23	S. Gotra, G. Varshney, V. S. Pandey and R. S. Yaduvanshi	Super-Wideband Multi-Input-Multi-Output Dielectric Resonator Antenna	IET Microwave, Antennas and Propagation	Vol. 14, Issue 01	p. 21-27	2020



24	M. K. Nayak, J. Prakash, D. Tripathi, V. S. Pandey, S. Shaw and O.D. Makinde	3D Bio-convective multiple slip flow of chemically reactive Casson nanofluid with gyrotactic micro-organisms	Heat Transfer (Wiley)	Vol. 49, Issue 01	p. 135-153	2020
25	M. K. Nayak, V.S. Pandey, D. Tripathi, N.S. Akbar, O.D. Makinde	3D MHD Cross flow over an exponential stretching porous surface	Heat Transfer-Asian Research	Vol. 49, Issue03	p. 1256-1280	2020
26	R. Kumar, G. Varshney, R.S. Yaduvanshi, D. K. Dwivedi and V. S. Pandey	Dual band Dielectric Resonator Antenna with Multi-frequency circular polarization	IET Microwave, Antenna and Propagation	Vol. 14, Issue 5	p. 435-439,	2020
27	G. Varshney, , R. Singh , V. S. Pandey, and R. S. Yaduvanshi	Circularly Polarized Two-Port MIMO Dielectric Resonator Antenna	Progress In Electromagnetics Research M	Vol. 91	p.19-28	2020
28	A. Tanwar, A. K. Sharma, and V. S. Pandey	Fractional- Grasshopper Optimization Algorithm for the Sensor Activation Control in Wireless Sensor Networks	Wireless Personal Communications, Springer	Vol. 113	p. 399-422,	2020
29	M K Nayak, S. Shaw, M. I. Khan, and V. S. Pandey	Flow and Thermal analysis on Darcy-Forchheimer flow of copper-water nanofluid due to a rotating disk: A static and dynamic approach	Journal of Materials Research and Technology	Vol. 9(xx)	P. 7387-7408,	2020
30	N. Agrawal, V.K. Pandey, S. K. Mishra and V. S. Pandey	Modeling Seasonal Trends in Optimum Temperatures Over India	Journal of Water and Climate Change	in press	doi.org/10.2166/wcc.2020.072	2020
31	S. Gotra, R.Yadav and V. S. Pandey	A Beam Reconfigurable Graphene-based Yagi-Uda Antenna with Higher-order TM Mode Generation for THz Applications	Optical Engineering	Vol. 59 (11)	115103	2020
32	S. Gotra, V. S. Pandey and R. S. Yaduvanshi	A Wideband Graphene Coated Dielectric Resonator Antenna with Circular Polarization Generation Technique for THz Applications	Superlattices & Microstructures	Vol.150	106754	2021
33	G. Varshney, N. Rani, V. S. Pandey, R.S. Yaduvanshi and D. Singh	Graphite/graphene disk stack-based metal-free wideband THz absorber	Journal of the Optical Society of America B	Vol. 38 (2)	p. 530-538	2021
34	R. Yadav, V. S. Pandey and S. Kumar	A Pattern Reconfigurable Graphene-Based Yagi-Uda Antenna with TM <sub>01</sub> -Mode Generation for THz Applications	Journal of Materials Science: Materials in Electronics	Vol. 32	p. 5325-5338,	2021



35	S. Gotra, V. S. Pandey and B. Singh	Bandwidth Enhancement Technique of a Dual Band Circularly Polarized Dielectric Resonator Antenna	Indian Journal of Pure & Applied Physics	Vol. 59	p. 229-232,	2021
36	R. Yadav, S. Gotra, V.S. Pandey, and B. Singh	Hybrid Material-Based Dual-Band Yagi-Uda Antenna with Enhanced Gain for the Ku-Band Applications	In: Singh B., Coello Coello C.A., Jindal P., Verma P. (eds) Intelligent Computing and Communication Systems. Algorithms for Intelligent Systems. Springer, Singapore		p.77-85	2021
37	H. Kumar, R. Arora, P. K. Arora, V.S. Pandey, G. Moona, and D. Singh	Effect of nation-wide lockdown due to Covid-19 over industrial pollution in Delhi, India	Materials Today: Proceedings	-	<a href="https://doi.org/10.1016/j.matpr.2021.01.264">doi:10.1016/j.matpr.2021.01.264</a>	2021
38	M. K. Nayak, V.S.Pandey, S. Shaw, O. D. Makinde, K. M .Ramadan, M. B. Henda, and I. Tlili	Thermo-fluidic significance of non Newtonian fluid with hybrid nanostructures	Case Studies in Thermal Engineering	Vol. 26 (2021)	p. 101092	2021
39	V. Singh, V. S. Pandey and V. Shrivastava	A Wideband Star-shaped Rectenna for RF Energy Harvesting in GSM Band	Advances in Electromechanical Technologies. Lecture Notes in Mechanical Engineering. Springer, Singapore.	<a href="https://doi.org/10.1007/978-981-15-5463-6_15">doi.org/10.1007/978-981-15-5463-6_15</a>	<a href="https://doi.org/10.1007/978-981-15-5463-6_15">doi.org/10.1007/978-981-15-5463-6_15</a>	2020
40	S. Gotra, R. Yadav, V. S. Pandey and R. S. Yaduvanshi	Axial-ratio Tuning in Nano-Dielectric Resonator Antenna for Optical Band Applications	14th European Conference on Antennas and Propagation (EuCAP)	<a href="https://doi.org/10.23919/EuCAP48036.2020.9135505">doi: 10.23919/EuCAP48036.2020.9135505</a>	<a href="https://doi.org/10.23919/EuCAP48036.2020.9135505">doi: 10.23919/EuCAP48036.2020.9135505</a>	2020
41	Monu Kumar, Neha Gupta, Amit Pratap Singh	Malonyl-based chemosensors: Selective detection of Fe <sup>3+</sup> ion in aqueous media	Analytical Sciences	36	659	2020
42	Monu Kumar, Garima Chaudhary, Amit Pratap Singh	BODIPY-Hg <sup>2+</sup> complex: A fluorescence 'Turn-ON' sensor for cysteine detection	Analytical Sciences	37	283	2021
43	Chand, N., Suthar, S., Kumar, K., Tyagi, V. K	Enhanced removal of nutrients and coliforms from domestic wastewater in cattle dung biochar-packed Colocasia esculenta-based vertical subsurface flow constructed wetland.	Journal of Water Process Engineering	41	101994	2021





44	Johvan O. Hill-Dicka, Alexis Harmona, WeiCao, Kishor K. Sadasivunic, Mehran Elahia, Adetayo Adedeji, Hani E. Elsayed-Ali, Gymama Slaughter, Kapil Kumar, Mohammad Asadi, Bijandra Kumar	Nanocoral Ag for nonenzymatic glucose detection at extremely low operational potential	Materials Today Communications	27	102261	2021
45	Naval Kishore Singh, Kanchan Shahi, Kapil Kumar, SurindraSuthar	Enhanced vermicomposting of leaf litter by white-rot fungi pre-treatment and subsequent feeding by Eisenia fetida under a two-stage process	Bioresource Technology Reports	13	100609	2021
46	Naveen Chand, Kapil Kumar, Surindra Suthar	Enhanced wastewater nutrients removal in vertical subsurface flow constructed wetland: Effect of biochar addition and tidal flow operation	Chemosphere	28	131742	2021
47	Naveen Chand, Kapil Kumar, Surindra Suthar	Cattle dung biochar-packed vertical flow constructed wetland for nutrientremoval": Effect of intermittent aeration and wastewater COD/N loads on the removal process.	Journal of Water Process Engineering	xxx(xxxx)	102215	2021
48	Baleeswaraiah Muchharla, Praveen Malali, Brenna Daniel, Alireza Kondori, Mohammad Asadi, Wei Cao, Hani Elsayed-Ali, Mickaël Castro, Mehran Elahi, Adetayo Adedeji, Kishor Sadasivuni, Muni Raj Maurya, Kapil Kumar, Abdennaceur Karoui, Bijandra Kumar	Tri-molybdenum Phosphide (Mo3P) and Multi-Walled Carbon Nanotubes Junctions for Volatile Organic Compounds (VOCs) Detection	Applied Physics Letters	xxx	xxx	2021
49	Richa Kothari, Arya Pandey, Shamshad Ahmad, Har Mohan Singh, Vinayak V. Pathak, V. V. Tyagi, Kapil Kumar, Ahmet Sari	Utilization of Chlorella pyrenoidosa for Remediation of Common Effluent Treatment Plant Wastewater in Coupling with Co-relational Study: An Experimental Approach	Bulletin of Environmental Contamination and Toxicology	xxx	xxx	2021



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### List of Faculty (as on 31 March 2021):

S. No.	Name of the Faculty	Designation	Highest Qualification
1.	Dr. Shelly Sachdeva	Associate Professor	Ph. D
2.	Dr. Anurag Singh	Assistant Professor	Ph. D
3.	Dr. Sushila Maheshkar	Assistant Professor	Ph. D
4.	Dr. Karan Verma	Assistant Professor	Ph. D
5.	Dr. Rishav Singh	Assistant Professor	Ph. D
6.	Dr. Chandra Prakash	Assistant Professor	Ph. D

### Projects Completed/On Going/Sponsored Projects in 2020-2021:

S. No	Title	Start Date & Duration	Funding Agency	PI Name & CoPI (if any)	Project cost	Whether Ongoing or completed
1	A project in collaboration with DTU: Project Title: TRIP AID – Travel Risk Information in a Pandemic using Artificial Intelligence Development	Start Date: 08.01.2021 Project Duration: 1 year	DST (NCSTC Division)	PI : Dr. Rahul Katarya (DTU) Co-PI : Dr. Shelly Sachdeva (NITD)	12,51,000	Ongoing
2	Development of Dynamic Mathematical Modeling for COVID-19 Spread and Containment	July 2020&1 Year	SERB	Anurag Singh	5,50,000	Ongoing
3	Secure Healthcare surveillance using smart IoT devices	March 2019& 2 Years	(TEQIP-III) – NPIU	Tunisha Varshney, and Dr. Karan Verma	10 Lakhs	Ongoing
4	Border Surveillance system using wireless sensor networks	March 2019& 2 Years	(TEQIP-III) – NPIU	Mohit Sajwan, and Dr. Karan Verma	10 Lakhs	Ongoing

### Workshop/Expert Lecture/Short Term Course/Conference/Seminar/Organized/attended/delivered in 2020-2021:

#### Organized:

- Dr. Shelly Sachdeva** organised 8th International Conference on Big Data Analytics 2020 (15-18 Dec, 2020).
- Dr. Chandra Prakash** organized Webinar on COVID 19, Machine Learning and We, on 6 June 2020.

#### Attended:

- Dr. Chandra Prakash** attended Two week online FDP on Machine Learning for Computer Vision, 29-June to 08-July-2020, MNIT Jaipur.
- Dr. Chandra Prakash** attended One Week Online International Faculty Development Program on Recent Advances in Computer Science and Allied Domains (RACSAD – 2020) 8th-12th June, 2020.

#### Delivered:

- Dr. Shelly Sachdeva** delivered an expert Talk in one-week online Short Term Training Program on “Blockchain Technology and Its Applications in Internet of Things (BTIoT-2020)” from 07th December to 11th December 2020, conducted in virtual mode by the Department of Computer Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat.



2. **Dr. Shelly Sachdeva** was a speaker at the one-week online faculty development program (FDP) on blockchain technologies and applications (BCT-2020) organized by the department of computer science & engineering and information technology, Noida from Dec 28, 2020-Jan 2, 2021.
3. **Dr. Shelly Sachdeva** was a keynote speaker during 11th International Conference CONFLUENCE-2021, on the theme of "Cloud Computing, Data Science and Engineering" on 28-29th Jan 2021.
4. **Dr. Anurag Singh** presented paper on "Modeling the effect of Quarantine and Isolation for COVID-19 Spreading," in ICSISCET- 2020: Second International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology, Madhav Institute of Technology & Science Gwalior, India, December 18-19, 2020 (API-5)
5. **Dr. Anurag Singh** delivered a lecture on, "COVID 19 Spreading and its Containment", TEQIP-III Sponsored one week online Faculty development programme (FDP) on "Technology as a Bridge in Different of Life During Covid -19" from 19th to 23th October 2020 (API-5)
6. **Dr. Anurag Singh** delivered a lecture on, "COVID 19 Spreading", Second Faculty Development Programme On Innovations and Research Trends in Artificial Intelligence March 03-08, 2021, BanasthaliVidyapith, Rajasthan
7. **Dr. Karan Verma** FDP Delivering as Talk (TEQIP- III) in "Emerging Technologies in Engineering" at GWEC, Ajmer from 15 - 19 March 2021.
8. **Dr. Karan Verma** FDP Delivering as Talk (TEQIP- III) in "Application of AI & Machine learning" at RTU (ATU) from 02-06 Feb. 2021.
9. **Dr. Karan Verma** FDP Delivering as Talk AICTE- AQIS Sponsored Short Term Training Program (STTP) on Artificial Intelligence and 5G Communication Technology at Poornima University from December 7-12, 2020.
10. **Dr. Karan Verma** FDP Delivering as Talk (TEQIP- III) in "Technology as a Bridge in Different of Life During Covid -19" at B.T Kumaon Institute of Technology Dwarahat from 19th to 23th October 2020.
11. **Dr. Karan Verma** FDP Delivering as Talk (TEQIP- III) in "Blockchain and Its Applications" at GBPIET, Pauri, Uttarakhand from 20th to July 24th, 2020.
12. **Dr. Karan Verma** FDP Delivering as Talk (TEQIP- III) in "Online Expert Lecture Series" at IET Agra from 21th- 25th April, 2020.
13. **Dr. Karan Verma** Presenting Conference one papers on "Optical and Wireless Technologies 2020" at MNIT Jaipur during 16-17 Oct., 2020.
14. **Dr. Karan Verma** Presenting Conference one papers on "PCCDS 2020" at NIT kurukshetra during 01-03 May, 2020.
15. **Dr. Rishav Singh** delivered lecture at IIT-Indore, 1st Indian Workshop on Artificial Intelligence (iWAI) 2021, 25 March 2021
16. **Dr. Rishav Singh** delivered lecture at IIT-BHU, QIP short term course on Data Analytics and Predictive Technology driven IoT based Smart Grid Infrastructure, 1 March 2021
17. **Dr. Rishav Singh** delivered lecture at IIT-BHU, QIP short term course on IoT-enabled 5G Networks: Infrastructure and Security, 25 January, 2021
18. **Dr. Rishav Singh** delivered lecture at IIT-BHU, AICTE sponsored QIP short term course on IoT and Its Applications, 25 & 29 December 2020
19. **Dr. Rishav Singh** delivered lecture at IIT-BHU, QIP Online Short- Term Course on Data Analytics and Its Application to Industries, 16 December 2020
20. **Dr. Chandra Prakash** delivered Expert talk in the Workshop on Artificial Intelligence (iWAI) 2021, IIT Indore, 19-25 March 2021.
21. **Dr. Chandra Prakash** delivered talk in BSDU Jaipur Annual Hackathon on FOSS, 19 Feb 2021
22. **Dr. Chandra Prakash** delivered Expert talk in "AI in Health Dynamics: Conventional Medicare to Intelligent Healthcare" at KIIT, 22-23 Dec 2020



23. **Dr. Chandra Prakash** delivered Invited talk on "Convolutional Neural Network : Fundamental and Applications" in STP on Fundamentals of Machine Learning and Deep Learning" at Poornima College of Engineering, Jaipur, 09 Dec 2020.
24. **Dr. Chandra Prakash** delivered Expert talk in "Deep Reinforcement Learning and Applications" at LNCT Bhopal, sponsored by ATAL, AICTE, 05 Dec 2020.
25. **Dr. Chandra Prakash** delivered Expert talk on Deep Learning and Image Processing at Manipal University Jaipur, 27 October, 2020.
26. **Dr. Chandra Prakash** delivered Expert talk on Convolutional Neural Network and applications at Government Engineering College Jhalawar, 12 October 2020.
27. **Dr. Chandra Prakash** delivered Expert talk on "Deep Learning and Bitcoin Price Prediction" at LNCT Bhopal, 16 September 2020.
28. **Dr. Chandra Prakash** delivered Expert talk on "Introduction to Python Programming and Using Matplotlib" in FDP on Python Programming, at Department of Computer Engineering, Jamia Millia Islamia, New Delhi, 08 September 2020.
29. **Dr. Chandra Prakash** delivered Expert talk on "Introduction to Machine Learning and Applications" at ABESIT College of Engineering, Ghaziabad, Delhi, 05 September 2020.
30. **Dr. Chandra Prakash** delivered Expert talk on "Deep Reinforcement Learning" in Research Seminar, organised by MNIT Jaipur and IEEE Rajasthan Subsection, 22 August 2020.
31. **Dr. Chandra Prakash** delivered Invited talk on "Reinforcement Learning and Applications" in AICTE-AQIS sponsored STTP on "Machine Learning and Deep Learning: Research and Applications Perspectives Part -2", 18 August 2020.
32. **Dr. Chandra Prakash** delivered Expert Talk on "Reinforcement Learning : Learning the human way", in ACM SUMMER WORKSHOP-CUM-INTERNSHIP 2020, at IGDTUW, 01-July 2020.

#### Consultancy Services Completed/Ongoing:

S. No	Title	Year	Agency	Coordinator /Dept.	Consultancy cost
1.	Internet Academy	Dec. 2015	INDIAN-Brazil (ISOC)	Dr. Karan Verma and Prof. Leandro Melo de Sales	Lakhs

#### Any other Significant Achievement by the Department:

##### Conference

1. [ICACCS 2021] R. Katarya, Anjum, A. Gupta, S. Sachdeva, T. Dhamija, S. Gupta, A. Gupta, P. Kedia, V. Rai "A Review of Various Mathematical and Deep Learning based Forecasting Methods for COVID-19 Pandemic", 7th International Conference on Advanced Computing and Communication System, ICACCS 2021.
2. [ICCSDF 2021] Vartika Puri, Parmeet Kaur and Shelly Sachdeva, "Efficient Clustering of Transactional data using Ant-Colony Optimization for Privacy Preserving Publishing", International Conference on Cyber Security and Digital Forensics 2021
3. [BIBM 2020] Sachdeva, Shelly, Disha Batra, and Shivani Batra. "Storage Efficient Implementation of Standardized Electronic Health Records Data." In 2020 IEEE International Conference on Bioinformatics and Biomedicine (BIBM), pp. 2062-2065. IEEE, 2020.
4. [ICCCA 2020] Mishra, Ram Mohan, and Shelly Sachdeva. "Signature-Based Video Watermarking using SVD DTCWT." In 2020 IEEE 5th International Conference on Computing Communication and Automation (ICCCA), pp. 664-668. IEEE, 2020.
5. Rastogi, V., Srivastava, S., Prakash, C. and **Singh, R.**, 2020. Transfer Learning Based COVID-19 Patient Classification. In CVIP (1) (pp. 387-397).



### Book Chapter:

1. Hans, Sushma; **Sachdeva, Shelly**: 'Goal-oriented adaptive e-learning' (Computing, 2021), 'E-learning Methodologies: Fundamentals, technologies and applications', Chap. 2, pp. 27-52, DOI: 10.1049/PBPC040E\_ch2, IET Digital Library, [https://digital-library.theiet.org/content/books/10.1049/pbpc040e\\_ch2](https://digital-library.theiet.org/content/books/10.1049/pbpc040e_ch2)
2. S. Batra, and **S. Sachdeva**, "Pre-Processing Highly Sparse and Frequently Evolving Standardized Electronic Health Records for Mining", Rani, Geeta and Pradeep Kumar Tiwari. Handbook of Research on Disease Prediction Through Data Analytics and Machine Learning, pp 8-21, IGI Global, 2021. <http://doi:10.4018/978-1-7998-2742-9>
3. Gupta, Vagisha, **Shelly Sachdeva**, and NehaDohare. "Deep similarity learning for disease prediction." In Book Trends in Deep Learning Methodologies—Algorithms, Applications, and Systems, Chapter 8, pp 183-206, ISBN 978-0-12-8232682, Paperback ISBN: 9780128222263, Imprint: Academic Press, Elsevier, 2020. <https://www.elsevier.com/books/trends-in-deep-learning-methodologies/piuri/978-0-12-822226-3>
4. **Rishav Singh**, Tanveer Ahmed, Ritika Singh, ShrikantTiwari, Heart Rate Monitoring System using Internet of Things, IoT-Based Data Analytics for the Healthcare Industry. Academic Press, November 2020.
5. Tanveer Ahmed, **Rishavsingh**, RohitVerma, Designing an effective e-healthcare system using Internet of Things, IoT-Based Data Analytics for the Healthcare Industry. Academic Press, November 2020.

### List of Research Publications in 2020-2021:

S.No.	Name of the Authors	Title of the Paper	Name of the Journal	Volume	Page number	Year
1	Lakshita Aggarwal, Puneet Goswami, Shelly Sachdeva	Multi-criterion intelligent decision support system for COVID-19	Applied Soft Computing	101	107056	2021
2	Vagisha Gupta, Shelly Sachdeva, Subhash Bhalla	A Novel Deep Similarity Learning Approach to Electronic Health Records Data	IEEE Access	8	209278-209295	2020
3	Lokesh Jain, Rahul Katarya, Shelly Sachdeva	Recognition of opinion leaders coalitions in online social network using game theory	Knowledge-Based Systems	203	106158	2020
4	Vartika Puri, Parmeet Kaur, Shelly Sachdeva	Effective Removal of Privacy Breaches in Disassociated Transactional Datasets	Arabian Journal for Science and Engineering	45	3257-3272	2020
5	M. Arquam, A. Singh and H. Cherifi	Impact of Seasonal Conditions on Vector-Borne Epidemiological Dynamics	IEEE Access	8	94510-94525	2020
6	Arquam, Md, and Anurag Singh	Epidemic Spreading in Geometric Network with Mobile Agents	Acta Physica Polonica	51	1853	2020
7	Malik, Deepak, and Anurag Singh	Link prediction in multilayer networks	International Journal of Business Intelligence and Data Mining	16	490-505	2020
8	Agrawal, Rimjhim, Md. Arquam, and Anurag Singh	Community detection in Networks using Graph Embedding	Procedia Computer Science	173	372-381	2020
9	Eeti, Singh, Anurag	Effect of Influential Nodes on Time Varying Opinion Formation Models	Procedia Computer Science	173	120-129	2020



10	Singh, Nidhi, Anurag Singh, and Rajesh Sharma	Predicting Information Cascade on Twitter Using Random Walk	Procedia Computer Science	173	201-209	2020
11	Trivedi, Nitesh, and Anurag Singh	Efficient Influence Maximization in Social-Networks Under Independent Cascade Model	Procedia Computer Science	173	315-324	2020
12	Kumar, Rajesh, and Anurag Singh	Robustness in Multilayer Networks Under Strategic and Random Attacks.	Procedia Computer Science	173	94-103	2020
13	Arshpreet Kaur, Karan Verma, Amol P Bhondekar, Kumar Shashvat	Comparison of Classification models using Entropy based Features from Sub-bands of EEG	International Information and Engineering Technology Association (IIETA)	37(2)	279-289	2020
14	Aman Swaraj, Karan Verma, Arshpreet Kaur, Ghanshyam Singh, Ashok Kumar, Leandro Melo de Sales	Development of Hybrid Model for Predication of COVID-19 Cases in India, In Journal of Chaos,	Solitons & Fractals, Elsevier	Accepted	Accepted	2020
15	Prachi Maheshwari, Karan Verma, Ajay K Sharma	Game Theoretic Application for energy efficient Mobility Handling in WS	Transactions on Emerging Telecommunications Technologies (Wiley)	31(9)	e4052	2020
16	Prachi Maheshwari, Karan Verma, Ajay K Sharma	Energy efficient cluster based routing protocol for WSN using butterfly optimization algorithm and ant colony optimization	Ad Hoc Networks, Elsevier	110	Article 102317	2020
17	Pranay Ranjan, Karan Verma, Anilkumar Goudar, Ashok Kum	Performance Analysis of VANET Routing Protocols OLSR, AODV and DSDV Using Friis and Two Ray Ground Propagation Loss Model	International journal of Information Security and Privacy	Accepted	Accepted	2020
18	Rishav Singh, Tanveer Ahmed, Amit Kumar Singh, Prasenjit Chanak, Sanjay Kumar Singh	SeizSCLas: An Efficient and Secure Internet of Things Based EEG Classifier	IEEE Internet of Things Journal	8(8)	6214-6221	2020
19	Tanveer Ahmed, Rishav Singh, Anil K Pandey, Sanjay K Singh	A cognitive model to predict human interest in smart environments	Computer Communications	161	1-9	2020
20	Anshul Sharma, Sanjay Kumar Singh, Sandeep S Udmale, Amit Kumar Singh, Rishav Singh	Early transportation mode detection using smartphone sensing data	IEEE Sensors Journal	doi: 10.1109/JSEN.2020.3009312		2020
21	A Vijayvargiy, C Prakash, R Kumar, S Bansal	Human knee abnormality detection from imbalanced sEMG data	Biomedical Signal Processing and Control	66	40178	2021



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### List of Faculty (as on 31 March 2021):

S. No.	Name of Faculty	Designation	Highest Qualification
1	Dr. Anmol Ratna Saxena	Assistant Professor	Ph. D.
2	Dr. Vivek Shrivastava	Associate Professor	Ph.D.
3	Dr. Pankaj Mukhija	Assistant Professor	Ph. D.
4	Dr. Anshul Agarwal	Assistant Professor	Ph. D.
5	Dr. Tirupathiraju Kanumuri	Assistant Professor	Ph. D.
6	Dr.Amit Kumar Singh	Assistant Professor	Ph. D.
7	Dr. Sachin Singh	Assistant Professor	Ph. D.
8	Dr. Manoj Kumawat	Assistant Professor	Ph. D.
9	Dr. Venu Sonti	Assistant Professor	Ph. D.

### Projects Completed/On Going/Sponsored projects in 2020-2021:

S. No.	Title	Start Date & Duration	Funding Agency	PI Name & CoPI (if any)	Project cost	Whether Ongoing or completed
1	Higher-Order DC-DC Converters for Power Management of DC Nanogrid in Futuristic Smart Buildings	01/10/2016	SERB	Dr. Anmol Ratna Saxena	Rs. 46,97,100/-	Completed
2	Design and Development of Detection and Extinguishing Systems for Forest Fire using Sensor Networks, Aerial and Ground Robots	23.01.2018, 3 years	DST	PI: Dr. Paramita Guha (Scientist, CSIO) CoPI: Dr. Pankaj Mukhija and Mr. Kailash Chand (CSIO)	Rs. 29,68,000/-	Ongoing
3	Development of Non-contact type method for heart vibration parameters estimation	July 2019, 2 Years	DST DAAD	Dr. Sachin Singh	Rs. 245000/-	Ongoing
4	Cross layer optimization with QOS for NGN	20 <sup>th</sup> August, 2019	TEQIP-III	SANDIP VIJAY, Dr. Sachin Singh	Rs. 300000/-	Ongoing
5	Mitigation of Smart Home Challenges with Integration of Hybrid Renewable Energy Sources, Vehicle to Home (V2H): Mission 2022	July 2019	AICTE	Dr. Manoj Kumawat Mr. U. Raj, Dr. S. Saha, Dr. N. Jain, Dr. N. Meena,	Rs. 17.87 Lakhs	On-going
6	Fire Alarm System	Dec 2020-March 2020	Prasur Electricals & Engg. Co.	Dr. Manoj Kumawat, Department of Electrical & Electronics Engg.	Rs. 59,000.00/-	On-going





### Coordinator of Sponsored STC/FDP

S. No.	Name of the Faculty	Programme	Grant Amount Mobilized	Duration	Organized by
01	Dr. Manoj Kumawat, Dr. Anmol Ratna Saxena and Dr. Vivek Shrivastava	MeitY Sponsored STC	Rs. 1,55,000.00/-	19 <sup>th</sup> -23 <sup>rd</sup> Oct 2020	EEED, NIT Delhi
02	Dr. Manoj Kumawat Dr. Vivek Shrivastava	ATAL Sponsored FDP	Rs. 93,000.00/-	26 <sup>th</sup> -30 <sup>th</sup> Oct 2020	EEED, NIT Delhi
03	Dr. Manoj Kumawat Dr. Vivek Shrivastava	ATAL Sponsored FDP	Rs. 93,000.00/-	25 <sup>th</sup> -29 <sup>th</sup> Dec 2020	EEED, NIT Delhi
04	Dr. Manoj Kumawat, Dr. Vivek Shrivastava and Dr. Anshul Agarwal	ATAL Sponsored FDP	Rs. 93,000.00/-	19 <sup>th</sup> -23 <sup>rd</sup> July 2021	EEED, NIT Delhi
05	Dr. Anmol Ratna Saxena, Dr. Pankaj Mukhija and Dr. Anshul Aagarwal	Self-Sponsored	Rs. 60000/- (Approx)	01 <sup>st</sup> -05 <sup>th</sup> March 2021	EEED, NIT Delhi

### Workshop/Expert Lecture/ Short Term Course/Conference/Seminar/Organized/ attended/ delivered in 2020-2021:

1.	<b>Dr. Anmol Ratna Saxena</b> delivered talk on Power Electronics Interfaces for Solar PV and Fuel Cell Based Residential DC Nano-grids in TEQIP-III sponsored 5 days online Short-Term Course on <b>"Energy Application in Computer, Communication, Chemical and Electronics Engineering"</b> Duration: February 27-March 03 2021, Place: Centre for Energy Studies NIT Jalandhar jointly with Atal Bihari Vajpayee Government Institute of Engineering and Technology, Shimla (H.P.)
2.	<b>Dr. Anmol Ratna Saxena</b> delivered talk on Power Electronics Interfaces for Residential DC Nano-grids in Self-Financed one week online Short-Term Training Program (STTP) on <b>"Power Electronic Interfaces for Green Energy Systems"</b> Duration: February 01-February 05, 2021, Place: NIT Delhi
3.	<b>Dr. Anmol Ratna Saxena</b> delivered talk on IoT and Energy-Internet for Renewable Energy in ATAL AICTE sponsored one week online Short-Term Training Program (STTP) on <b>"IoT Application in Renewable Energy"</b> Duration: December 15-December 19, 2020, Place: LNCT, Bhopal (M.P.)
4.	<b>Dr. Anmol Ratna Saxena</b> delivered talk on Intelligent and Sustainable Smart Buildings/Nano-Grids in AQIS AICTE sponsored one week online Short-Term Training Program (STTP) on <b>"Application of Artificial Intelligence in Electrical and Electronics Engineering"</b> Duration: November 02-November 07 2020, Place: LNCT, Bhopal (M.P.)
5.	<b>Dr. Anmol Ratna Saxena</b> delivered talk on DC-DC Converters for Sustainable Residential DC Nano-grids in NaMPET Phase-III sponsored one week online Short-Term Course on <b>"Transition in Power Electronics towards Sustainable, Smart and Flexible Micro-Grids"</b> Duration: October 19-October 23, 2020, Place: NIT Delhi
6.	<b>Dr. Anmol Ratna Saxena</b> delivered talk on Recent Advances in <b>Power Electronics and its Applications in one week online short-term training program</b> . Duration: September 22-September 26, 2020, Place: Jabalpur Engineering College, Jabalpur (M.P.)
7.	<b>Dr. Anmol Ratna Saxena</b> delivered talk on Power Electronics Interfaces for Solar PV and Fuel Cell Based Residential DC Nano-grids in 3-days online Faculty Development Program on <b>"Emerging Trends in Sustainable Technologies"</b> . Duration: June 02-June 04, 2020, Place: OIST, Bhopal (M.P.)
8.	<b>Dr. Vivek Shrivastava</b> organized AICTE Training and Learning (ATAL) Academy Sponsored five days FDP on <b>"Integration of Alternate Energy Resources in Smart Grid"</b> from 25th December 2020 to 29th December 2020.
10.	<b>Dr. Vivek Shrivastava</b> served as <b>Chairman</b> for organizing 1st International Conference on Energy, Material Science and Mechanical Engineering (EMSME-2020) at NIT Delhi in November 2020.
11.	<b>Dr. Vivek Shrivastava</b> served as <b>Co-Chair</b> for a Technical Session for 1st International Conference on Energy, Material Science and Mechanical Engineering (EMSME-2020) at NIT Delhi in November 2020.





12.	<b>Dr. Vivek Shrivastava</b> served as <b>Chairman</b> for organizing Short-Term Training Programme on Power Electronics Interfaces for Green Energy Systems at NIT Delhi in Feb 2021.
13.	<b>Dr. Vivek Shrivastava</b> delivered an expert talk in TEQIP-III SPONSORED One Week FDP on <b>"Smart Grid Technologies and Its Applications"</b> jointly organized by Rajasthan Technical University, Kota and ARYA Institute of Engineering Technology and Management, Jaipur under TEQIP-III(ATU) on Feb 24, 2021.
14.	<b>Dr. Pankaj Mukhija</b> delivered talk on Networked Control Systems in TEQIP-III Sponsored One Week Online Faculty Development Program on <b>"Recent Trends in Electric Power &amp; Energy Systems-2020"</b> Duration: 14th-18th September 2020, Place: Department of Electrical Engineering, Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat (Haryana)-131039.
15.	<b>Dr. Anshul Agarwal</b> served as <b>Coordinator</b> in self-financed <b>"FDP on Emerging Trends in Electromechanical System and Renewable Energy"</b> , organized by Department of Mechanical Engineering, NIT Delhi during March 10-14, 2021.
16.	<b>Dr. Anshul Agarwal</b> served as <b>Coordinator</b> in self-financed <b>"STTP on Power Electronics Interfaces for Green Energy System"</b> , organized by Department of Electrical Engineering, NIT Delhi during February 01-05, 2021.
17.	<b>Dr. Anshul Agarwal</b> served as <b>Conveners</b> for Special Session on <b>"15<sup>th</sup> INDIACOM; 2018<sup>th</sup> International Conference on Computing for Sustainable Global Development"</b> , (INDIACom-2021) <b>March 17-19, 2021</b> , Bharati Vidyapeeth's Institute of Computer Application and Management, New Delhi.
18.	<b>Dr. Anshul Agarwal</b> served as <b>Organizing Committee Member &amp; Scientific Advisory Committee board Member</b> for <b>2<sup>nd</sup> International Conference on Future of Engineering Systems and Technologies</b> , (FEST2020) <b>December 18-20, 2020</b> , FIST New Delhi in association with NIET, Greater Noida.
19.	<b>Dr. Anshul Agarwal</b> served as <b>Organizing Committee Member</b> for <b>2<sup>nd</sup> International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication (MARC2020) December 17-18, 2020</b> , Krishna Engineering College, Ghaziabad.
20.	<b>Dr. Anshul Agarwal</b> served as <b>Organizing Secretary</b> for <b>1<sup>st</sup> INTERNATIONAL CONFERENCE ON ENERGY, MATERIAL SCIENCES &amp; MECHANICAL ENGINEERING – 2020 (EMSME-2020) October 31 – November 01, 2020 at NIT Delhi.</b>
21.	<b>Dr. Anshul Agarwal</b> chaired <b>Technical Session</b> in <b>7<sup>th</sup> IEEE Uttar Pradesh Section International Conference on Electrical, Electronics, and Computer Engineering (UPCON 2020)</b> on <b>27<sup>th</sup> – 29<sup>th</sup> November 2020</b> at MNNIT Allahabad, Prayagraj, India.
22.	Jatin Badhan, <b>Dr. Anshul Agarwal</b> and Manoj Kumawat <b>"Mathematical Modelling and Comparative Analysis of Fault Monitoring of Modular Multilevel Converter"</b> in <b>1<sup>st</sup> International Conference on Measurement, Instrumentation, Control and Automation (ICMICA 2020)</b> at NIT Kurukshetra, Haryana, India during June 24-26, 2020. (Scopus)(IEEE Xplore)
23.	Siddharth Suhas Joshi, G Rahul Prashanth, Vinay Kumar Jadoun, <b>Dr. Anshul Agarwal</b> and Saurabh Kumar Pandey <b>"Optimal Non-convex Combined Heat and Power Economic Dispatch Using Particle Swarm Optimization"</b> in <b>International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET-2020)</b> conference at NIT Patna, India during July 10-11, 2020 (Scopus)(IEEE Xplore).
24.	G Rahul Prashanth, Siddharth Suhas Joshi, Dr. Vinay Kumar Jadoun and <b>Dr. Anshul Agarwal</b> <b>"Economic Scheduling of Combined Heat and Power Systems Using Whale Optimization Algorithm"</b> in <b>6<sup>th</sup> Student's Conference on Engineering and Systems (SCES 2020)</b> , July 10-12, 2020 at MNNIT Allahabad, India. (Scopus)(IEEE Xplore).
25.	Nitesh Kumar Singh, <b>Dr. Anshul Agarwal</b> and Dr. Tirupathiraju Kanumuri, Tarun Varshney <b>"A Study of an Inorganic-Organic HTM on the Implementation of Lead based PSC Device"</b> in <b>6<sup>th</sup> Student's Conference on Engineering and Systems (SCES 2020)</b> , July 10-12, 2020 at MNNIT Allahabad, India. (Scopus)(IEEE Xplore).
26.	Nipun Sharma, Piyush Jha, Dr. Vinay Kumar Jadoun and <b>Dr. Anshul Agarwal</b> <b>"Optimal Scheduling of Grid Connected Microgrid Using PSO in Dynamic Pricing Environment"</b> in <b>6<sup>th</sup> Student's Conference on Engineering and Systems (SCES 2020)</b> , July 10-12, 2020 at MNNIT Allahabad, India. (Scopus)(IEEE Xplore).
27.	Aashish Kumar Bohre, Yashwant Sawle, Vinay Kumar Jadoun and <b>Dr. Anshul Agarwal</b> <b>"Assessment of Techno-Socio-Economic Performances of Distribution Network with Optimal Planning of Multiple DGs"</b> accepted to be published in <b>Lecture Notes in Electrical Engineering, a Springer publication in 1<sup>st</sup> International Conference on Energy, Material Sciences &amp; Mechanical Engineering (EMSME-2020)</b> , Department of Mechanical Engineering, National Institute of Technology Delhi, India, Oct 30 <sup>th</sup> -Nov 01 <sup>st</sup> , 2020.



28.	Dinesh Kumar Saini, Sameer Meena, Kamlesh Choudhary, Sheetal Bedia, <b>Dr. Anshul Agarwal</b> and Vinay Kumar Jadoun " <b>Auto Streetlight Control with Detecting Vehicle Movement</b> " accepted to be published in Lecture Notes in Electrical Engineering, a Springer publication in 1 <sup>st</sup> International Conference on Energy, Material Sciences & Mechanical Engineering ( <b>EMSME-2020</b> ), Department of Mechanical Engineering, National Institute of Technology Delhi, India, Oct 30 <sup>th</sup> -Nov 01 <sup>th</sup> , 2020.
29.	Yogesh Tomar, Ashutosh Kumar, Pradhan Meena, Sunil Yadav, <b>Dr. Anshul Agarwal</b> and Vinay Kumar Jadoun " <b>Electricity Generation using Wind Tree</b> " accepted to be published in Lecture Notes in Electrical Engineering, a Springer publication in 1 <sup>st</sup> International Conference on Energy, Material Sciences & Mechanical Engineering ( <b>EMSME-2020</b> ), Department of Mechanical Engineering, National Institute of Technology Delhi, India, Oct 30 <sup>th</sup> -Nov 01 <sup>th</sup> , 2020.
30.	P.V.N.R. Varun Teja, Dr. Vinay Kumar Jadoun and <b>Dr. Anshul Agarwal</b> " <b>Comparative-Study of Renewable Energy Resources in Distribution Network</b> " accepted to be published in Lecture Notes in Electrical Engineering, a Springer publication in Electric Power and Renewable Energy Conference ( <b>EPREC-2020</b> ), Department of Electrical Engineering, National Institute of Technology Jamshedpur, India, May 29 <sup>th</sup> -30 <sup>th</sup> , 2020.
31.	<b>Dr. Amit Kumar Singh</b> delivered a Lecture in Faculty Development Programme (FDP) on " <b>Emerging Trends in Electromechanical System and Renewable Energy</b> " during March 10 - March 14, 2021.
32.	<b>Dr. Amit Kumar Singh</b> delivered a Lecture in faculty development program on " <b>Recent Trends in Research &amp; Opportunities in Electrical and Electronic Engineering</b> " during March 15 - March 23, 2021.
33.	<b>Dr. Amit Kumar Singh</b> delivered a Lecture in AICTE SPONSORED TWO WEEKS ONLINE FACULTY DEVELOPMENT PROGRAMME ON " <b>Trends and Challenges in Power Converters and Control</b> " during May 04 - May 18, 2021.
34.	<b>Dr. Sachin Singh</b> attended Smart Classifier Based Prognostics and Health management of Induction Motor, <b>EMSME 2020</b> ---30oct to 1st november 2020--NIT Delhi.
35.	<b>Dr. Sachin Singh</b> Prognostics and health management in IM by supervised learning classifiers, <b>ICCME-20</b> feb 2021--GNIOT Greater Noida UP.
36.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Power Electronic Converters in Grid Integration of Renewable Energy Sources</b> " at MNIT Jaipur on 27 <sup>th</sup> December 2019.
37.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Applications of Power Electronics in Electrical Engineering</b> " at REC Bijnor on 04 <sup>th</sup> Feb 2020.
38.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Roles of Renewable Energy Resources in Enhancing Power Generation Capacity</b> " at REC Bijnor on 05 <sup>th</sup> Feb 2020.
39.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Modelling and Simulation of Power Electronics Converters for Renewable Energy using MATLAB &amp; Simulink</b> " at UCET Bikaner on 19 <sup>th</sup> Feb 2020.
40.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Recent Opportunities in Distribution System</b> " at CTAE Udaipur on 03 <sup>rd</sup> July 2020.
41.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Recent advancement in power Electronics Drive and Renewable Energy</b> " at GIT Jaipur on 11 <sup>th</sup> and 15 <sup>th</sup> Sep 2020.
42.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Future Perspective of Electrical Power System</b> " at GEC Ajmer on 09 <sup>th</sup> October 2020.
43.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Design of Restructured Distribution System</b> " at GIT Jaipur on 27 <sup>th</sup> and 30 <sup>th</sup> December 2020.
44.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Hands On Training On MATLAB For Engineers (HTME-2020)</b> " at SKIT M&G Jaipur on 16 <sup>th</sup> December 2020.
45.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Planning &amp; Designing in Various Fields in Electrical Engineering</b> " at Anand International College of Engineering, Jaipur on 15 <sup>th</sup> Jan 2021.
46.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Current Trends In Solar and Wind Technologies (CTSAWT-2021)</b> " at Poornima College of Engineering, Jaipur on 23 <sup>rd</sup> January 2021.
47.	<b>Dr. Manoj Kumawat</b> delivered an Expert Talk in " <b>Advances in Renewable Energy Technology Opportunities &amp; Challenges-PHASE-II</b> " at Jodhpur Institute of Engineering & Technology, Jodhpur on 12 <sup>th</sup> April 2021.



48.	<b>Dr. Manoj Kumawat</b> , Session-Chair for the 5th International conference on the Soft Computing Theory and Applications (SoCTA 2020) at Dr B R Ambedkar NIT Jalandhar on 25th December 2020.
49.	<b>Dr. Manoj Kumawat</b> , Session-Chair for the 5th International conference on Recent Challenges and Opportunities in Engineering at CTAE Udaipur on 13 <sup>th</sup> March 2021.
50.	<b>Dr. Venu Sonti</b> delivered an expert lecture on <b>"PV Inverters for Grid Connected Applications"</b> in <b>"IoT Applications in Renewable Energy"</b> at Lakshmi Narain College of Technology Bhopal during 15-19 December 2020.
51.	<b>Dr. Venu Sonti</b> delivered an expert lecture on <b>"PV Inverters for Grid Connected Applications"</b> in <b>"Power Electronics Interface for Green Energy Systems"</b> at NIT Delhi during 01-05 Feb 2021.
52.	<b>Dr. Venu Sonti</b> delivered an expert lecture on <b>"PV Inverters for Grid Connected Applications"</b> in <b>"Power Electronic Converters and its Real Time Applications"</b> at Sri Vasavi Engineering College Tadepalligudem during 21-25 July 2020.
53.	<b>Dr. Venu Sonti</b> delivered an expert lecture on <b>"Implementation of Isolated DC-DC Converters using PLECS"</b> in <b>"Introduction to PLECS tool for power electronics applications"</b> at VR Siddhartha Engineering College Vijayawada during 02-06 July 2020.
54.	<b>Dr. Venu Sonti</b> Organized online FDP on <b>"Integration of Alternate Energy Resources in Smart Grid"</b> , AICTE ATAL Academy during 25th -29th December 2020.
55.	A. Chaudhury, <b>V. Sonti</b> , A. Hota, A. R. Saxena and S. Jain, <b>"A New Single-Phase Five-Level Neutral Point Clamped Cascaded Multilevel Inverter for Minimization of Leakage Current in PV Systems,"</b> 2021 International Conference on Sustainable Energy and Future Electric Transportation ( <b>SEFET</b> ), 2021.
56.	A. Hota, <b>V. Sonti</b> , S. Jain and V. Agarwal, <b>"Common Mode Voltage Elimination in Single-Phase Multilevel Inverter using a 3rd Leg,"</b> 2021 International Conference on Sustainable Energy and Future Electric Transportation ( <b>SEFET</b> ), 2021.
57.	A. Hota, <b>V. Sonti</b> , S. Jain and V. Agarwal, <b>"A Novel Single-Phase Switched-Capacitor Based 5-level Inverter Topology Featuring Voltage Boosting Capability and Common Mode Voltage Reduction,"</b> 2021 International Conference on Sustainable Energy and Future Electric Transportation ( <b>SEFET</b> ), 2021.
58.	A. Hota, <b>V. Sonti</b> , S. Jain and V. Agarwal, <b>"A Novel Single-Phase Switched-Capacitor Transformer-less 5-level Inverter Topology with Voltage Boosting,"</b> 2021 International Conference on Sustainable Energy and Future Electric Transportation ( <b>SEFET</b> ), 2021.
59.	S. V. S. P. Kumar, Ch. S. Jain, A. Hota and <b>V. Sonti</b> , <b>"Performance analysis of Closed Loop Hysteresis Control of a PV based 8/6 Pole and 10/8 Pole Switched Reluctance Motor for EV Application,"</b> 2020 IEEE International Conference on Power Electronics, Drives and Energy Systems ( <b>PEDES</b> ), 2020.
60.	M. L. N. Vital, <b>V. Sonti</b> , P. V. R. L. Narasimham and S. Jain, <b>"An Improved Pulse Width Modulation Technique for the Attenuation of Leakage Current in Five-Level Transformerless PV Cascaded Multilevel Inverter,"</b> 2020 IEEE International Conference on Power Electronics, Drives and Energy Systems ( <b>PEDES</b> ), 2020.

#### Any other Significant Achievement by the Department for Annual Report:

1.	<b>Dr. Vivek Shrivastava</b> nominated as a Member of Board of Governors NIT Delhi Since 2020.
2.	<b>Dr. Vivek Shrivastava</b> is working as AICTE representative in of Board of Governors of College of Engineering and Technology Bikaner Since 2019.
3.	<b>Dr. Vivek Shrivastava</b> nominated as a member in Research Advisory Committee (RAC) in Dr B R Ambedkar National Institute of Technology Jalandhar
4.	<b>Dr. Vivek Shrivastava</b> nominated as an external Member in Research Advisory Committee (RAC) member in Dr B R Ambedkar National Institute of Technology Jalandhar.
5.	<b>Dr. Vivek Shrivastava</b> nominated as member in IEEE Delhi Chapter PES- IAS Execom for the year 2020.

**List of Research Publications in 2020-2021:**

S.No.	Name of the Authors	Title of the paper	Name of the Journal	Vol.	Page number	Year
1	Kritika Bansal and Pankaj Mukhija	Aperiodic sampled-data control of distributed networked control systems with time-delay	Transactions of the Institute of Measurement and Control	43	1891-1902	2021
2	Kritika Bansal and Pankaj Mukhija	Event-triggered control of vehicular platoon system with time-varying delay and sensor faults	Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering	234	3362-3372	2020
3	Kritika Bansal and Pankaj Mukhija	Aperiodic sampled-data control of distributed networked control systems under stochastic cyber-attacks	IEEE/CAA Journal of Automatica Sinica	7	1064-1073	2020
4	Pankaj Dahiya, Pankaj Mukhija and Anmol Ratna Saxena	Event-triggered based decentralised control for frequency regulation of power systems	IET Generation, Transmission & Distribution	14	2004-2015	2020
5	Sachin singh, N. P. Singh, Deepti,	Development of music emotion classification system using convolution neural network.	International Journal of Speech Technology			2020
6	Sachin singh, N. P. Singh, Deepti,	A Survey on Autonomous Techniques for Music Classification based on Human Emotions Recognition	International Journal of Computing and Digital Systems	9		2020
7	Dr. Manoj Kumawat	Integrating layered recurrent ANN with robust control strategy for diverse operating conditions of AGC of the power system	IET Generation, Transmission & Distribution	14	3886 – 3895	Sep-20
8	Dr. Manoj Kumawat	Integrating LQR with GRNN for LFC of energy delivery system interconnected via AC/DC tie-lines	IET Energy Systems Integration	2	355-361	Dec-20
9	Dr. Manoj Kumawat	Applications of Meta-heuristics in Renewable Energy Systems", In: Metaheuristic and Evolutionary Computation: Algorithms and Applications	Studies in Computational Intelligence	916	253-282	Oct-20
10	Dr. Manoj Kumawat	Solar Photovoltaic (PV) Generation_Fundamentals and Innovations in Solar Energy	Energy Systems in Electrical Engineering	1	011-033	2021



11	Dr. Manoj Kumawat	Weibull Distribution Based Reliability Analysis of Radial Distribution System with Aging Effect of Transformer	IEEE 2020 National Power Systems Conference (NPSC2020), IIT Gandhinagar	21	001-006	Jan-21
12	S. Aggarwal, and A. K. Singh	Impact analysis of electric vehicle charging station integration with distributed generators on power systems	International Journal of Circuit Theory and Applications	49	1811-1827	2021
13	M. Bajaj, and A. K. Singh	A single index for voltage quality ranking in the distribution power networks using multiple criteria decision-making	International Transactions on Electrical Energy Systems	<a href="https://doi.org/10.1002/2050-7038.12965">https://doi.org/10.1002/2050-7038.12965</a>	NA	2021
14	M. Bajaj, and A. K. Singh	A global power quality index for assessment in distributed energy systems connected to a harmonically polluted network	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	<a href="https://doi.org/10.1080/15567036.2021.1929577">https://doi.org/10.1080/15567036.2021.1929577</a>	NA	2021
15	M. Bajaj, and A. K. Singh	Hosting capacity enhancement of renewable-based distributed generation in harmonically polluted distribution systems using passive harmonic filtering	Sustain. Energy Technol. Assessments	44	NA	2021
16	M. Bajaj, A. K. Singh, M. Alowaidi, N. K. Sharma, S. K. Sharma, and S. Mishra	Power Quality Assessment of Distorted Distribution Networks Incorporating Renewable Distributed Generation Systems Based on the Analytic Hierarchy Process	IEEE Access	9	22724-22744	2021
17	M. Bajaj, and A. K. Singh	An analytic hierarchy process-based novel approach for benchmarking the power quality performance of grid-integrated renewable energy systems	Electrical Engineering, Springer	102	1153-1173	2020
18	V. M. R. Tatabhatla, A. Agarwal, and T. Kanumuri	A Generalized Chaotic Baker Map Configuration for reducing the Power Loss under Shading Conditions	Electrical Engineering, Springer.	102	2227-2244	2020
19	Kumari, V, Ahmed, A, Kanumuri, T, Shakher, C, Sheoran, G.	Early detection of cancerous tissues in human breast utilizing near field microwave holography	Int J Imaging Syst Technol.	30	391-400	2020
20	V. M. R. Tatabhatla, A. Agarwal, and T. Kanumuri	Enhanced Performance Metrics under Shading Conditions through Experimental Investigations	IET Renewable Power Generation	14	2592-2603	2020



21	V. M. R. Tatabhatla, A. Agarwal, and T. Kanumuri	Performance Improvement by Mitigating the Effects of Moving Cloud Conditions	IEEE transactions on Power Electronics	36(4)	4214-4223	2020
22	Vyas, R., Kanumuri, T., Sheoran, G. et al	Accurate feature extraction for multimodal biometrics combining iris and palmprint	J Ambient Intell Human Comput	<a href="https://doi.org/10.1007/s12652-021-03190-0">https://doi.org/10.1007/s12652-021-03190-0</a>		2021
23	Anmol Ratna Saxena and Ashima Kulshreshtha	A fourth-order bidirectional DC-DC converter for interfacing battery in a solar-photovoltaic fed low-voltage residential DC nano-grid: Design and analysis	International Journal of Circuit Theory and Applications	Vol. 49 Issue 7, PP. 1932-1958		2021
24	Deepak Kumar and Anmol Ratna Saxena	A fourth-order bidirectional DC-DC converter for interfacing battery in a solar-photovoltaic fed low-voltage residential DC nano-grid: Design and analysis	International Journal of Circuit Theory and Applications	Early View		2021
25	Anmol Ratna Saxena and Deepak	Transformerless high-gain battery-integrated DC-DC boost converter for fuel-cell stacks: Design, analysis, and control	International Transactions on Electrical Energy Systems	Vol. 31, Issue-2		2021
26	Ashima Kulshreshtha, Anmol Ratna Saxena, M Veerachary	Non-Isolated Fourth-Order Boost DC-DC Converter for Power Management in Low Voltage Low Power DC Grids: Design and Interaction Analysis	IEEE Access	Vol. 8		2020
27	Anmol Ratna Saxena and Deepak	Design and control of a reconfigurable high-gain battery integrated dc-dc boost converter for time-varying loads	International Journal of Circuit Theory and Applications	Vol. 49, Issue-2		2021
28	Pankaj Dahiya, Pankaj Mukhija, and Anmol Ratna Saxena	Event-triggered based decentralised control for frequency regulation of power systems	IET Generation, Transmission & Distribution	Vol. 14, No. 10, pp.2004-2015		2020
29	A. Chaudhury, V. Sonti, A. Hota, A. R. Saxena and S. Jain	A New Single-Phase Five-Level Neutral Point Clamped Cascaded Multilevel Inverter for Minimization of Leakage Current in PV Systems	2021 International Conference on Sustainable Energy and Future Electric Transportation (SEFET), Hyderabad, India,			2021
30	D. Kumar and A. R. Saxena	Three-Port Fourth-Order Boost Converter for Renewable Energy Application	2020 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES), Jaipur, India			2020





31	D. Kumar and A. R. Saxena	High-Gain Non-Isolated Battery Integrated DC-DC Boost Converter for Electric Vehicle	2020 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES), Jaipur, India			2020
32	A. Gupta and A. R. Saxena	An Isolated Dual-Input Dual-Output DC-DC Converter with Bi-directional Feature for Low Voltage DC Grids	2020 IEEE First International Conference on Smart Technologies for Power, Energy and Control (STPEC), Nagpur, India,			2020
33	Jaynendra, Anshul Agrawal and Nitin Singh	Design, Operation and Control of a Vast DC Microgrid for Integration of Renewable Energy Sources	Renewable Energy Focus	34	17-36	2020
34	Venkata Madhava Ram Tatabhatla, Anshul Agrawal and Tirupathiraju Kanumuri	A Generalized Chaotic Baker Map Configuration for reducing the Power Loss under Shading Conditions	Electrical Engineering	102(4)	2227-2244	2020
35	Rahul Jaiswal, Anshul Agrawal and Richa Negi	Smart Solution for Reducing the COVID-19 Risk using Smart City Technology	IET Smart Cities	Vol. 2, Issue 2	82-88	2020
36	Venkata Madhava Ram Tatabhatla, Anshul Agrawal and Tirupathiraju Kanumuri	Enhanced Performance Metrics under Shading Conditions through Experimental Investigations	IET Renewable Power Generation	Vol. 14, no. 14	2592-2603	2020
37	Rahul Jaiswal, Anshul Agrawal and Richa Negi	A Phase Shifted Modular Multilevel Converter with Variable Arm Inductance	International Journal of Energy Technology and Policy	Vol. 17, No. 2	204-226	2021
38	Irfan Ahmad Khan & Anshul Agarwal	Digitally controlled sigma-delta modulated direct matrix converter for high frequency AC-AC Conversion	Indian Journal of Engineering & Materials Sciences (IJEMS)	27	927-934	2020
39	Nitish Kumar & Anshul Agarwal	Single-Stage Bridgeless Water Pumping System Using a Modified Universal Converter	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects			2020
40	Flah Aymen, Irfan Ahmad Khan, Anshul Agarwal, L. Sbita & M. G. Simoes	Field oriented control strategy for double stator single rotor and double rotor single stator permanent magnet machine: design and operations	Computers and Electrical Engineering	90		2021





41	Anshul Agarwal, Jatin Badhan, and Vinay Jadoun	Design and Modelling for LCL Filter for Measurement of THD Reduction in Different Modular Multilevel Converters	Mapan			2021
42	Vinay Kumar Jadoun, G Rahul Prashanth, Siddharth Suhas Joshi, Anshul Agarwal, Hasmat Malik, Majed A. Alotaibi, Almutairi Abdulaziz	Optimal Scheduling of Non-convex Cogeneration Units Using Exponentially Varying Whale Optimization Algorithm	Energies	14		2021
43	Nitish Kumar & Anshul Agarwal	Solar-Grid Connected Single Phase Water Pumping System for Household Application	Indian Journal of Pure and Applied Physics	Vol. 59	206-210	2021
44	Irfan Ahmad Khan, Aymen Flah, Anshul Agarwal & Harish Kumar	Trapezoidal Modulated Direct Matrix Converter:For Higher Frequency AC/AC Conversion	Indian Journal of Pure and Applied Physics	Vol. 59	211-215	2021
45	Jaynendra, Anshul Agrawal and Nitin Singh	A Decentralized Power Management strategy in Hybrid Energy Storage Supported Islanded Residential Sustainable DC Microgrid System	International Journal of Energy Technology and Policy			2021



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### List of Faculty (as on 31 March 2021):

S. No.	Name of Faculty	Designation	Highest Qualification
1.	Dr. D. Vaithyanathan	Assistant Professor	Ph.D.
2.	Dr. Rikmantra Basu	Assistant Professor	Ph.D.
3.	Dr. Rajiv K Tripathi	Assistant Professor	Ph.D.
4.	Dr. Manisha Bharti	Assistant Professor	Ph.D.
5.	Dr. BaljitKaur	Assistant Professor	Ph.D.
6.	Dr. Sandeep Kumar	Assistant Professor	Ph.D.
7.	Dr. Sachin K Agarwal	Assistant Professor	Ph.D.
8.	Dr. Nitin Singh Singha	Assistant Professor	Ph.D.
9.	Dr. Dharmendra K Jhariya	Assistant Professor	Ph.D.
10.	Dr. Mahesh K Singh	Assistant Professor	Ph.D.

### Projects Completed/On Going/Sponsored Projects in 2020-2021:

S. No	Title	Start Date & Duration	Funding Agency	PI Name & CoPI (if any)	Project cost	Whether Ongoing or completed
1	Speech Biometric Based Student Authentication System	June-2019 (1 years extended for next year i.e. 2021)	NPIU (TEQIP Collaborative Research Scheme)	Dr. BHANU PRIYA (PI) Mr. SATISH SINGH (Co-PI) <b>Dr. SANDEEP KUMAR (Co-PI)</b> Mr. DINESH SRIVASTAVA (Co-PI) Ms. JULIE DEVI (Co-PI)	₹843000	Ongoing
2	Design of Electronic and Photonic Devices using $Ge_{1-x}Sn_x$ Alloy: An emerging Group IV Semiconductor Material and Investigation of Physical Processes of the Devices	May 01, 2017 { Project ref. No.: ECR/2017/000794}	DST – SERB under Early Career Research Award Scheme	PI (Rikmantra Basu)	~25 Lacs	Completed June 06, 2020



### Workshop/Expert Lecture/ Short Term Course/Conference/Seminar/Organized/ attended/ delivered in 2020-2021:

1.	Dr. D.Vaithiyathan chaired the Technical Session during the First International Conference on Advances in Physical Sciences and Materials (ICAPSM 2020), Organized by SNS College of Technology, Coimbatore, Tamil Nadu, India (13-14, August 2020).
2.	Dr. D.Vaithiyathan delivered a Lecture on "Advanced VLSI Design and Applications with hands-on CADENCE Tools" with subtopic "Analog Integrated Circuit Design" organized by ABES Engineering College, Ghaziabad, India. (27 <sup>th</sup> July to 1 <sup>st</sup> August 2020)
3.	Dr. D.Vaithiyathan delivered a Lecture on "Recent Trends in VLSI Design" in FDP on "VLSI-Industrial and Research Perspectives" organized by Saranathan College of Engineering, Tiruchirappalli, Tamil Nadu, India. (20 <sup>th</sup> July to 24 <sup>th</sup> July 2020)
4.	Dr. D.Vaithiyathan delivered a Lecture on "Recent Trends in VLSI Design" organized by Don Bosco Institute of Technology, Bangalore, India. (10 <sup>th</sup> July 2020)
5.	Dr. Sachin Agarwal attended virtual symposium on "5G and Beyond Communications" at BITS Pilani on 20 <sup>th</sup> March 2021.
6.	Dr. Sachin Agarwal attended virtual symposium on "RF and Microwave Propagation" held on 30 <sup>th</sup> January 2021 at BITS Pilani, Pilani campus.
7.	Dr. Sachin Agarwal delivered expert lecture on "RF Energy Harvesting" in online faculty development program on "5G: Devices & Key Enable Technologies" at MITS Gwalior during 19 <sup>th</sup> to 23 <sup>rd</sup> September 2020.
8.	Dr. Sachin Agarwal delivered expert lecture on "Design and Analysis of RF Energy Harvesting using 2D and 3D antennas" online faculty development program on "Recent Advances in Electronics & Telecommunication Engineering" organized by Jabalpur Engineering college during 28 <sup>th</sup> September to 3 <sup>rd</sup> October 2020.
9.	Dr. Manisha Bharti attended one faculty development program on "Nascent Methodologies, Challenges & Realm of Research" at Delhi Technological University, Delhi from 3-7 October, 2020 on virtual mode.
10.	Dr. Baljit Kaur delivered a lecture in 5 days FDP on "Current Research Trends in Electronics and Communication Engineering" held from 29 June to 3 <sup>rd</sup> July 2020.(Through Virtual Mode)
11.	Dr. Mahesh K. Singh virtually presented Conference Paper "Development of an Integrated Real-Time Sign Language Recognition system" at IIT Indore during 18-20 December 2020.
12.	Dr. Rikmantra Basu delivered talk on, "Novel Photonic Devices Using Direct Gap $\text{Ge}_{1-x}\text{Sn}_x$ Alloys as a Replacement for III-V Compound Semiconductor Based Devices", SPIE Autumn Lecture Series, SPIE IIT Bombay STUDENT CHAPTER, Mumbai, India, November 24, 2020.

### Any Other Significant Achievement by the Department:

1	Signals and Systems-Simon Haykin and Barry Van Veen	Text Book Indian Adopting author	Wiley 9789354243158	Dr Sandeep Kumar Dr Gaurav Singh Baghel Dr M.V. Swati
2	Next-Generation Antennas Advances and Challenges,	Book editor	Scrivener Publishing_Wiley, ISBN: 9781119791867  Hardcover 298 pages Edited by	Prashant Ranjan, Dharmendra Kumar Jhariya, Manoj Gupta, Krishna Kumar, and Pradeep Kumar



### List of Research Publications in 2020-2021:

S.No.	Name of the Authors	Title of the Paper	Name of the Journal	Volume	Page number	Year
1	Harshvardhan Choudhary, Girija Moona, <b>D Vaithiyathan</b> , Harish Kumar	Implementation of Monte Carlo Simulation in Evaluation of Uncertainty of Measurement of a Force Transducer	Indian Journal of Pure & Applied Physics (IJPAP)	Vol. 59, Issue 3	pp. 271-276	March 2021
2	J Aiswarya, J Kamala, <b>D Vaithiyathan</b>	Analysis of Surface Water Extraction and Change Detection Over Barur Lake, India	Indian Journal of Pure & Applied Physics (IJPAP)	Vol. 59, Issue 3	pp. 239-243	March 2021
3	K K Senthilkumar, K Kunaraj, <b>D Vaithiyathan</b>	Approximate Multipliers Using Bio-Inspired Algorithm	Journal of Electrical Engineering & Technology	Vol. 16, Issue. 01	pp. 559-568	January 2021,
4	Balaji M, Chandrasekaran M, <b>Vaithiyathan Dhandapani</b>	A Novel Rail-Network Hardware Simulator for Embedded System Programming	MDPI - Electronics	Vol. 10, Issue. 01, No. 13,	pp. 1-14	January 2021
5	Bagyaraj S, Arun Karthick S, Gomathi S, Sandini S, Sowmiya R, Devi B, <b>D Vaithiyathan</b>	Preparation and Characterization of Silver Nanoparticle/Aloe Vera Incorporated PCL/PEO matrix for wound dressing application	Indian Journal of Biochemistry & Biophysics	Vol. 58, Issue 1	pp. 35-44	February 2021
6	<b>Dhandapani Vaithiyathan</b> , Ravindra Kumar, Ashima Rai, Khushboo Sharma	Performance Analysis of Dynamic CMOS Circuit based on Node-Discharger and Twist-Connected Transistors	IET Computers & Digital Techniques	Vol. 14, Issue. 3	pp. 107-113	May 2020
7	S. Mohamed Sulaiman, B. Jaison, M. Anto Bennet, <b>D Vaithiyathan</b>	Adaptation of Counters Redundant Bits with the Provision of Dual Supply and Modified Clock Gating to Favour of Low Power in VLSI	Indian Journal of Pure & Applied Physics (IJPAP)	Vol. 58, Issue 10	pp.750 - 757	October 2020
8	Bagyaraj,S, Apurva.S, Asha.R, Sangeetha.B, <b>D Vaithiyathan</b>	Brain Wave Classification for Divergent Hand Movements	Indian Journal of Pure & Applied Physics (IJPAP)	Vol. 58, Issue 10	pp.765 - 773	October 2020
9	Britto Pari James, <b>Vaithiyathan Dhandapani</b> , Karuthapandian Mariammal	An Optimized MAC based Architecture for Adaptive Digital Filter	Indian Journal of Engineering and Materials Sciences (IJEMS)	Vol. 27, No. 04,	pp.906-915	August 2020
10	Bharathi Raj Muthu, Ewins Pon Pushpa Solomon, <b>Vaithiyathan Dhandapani</b>	Simulation of the Process Variation in Negative Capacitance Virtual-Source Carbon Nanotube FET Devices and Circuits	Indian Journal of Engineering and Materials Sciences (IJEMS)	Vol. 27, No. 04,	pp.916-920	August 2020



11	Manoharan Suresh Kumar, Ganapathy Krishnamoorthy, <b>Dhandapani Vaithiyanathan</b>	An Adaptive Denoising Approach to Powerline Interference Reduction in ECG Recording	Indian Journal of Engineering and Materials Sciences (IJEMS)	Vol. 27, No. 04,	pp.939-951	August 2020
12	Harshvardhan Choudhary, <b>Dhandapani Vaithiyanathan</b> , Ajay Pratap Singh, Ankita J Sheoran, Harish Kumar	Design and Development of an Additive Manufactured Force Transducer	Indian Journal of Engineering and Materials Sciences (IJEMS)	Vol. 27, No. 04,	pp.897-900	August 2020
13	K. Mariammal, R. Sherin Marry, J. Brittopari, <b>D Vaithiyanathan</b>	Multiple Bandwidth FIR Filter Design with Adaptive Algorithms for Hearing Aid Systems	Indian Journal of Pure & Applied Physics (IJPAP)	Vol. 58, No. 08	pp. 605-623	August 2020
14	M. Suresh Kumar, G. Krishnamoorthy and <b>D Vaithiyanathan</b>	Synchrosqueezing Transform Based Powerline Interference Reduction in ECG Recording	Journal of Medical Imaging and Health Informatics	Vol. 10	pp. 2259-2273	October 2020
15	Gunasekaran Prabakaran, <b>Dhandapani Vaithiyanathan</b> and Harish Kumar	Fuzzy Decision Support System for Outbreak the COVID-19 and Improving the People Livelihood	EVERGREEN – Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy	Vol.08, Issue 01	pp. 36-43	March 2021
16	<b>D Vaithiyanathan</b> , Megha Singh Kurmi, Alok Mishra and J. Britto Pari	Performance Analysis of Multi-Scaling Voltage Level Shifter for Low Power Applications	World Journal of Engineering	Vol. 17, No. 6	pp. 803-809	October 2020
28	<b>Sachin Agrawal</b> , Manoj Singh Parihar	Performance Evaluation of RF Energy Harvesting Circuit with DRA and Planar Antennas	Wireless Personal Communications Springer			2021
29	Manisha Bharti	Simulative Comprehensive Analysis of 2D Algebraically Constructed Codes for Optical CDMA	Indian Journal of pure and applied physics	Vol. 59	Page: 168-173	March 2021
30	Ashima Sharma, Pydi Ganga, Manisha Bharti, Pedro Barquinha	High Gain Operational Amplifier & a Comparator with $\alpha$ -IGZO TFTs	IET Circuits & Systems	Yet to be allotted	Page:1-6	June 2020
31	Manisha Bharti	Design and Investigation of Hybrid 2D Codes for Optical CDMA Systems	Indian Journal of Engineering and Materials Sciences	vol. 27	Page: 901-905	May 2020



32	Sharma, S., <b>Basu, R.</b> and <b>Kaur, B.</b>	Insights into temperature influence on analog/ RF and linearity performance of a Si/ Ge heterojunction asymmetric double gate dopingless TFET	Appl. Phys. A	127	1-9	2021
33	Suruchi Sharma, <b>Rikmantra Basu</b> and <b>Baljit Kaur</b>	Interface trap charges associated reliability analysis of Si/Ge heterojunction dopingless TFET	IET Circuits, Devices & Systems	15( 5)	424- 433	2021
34	Suruchi Sharma, Baljit Kaur	Performance investigation of asymmetric double-gate doping less tunnel FET with Si/Ge heterojunction	IET Circuits, Devices & Systems	14(5)	695-701	2020
35	Nitin Singha, Yatindra Nath	New incentive mechanism to enhance: cooperation in wireless P2P networks,"	Peer-to-Peer Networking and Applications, Springer.,	14	1218-1228	2021
36	<b>S. Kumar</b> , P.R. Verma, M. Bharti and P. Agarwal	A CNN based Graphical User Interface controlled by Imagined Movements	International Journal of System Assurance Engineering and Management (Springer)	Not Assigned till date	Not Assigned till date	March 2021
37	UK Acharya and <b>S Kumar</b>	Directed Searching Optimized Mean-Exposure based sub-image Histogram Equalization for Grayscale Image Enhancement	Multimedia Tools and Applications (Springer)	80	24005-24025	March 2021
38	I.N. Bahadur, <b>S. Kumar</b> and P. Agarwal	Performance Measurement of a Hybrid Speech Enhancement Technique	International journal of speech technology (Springer)	Not Assigned till date	Not Assigned till date	March 2021
39	P. Agarwal and <b>S. Kumar</b>	Transforming imagined thoughts into speech using a covariance-based subset selection method	Indian Journal of Pure & Applied Physics	59	180-183	March 2021
40	UK Acharya and <b>S Kumar</b>	Genetic Algorithm based adaptive histogram equalization (GAAHE) technique for medical image enhancement	Optik (Elsevier)	230 (166273)	1-13	March 2021
41	R. Yadav, V.S. Pandey and <b>S. Kumar</b>	A Pattern Reconfigurable Graphene-Based Yagi-Uda Antenna with TM01- Generation for THz Applications	Journal of Materials Science: Materials in Electronics (Springer)	32	5325-5338	February 2021



42	UK Acharya and <b>S Kumar</b>	Particle swarm optimized texture based histogram equalization (PSOTHE) for MRI brain image enhancement	Optik (Elsevier)	224 (165760)	1-12	December 2020
43	<b>S Kumar</b> , S Singh, P Agarwal, UK Acharya, PK Sethy and C Pandey	Speech Quality Evaluation for Different Pitch Detection Algorithms in LPC Speech Analysis-Synthesis System	International journal of speech technology (Springer)	Not Assigned till date	Not Assigned till date	October 2020
44	<b>S Kumar</b>	Real-time Implementation and Performance Evaluation of Speech Classifiers in speech Analysis-Synthesis	ETRI Journal (Wiley)	43(1)	82-94	July 2020
45	G. Kumar and <b>S Kumar</b>	Performance analysis of 80 channels hybrid optical time division dense multiplexing system with the support of different orthogonal modulation techniques	Indian Journal of Engineering and Materials Sciences	27(5)	984-989	October 2020
46	G. Kumar and <b>S Kumar</b>	Performance evaluation of a novel dense hybrid passive optical network for acceptable modulation technique using EDFA amplifiers	Indian Journal of Pure & Applied Physics	58(11)	787-794	November 2020
47	G. Kumar and <b>S Kumar</b>	Effect of different channel spacing for DWDM system using optical amplifiers	National Academy Science Letters (Springer)	Not Assigned till date	Not Assigned till date	August 2020
48	<b>S Kumar</b>	Directed searching optimization based speech enhancement technique	Fluctuation and Noise Letters	19(4)	2050035-(1-11)	July 2020
49	G. Kumar and <b>S Kumar</b>	Analysis the characteristics of optical amplifiers for high speed dense optical communication system	TEST Engineering and Management	83	12550-12555	June 2020
50	G. Kumar and <b>S. Kumar</b>	Performance analysis of compensation techniques for 80x20 Gbps DWDM systems using optical amplifiers	Photonic Network Communication (Springer)	39	232-245	June 2020





51	Harshvardhan Kumar and Rikmantra Basu	Design and Analysis of Ge/Ge <sub>1-x</sub> Sn <sub>x</sub> /Ge Heterojunction Phototransistor for MIR Wavelength Biological Applications	IEEE Sensors Journal [Digital Object Identifier: 10.1109/JSEN.2019.2960006]	vol. 20, No. 7	pp. 3504-3511	April 2020
52	Harshvardhan Kumar, <b>Rikmantra Basu</b> and Guo-En Chang	Impact of Temperature and Doping on the Performance of Ge/Ge <sub>(1-x)</sub> Sn <sub>x</sub> /Ge Heterojunction Phototransistors	IEEE Photonics Journal [Digital Object Identifier: 10.1109/JPHOT.2020.2996808]	vol. 12, No. 3	pp. 6801814	June 2020
53	Jaspinder Kaur, <b>Rikmantra Basu</b> and Ajay Sharma	Performance Analysis of Planar Heterojunction Perovskite Solar Cell featuring Double Hole Transport Layer & Backplane	Silicon Journal, Springer [DOI: 10.1007/s12633-020-00820-8].	e-published	pp 1-12,	November 2020
54	Surender Kumar, Harsh Yadav and <b>Rikmantra Basu</b>	Performance Analysis of Group IV Material based Tunnel Field Effect Transistor: Effect of Drain Splitting and Introducing Ge-Strip at Source-Channel Junction	Silicon Journal, Springer [DOI: 10.1007/s12633-020-00824-4].	e-published		November 2020
55	Harshvardhan Kumar and <b>Rikmantra Basu</b>	Effect of Defects on the Performance of Si-based GeSn/Ge Mid-Infrared Phototransistors	IEEE Sensors Journal, March, 2021. [Digital Object Identifier: 10.1109/JSEN.2020.3036890]	Vol 21, Issue 5	pp. 5975-5982	March 2021



## DEPARTMENT OF MECHANICAL ENGINEERING

S. No.	Name of Faculty	Designation	Highest Qualification
1	Dr. Abhishek Mishra	Assistant Professor	Ph.D.
2	Dr. Harish Kumar	Assistant Professor	Ph.D.
3	Dr. Leeladhar Nagdeve	Assistant Professor	Ph.D.
4	Dr. Ashok Kumar Dewangan	Assistant Professor	Ph.D.
5	Dr. Nitesh Ahir	Assistant Professor	Ph.D.

### Projects Completed/On Going/Sponsored projects in 2020-2021:

S. No	Title	Start Date & Duration	Funding Agency	PI Name & CoPI (if any)	Project cost	Whether Ongoing or completed
1	Fretting Fatigue and Fretting Wear Behavior of Titanium Foam under Simulated Body Fluid Environment	18 <sup>th</sup> June 2019 and 1 year (Project was on Extension)	MHRD/ AICTE New Delhi	PI: Dr. Ram SingarYadav Co-PI: Dr. Leeladhar Nagdeve Dr. Krishnakant Dhakar Dr. Jayaprakash Murugesan (IIT Indore)	19.38 Lakhs	Completed
2	Development of Portable Near-dry Electrical Discharge Machine	18 <sup>th</sup> June 2019 and 1 year on Extension)	MHRD/ AICTE New Delhi	PI: Dr. Krishnakant Dhakar Co-PI: Dr. Leeladhar Nagdeve, Dr. Ashay Dvivedi (IIT Roorkee)	8.95 Lakhs	Ongoing

### Workshop/Expert Lecture/ Short Term Course/Conference/Seminar/Organized/ attended/ delivered in 2020-2021:

- Dr. Abhishek Mishra, Completed course on “**Foundational Skills for Data Science**” offered by **Stanford Center for Professional Development** by online mode.
- Dr. Abhishek Mishra, **Session Chair** in international conference “**ICAMME 2021**” organized by **MANIT Bhopal** by online mode.
- Dr. Abhishek Mishra, Delivered lecture in FDP on “**Experimental Methods for Engineers**” organized by AMITY University Noida.
- Dr. Harish Kumar, 1st International Conference on Energy, Materials Science and Mechanical Engineering (EMSME)-2021, October 30- November 01, 2021.**
- Dr. Leeladhar Nagdeve, Co-chaired the Technical Session in 1st International Conference on Energy, Materials Sciences and Mechanical Engineering (EMSME - 2020) organized by Department of Mechanical Engineering, during Oct. 30- Nov. 1, 2020 at National Institute of Technology Delhi, INDIA.
- Dr. Leeladhar Nagdeve, delivered online lecture on One Week AICTE-RGPV Joint Teachers Training Program on “Processing and Characterization of Novel Materials” organized by SGSITS Indore MP, INDIA during February 15-20, 2021.
- Dr. Leeladhar Nagdeve, delivered online lecture in One Week FDP on “Emerging Trends in Electromechanical System and Renewable Energy” Organized by Department of Mechanical Engineering, National Institute of Technology Delhi (NITD), INDIA during March 10-14, 2021.
- Dr. Leeladhar Nagdeve, delivered online lecture in STTP on Applications of Advance Machining Processes (AMPs) organized by RGPV Bhopal, TEQIP-III, during September 9-10, 2020.



9. Dr. LeeladharNagdeve, attended online workshop on Future Proof Your Teaching Skills Learning Series, organized by IIIT Delhi during Oct. 6-16, 2020.
10. Dr. LeeladharNagdeve, attended five days STC on "Advances in Fatigue, Creep, Fracture and Failure analysis of Materials" organised by Indian Institute of Technology Indore, during Dec. 7-11, 2020.
11. Dr. LeeladharNagdeve, attended five day online short term course on "Modelling Approach in Micro-Machining Processes" held at PanditDeendayal Petroleum University (PDPU), Gandhinagar, Gujarat, during Oct. 26-30, 2020.
12. Dr. LeeladharNagdeve, Worked as an Organizing Secretary in One Week FDP on "Emerging Trends in Electromechanical System and Renewable Energy" Organized by Department of Mechanical Engineering, National Institute of Technology Delhi (NITD), INDIA during March 10-14, 2021.
13. Dr. Ashok Kumar Dewangan attended online Short Term Training Program on "Bio-Energy: Technologies & Transitions" at NIT Kurukshetra and GEC Bikaner Rajasthan (jointly organized) during 13-17 May 2020.
14. Dr. Ashok Kumar Dewangan attended online Faculty Development Program on "Engineering Thermodynamics Essentials" at Sri Venkateswara College of Engineering Pennalur, Tamilnadu during 23-27 May 2020.
15. Dr. Ashok Kumar Dewangan attended online Faculty Development Program on "Emerging Technologies in Robotics" at Malla Reddy Engineering College Maisammaguda, Dhullapally, Secunderabad during 26-30 May 2020.
16. Dr. Ashok Kumar Dewangan attended online Short Term Training Program on "Green Energy Technologies for Sustainable Development" at NIT Kurukshetra and GEC Bikaner Rajasthan (jointly organized) during 11-20 June 2020.
17. Dr. Ashok Kumar Dewangan attended online Short Term Course on "Hybrid Manufacturing Processes: Opportunities and Challenges" at NIT Jalandhar during 6-10 July 2020.
18. Dr. Ashok Kumar Dewangan delivered expert talk in Short Term Training Program on "Recent Trends and Importance of Mechanical Engineering in Competitive World" at Vishwavidhyalaya Engineering College Lakhanpur, Ambikapur, Chhattisgarh Swami Vivekanand Technical University during 31 august-05 September 2020.
19. Dr. Ashok Kumar Dewangan attended online Short term Course on "Sustainable Energy Technologies: Synthesis of Alternative Fuels, Characterization, and Molecular Simulations" at IIT Roorkee during 7-11 December 2020.
20. Dr. Ashok Kumar Dewangan attended online Faculty Development Program on "Emerging Trends in Electromechanical System, and Renewable Energy" at NIT Delhi during 10-14 March 2021.
21. Dr. Nitesh Ahir delivered Online Invited Expert Lecture on "Seismic retrofitting of Structures as per IS Codes" at Department of Civil Engineering, COER Roorkee, on 02 Jan'2021.
22. Dr. Nitesh Ahir delivered Online Invited Expert Lecture on "Seismic Retrofit of RC Structures" at Department of Civil Engineering, Manipal University Jaipur, on 10 September'2020.
23. Dr. Nitesh Ahir delivered Online Invited Expert Lecture in AICTE Sponsored STTP on "Structural Health Monitoring and Seismic Protection of Structures" at Department of Civil Engineering, Bannari Amman Institute of Technology, Tamil Nadu, on 03 August'2020.
24. Dr. Nitesh Ahir delivered Online Invited Expert Lecture on "Modern Infrastructure and Construction Practices" at Department of Civil Engineering, MIC College of Technology, Andhra Pradesh, on 29 - 30 May'2020.
25. Dr. Nitesh Ahir delivered Invited Expert Lecture on "ERD Principles, Seismic Retrofit and IS Codes" at Department of Civil Engineering, JEC Jabalpur, on 24 Feb'2020.
26. Dr. Nitesh Ahir delivered Invited Expert Lecture in National Level Training Program on "Guidelines on Seismic Retrofitting of Deficient Buildings and Structures" at Department of Civil Engineering, DTU Delhi, on 10-14 Feb'2020.
27. Dr. Nitesh Ahir delivered Invited Expert Lecture on "Retrofitting Techniques and Associated Challenges" at Department of Civil Engineering, SATI Vidisha, during 04-05 Feb'2020.

#### **Consultancy services completed/Ongoing:**




S.No	Title	Year	Agency	Coordinator /Dept.	Consultancy cost
1.	Design Vetting of Warehouses of Indian Oil located at Rajkot Gujrat	Feb'2021	OB Developers, Structural Audit Agency	Nitesh Ahir, Civil Engineering	Rs. 23600

#### Any other Significant Achievement by the Department:

S.No.	Name of the Authors	Title of the Paper	Name of the Journal	Volume	Page number	Year
1	Neeraj Kumar, Abhishek Mishra	A multi-objective and dictionary-based checking for efficient rescheduling trains	Alexandria Engineering Journal	Vol. 60, Issue 3	3233-3241	2021
2	Neeraj Kumar, Abhishek Mishra	An efficient method of disturbance analysis and train rescheduling using MWDLNN and BMW-SSO algorithms	Soft Computing	<a href="https://doi.org/10.1007/s-00500-021-05708-2">https://doi.org/10.1007/s-00500-021-05708-2</a>		2021
3	Akash Gupta, Harish Kumar, Leeladhar Nagdeve, Pawan Kumar Arora	EDM Parametric Study of Composite Materials: A review	Journal of Evergreen	7	519-529	2021
4	Sudhir Kumar, S. K. Ghoshal, P. K. Arora, Leeladhar Nagdeve	Multi-Variable optimization in Die-Sinking Electrical Discharge Machining of AISI420 stainless steel	Materials and Manufacturing Processes	36	572-582	2021
5	Leeladhar Nagdeve, K. K. Dhakar, Harish Kumar	Development of novel finishing tool into Magnetic Abrasive Finishing process of Aluminium 6061	Materials and Manufacturing Processes	35	1129-1134	2021
6	Leeladhar Nagdeve, V.K. Jain and J. Ramkumar	Optimization of process parameters in nano-finishing of Co-Cr-Mo alloy knee joint	Materials and Manufacturing Processes	35	985-992	2020



7	Syed Quadir Moinuddin, Syed Shaul Hameed, Ashok Kumar Dewangan, K. Ramesh Kumar, and A. Shanta Kumari	A study on weld defects classification in gas metal arc welding process using machine learning techniques	Material Today: Proceedings	43	623-628	2020
8	Ashok K. Dewangan, Anil Kumar and Ravi Kumar	Experimental Study of Bubble Behaviors during Boiling of a Hydrocarbon Refrigerant	International Journal of Thermal Sciences	166	1069-89	2021
9	H Kumar Pant M, P Pidge, L Nagdev	A review of additive manufacturing in aerospace application	Revue des Composites et des Matériaux Avancés	31	109-115	2021
10	Ajay Pratap Singh, Sanjoy K Ghoshal, Harish Kumar, Jonghun Yoon, Poonam Yadav	Development and Metrological Evaluation of a Force Transducer for Industrial Application	IEEE Access	9	33299-312	2021
11	Gunasekaran Prabakaran, Dhandapani Vaithiyathan, Harish Kumar	Fuzzy Decision Support System for the Outbreak of COVID-19 and Improving the People Livelihood	Evergreen	8	36-43	2021
12	R Arora, PK Arora, H Kumar, M Pant	Additive manufacturing enabled supply chain in combating COVID-19	Journal of Industrial Integration and Management	5	495-505	2020



# **Part – II**

## **Audit Report and Annual Accounts (2020 – 2021)**







**CHANDIWALA VIRMANI & ASSOCIATES**  
Chartered Accountants

43, IInd Floor, Near Delhi Gate Police Station  
Daryaganj, New Delhi-110002  
011-43587399  
@ chandiwalaagupta@yahoo.com  
www.chandiwalaavirmani.in

### Compilation Report

We have compiled the attached **Balance Sheet of National Institute of Technology, Delhi** at 31<sup>st</sup> March, 2021 and also **The Income and Expenditure Account and The Receipt and Payment Account** of the Institute for the year ended 31.03.2021 included in the accompanying prescribed form and accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with accounting principles generally accepted in India.

Management is responsible for the preparation and fair presentation of the financial statements included in the form prescribed by Government of India, Ministry of Education in accordance with accounting principles generally accepted in India and for designing, implementing and maintaining internal control relevant to the preparation and fair presentation of the financial statements.

Our responsibility is to conduct the compilation in accordance with generally accepted Accounting Principles issued by Institute of Chartered Accountant of India. The objective of a compilation is to assist management in presenting financial information in the form of financial statements without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial statements.

The Financial Statements included in the accompanying prescribed form are presented in accordance with requirements of Government of India, Ministry of Education, and are not intended to be a presentation in accordance with accounting principles generally accepted in India.

This report is intended solely for the information and use of National Institute of Technology, Delhi and is not intended to be and should not be used by anyone other than these specified parties.

**For Chandiwala Virmani & Associates**  
Chartered Accountants

FRN-000082N



**CA Bharat Bhushan Jain**  
Partner

M. No. :- 087365

Place of signing :- New Delhi

Date :- 27<sup>th</sup> October, 2021



NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Balance Sheet as at 31.03.2021

Sources Of Funds		Schedule	Current Year	Amount in Rs. Previous Year
Corpus/Capital Fund		1	2,54,64,89,515	2,15,21,55,056
Designated/Earmarked/Endowment Funds		2	7,04,93,092	5,33,27,905
Current Liabilities And Provisions		3	80,28,53,133	95,57,77,794
Total			3,41,98,35,740	3,16,12,60,755
Application Of Funds		Schedule	Current Year	Previous Year
Fixed Assets				
Tangible Assets	7,35,55,187			
Intangible Assets	1			
Capital Works-In-Progress	2,11,22,98,565	4	2,18,58,53,753	1,87,64,82,733
Investments - From Earmarked/Endowment Funds		5	-	-
Long Term			-	-
Short Term			-	-
Investments - Others		6	-	-
Current Assets		7	1,05,03,50,724	1,06,35,93,698
Loans, Advances & Deposits		8	18,36,31,263	22,11,84,324
Total			3,41,98,35,740	3,16,12,60,755
Significant Accounting Policies		23		
Notes On Accounts and Contingent Liabilities		24		

  
Accountant  
NIT Delhi

  
Asstt.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Income And Expenditure Account For The Year Ended On 31.03.2021

		Amount in Rs.	
Income	Schedule	Current Year	Previous Year
Academic Receipts	9	5,13,35,086	5,44,09,415
Grants/Subsidies/IRG	3c	23,21,92,141	24,02,23,530
Income from Investments	11	2,80,52,526	2,78,30,128
Interest Earned	12	58,84,948	2,23,406
Other Income	13	90,03,045	1,08,71,952
Prior Period Income	14	16,35,240	16,30,235
<b>Total</b>		<b>32,81,02,986</b>	<b>33,51,88,666</b>
Expenditure	Schedule	Current Year	Previous Year
Staff payments & benefit(Establishments Expenses)	15	10,42,35,579	8,92,84,721
Academic Expenses	16	6,09,690	29,19,995
Administrative and General Expenses	17	13,19,62,146	13,58,77,798
Transportation Expenses	18	8,21,671	63,45,968
Repair and Maintenance	19	35,52,609	31,36,275
Finance Cost	20	21,194	28,196
Depreciation	4	1,31,49,312	2,20,99,727
Other Expenses	21	-	-
Prior Period Expenses	22	7,18,468	55,50,572
<b>Total</b>		<b>25,50,70,669</b>	<b>26,52,43,252</b>
Balance being excess of Income over Expenditure		7,30,32,317	6,99,45,414
<b>Balance Being Surplus/Deficits Carried To Capital/Corpus Fund</b>		<b>7,30,32,317</b>	<b>6,99,45,414</b>

  
Accountant  
NIT Delhi

  
Asstt.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Receipt & Payment Account For The Year Ended On 31.03.2021

				Amount in Rs.	
Receipts	Current Year	Previous Year	Payments	Current Year	Previous Year
<b>I Opening Balance</b>			<b>I Expenses</b>		
(1) Cash Balance (Include Imprest)	7,89,742	5,60,948	— Establishment Expenses	9,54,03,798	7,84,36,918
(2) Bank Accounts			— Academic Expenses	6,29,694	29,04,599
— in Schedule Banks	86,73,01,412	29,54,64,223	— Administration Expenses	12,61,41,944	14,71,21,113
— in Deposit Accounts	19,45,92,008	18,79,17,913	— Transportation Expenses	8,21,671	63,45,948
<b>II Grant Received (Sch-2(a))</b>			— Repair & Maintenance Expenses	35,52,609	31,36,275
— Grant from Central Government	42,26,41,317	1,35,71,58,683	— Finance Cost	21,194	28,196
<b>III Academic Receipts</b>	5,13,35,086	5,44,09,415	— Other Expenses	-	-
			— Prior Period Expenses	7,18,468	55,50,572
<b>IV Security Deposit from Students</b>			<b>II Payment Against Earmarked/Endowment Fund</b>	7,12,228	40,59,118
— Increase in Hostel Security Deposit	4,80,000	4,90,000	<b>III Payment Against Sponsored Projects</b>	2,21,28,257	1,00,87,788
— Increase in Mess Security Deposit	4,80,000	4,90,000	<b>IV Payment Against Sponsored Fellowship and Scholarship</b>		
— Increase in Caution Money	37,00,000	8,66,000	<b>V Investments and Deposit made</b>		
<b>V Receipts Against Earmarked/Endowment Fund</b>			— Out of Earmarked/Endowments Funds		
— Institute Development Funds	57,54,000	47,34,000	— Out of Own Funds		
— Games Fund Sports and Culture Funds	41,31,500	39,60,800	<b>VI Term Deposit with Schedule</b>		
— Students Aid and Welfare Funds Funds	10,31,500	7,89,000	<b>VII Expenditure On Fixed Assets and Capital</b>		
— Students Club	-	-	— Fixed Assets	2,89,081	19,40,478
— Medical Funds	9,76,915	7,93,000	— Capital Works In Progress	32,10,13,061	64,47,02,533
— Library and Books Bank	21,21,000	18,93,600	<b>VIII Other Payment Include Statutory Payment</b>		
— Industrial Training & Placement	17,25,500	14,21,800	<b>IX Refund Of Grants</b>		
— Alumni Association	2,30,000	2,52,000	<b>X Deposits &amp; Advance</b>	-	47,983
— Examination Funds	19,57,000	15,78,000	<b>XI Other Payments</b>		
— Startup Fund	-	1,56,042	— Time Bared Cheque	-	2,13,109
— Faculty Dev. Prog.	-	-	— Payments of EMD	12,80,000	3,20,000
— Tech Fest	-	-	— Payable to Students	-	-
— Dasa Students Fund	-	-	— Other Payments	-	3,77,110
<b>VI Receipts Against Sponsored Projects</b>	86,96,392	1,07,41,600	— Payment of Security Deposits	30,000	-
<b>VII Receipts Against Sponsored Fellowship and Scholarship</b>			— Payment of Statutory due (Net)	-	-
<b>VIII Income On Investments</b>			— Project expense	3,72,540	-
— Earmarked/Endowments Funds	-	-	<b>XII Closing Balance</b>		
— Other investments	2,52,49,675	2,80,49,263	(1) Cash Balance (Include Imprest)	8,20,149	7,89,742
<b>IX Interest Received on</b>			(2) Bank Accounts		
— Bank Deposit	-	-	— in Schedule Banks	54,26,60,356	86,73,01,412
— Loan & Advance	-	-	— in Deposit Accounts	50,42,57,518	19,45,92,008
— Saving Bank Accounts	58,84,948	2,27,002			
<b>X Investments encashed</b>					
<b>XI Term Deposits with Scheduled Banks encashed</b>					
<b>XII Other Income (Including Prior Period Income)</b>	94,20,095	1,25,02,187			
<b>XIII Deposits and Advances</b>	1,11,28,704	-			
<b>XIV Miscellaneous Receipts including Statutory Dues</b>	9,96,595	6,98,753			
<b>XV Any Other Receipts</b>					
— Excess received from Students	12,43,664	31,34,525			
— Received of EMD and security deposit	5,47,150	1,64,168			
— Increase in Time Bared Cheque	4,15,025	-			
— Other Receipts	2,33,358	-			
<b>Total</b>	<b>1,42,30,52,588</b>	<b>1,94,99,74,922</b>	<b>Total</b>	<b>1,42,30,52,588</b>	<b>1,94,99,74,922</b>

Accountant  
NIT Delhi

Asst. Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







## NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Annexure to Receipt &amp; Payment Account For The Year Ended On 31.03.2021

S.No.	Particulars	Amount in Rs.
1	<b>Academic Receipts</b>	
	As per Income & Exp. A/c	5,13,35,086
	Add: Fee Outstanding during last year	-
	Add-Excess Fee Received	-
	Add: Advance Received during the year	-
		<u>5,13,35,086</u>
	Less-Excess Fee Received	-
	Less: Advance received during previous year	-
	Less: Fee Outstanding during the year	-
	<b>Balance To Receipts &amp; Payments A/c</b>	<u><b>5,13,35,086</b></u>
2	<b>Other Income</b>	
	As per Income & Exp. A/c	1,06,38,285
	Add: Advance Received during the year	-
		<u>1,06,38,285</u>
		12,18,190
	Less: Advance received during previous year	-
	<b>Balance To Receipts &amp; Payments A/c</b>	<u><b>94,20,095</b></u>
3	<b>Receipts Against Sponsored Projects</b>	
	As per Sch-3(A)	84,96,392
	<b>Balance To Receipts &amp; Payments A/c</b>	<u><b>84,96,392</b></u>
	Payments Against Sponsored Projects	2,21,28,257
	<b>Balance To Receipts &amp; Payments A/c</b>	<u><b>2,21,28,257</b></u>
4	<b>EMD</b>	
	Add: Recd. During the year	-
	Less: Refunded during the year	-
5	<b>Establishment Expenses</b>	
	As per Income & Exp. A/c	10,42,35,579
	Add:- Provision for the year 2019-20	1,73,96,441
	Add:- Festival Advance 19-20	-
		<u>12,16,32,020</u>
	Less:- Festival Advance 19-20	-
	Less:- Provision for the year 2020-21	2,60,28,222
	<b>Balance To Receipts &amp; Payments A/c</b>	<u><b>9,56,03,798</b></u>
6	<b>Academic Expenses</b>	
	As per Income & Exp. A/c	6,09,690
	Add:- Provision for the year 2019-20	2,02,555
	Less:- Payment Yet to be made to Creditors	-
	Add:- Prepaid Expenses 2019-20	-
		<u>8,12,245</u>
	Less:- Prepaid Expenses 2020-21	-
	Less:- Provision for the year 2020-21	1,82,551
	<b>Balance To Receipts &amp; Payments A/c</b>	<u><b>6,29,694</b></u>
7	<b>Administration Expenses</b>	
	As per Income & Exp. A/c	13,19,62,146
	Add:- Provision for the year 2019-20	71,75,616
	Add:- Payment made to Opening Creditors	1,97,365
	Add:- Prepaid Expenses 2019-20	(11,19,466)
	Add:- Closing Stock	4,97,944
		<u>13,87,13,605</u>
	Less:- Provision for the year 2020-21	1,15,46,201
	Less:- Payment Yet to be made to Creditors	1,96,594
	Less:- Opening Stock	8,28,866
	<b>Balance To Receipts &amp; Payments A/c</b>	<u><b>12,61,41,944</b></u>
8	<b>Intt. Recd. On Deposits</b>	
	As per Income & Exp. A/c	58,84,948
	Add: Accrued of Last Year 2019-20	-
		<u>58,84,948</u>
	Less: Accrued during the year 2020-21	-
	<b>Balance To Receipts &amp; Payments A/c</b>	<u><b>58,84,948</b></u>





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Fund/Corpus Fund

Schedule 1

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
<b>A</b>	Balance at the beginning of the year	1,87,61,85,974	1,40,15,41,898
	Add: Contributions towards Corpus/Capital Fund	-	-
	Add: Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure	32,13,02,142	64,66,67,754
	Add: Assets Purchased out of Earmarked Funds	-	-
	Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution	-	-
	Add: Assets Donated/Gifts Received	-	-
	Less: Accumulated Depreciation upto 31.03.20 (trf from S.No. B below)	-	(14,96,22,448)
	Less: Depreciation for the FY 2020-21	(1,31,49,312)	(2,20,99,727)
	Less: Loss on fixed asset	-	(3,01,503)
	Add: Other Additions	-	-
	<b>Total (A)</b>	<b>2,18,43,38,804</b>	<b>1,87,61,85,974</b>
<b>B</b>	Suplus/(Deficit) Opening Balance	27,59,69,082	3,43,01,493
	(Less): Excess of Expenditure over Income transferred from the Income & Expenditure Account	-	-
	<b>Add: Excess of Income over Expenditure transferred from the Income &amp; Expenditure Account</b>	-	-
	Excess of Academic Income over Academic Expenditure	5,07,25,396	-
	Others	2,23,06,921	6,99,45,414
	Add: Grants from UGC, Government of India and State Government to the extent utilized for Revenue Expenditure	-	-
	Add: Accumulated Depreciation upto 31.03.2020 (trf to S.No. A above)	-	14,96,22,448
	Add: Depreciation for the FY 2020-21	1,31,49,312	2,20,99,727
	Less-Amount Transferred for Development for	-	-
	Less-Amount Transferred to Unutilized Grant	-	-
	<b>Total (B)</b>	<b>36,21,50,711</b>	<b>27,59,69,082</b>
	<b>Total (A+B)</b>	<b>2,54,64,89,515</b>	<b>2,15,21,55,056</b>

01

Accountant  
NIT Delhi

Manishalingh

Asstt.Registrar  
NIT Delhi

Pravin Kumar

Registrar  
NIT Delhi

AS

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI  
Endowment Fund

Schedule 2

Amount in Rs.

Schedule -2 Endowment/Endowment Fund	Alumni Association	Industrial Training & Placement	Institute Dev. Fund	Library & Book Bank	Games, Sports and Culture Funds	Students Aid and Welfare Funds	Examination Funds	DATA Students Funds	Students Club	Medical Fund	Tech Fest	Startup Fund	Total	
													Current Year	Previous Year
A. Opening Balance	15,86,300	46,15,000	3,31,33,000	41,21,741	97,43,343	19,27,578	34,36,300	1,50,000	1,22,138	30,79,181	2,08,974	-	8,33,27,900	4,38,08,780
B. Received during the year	3,30,000	17,25,000	37,34,000	21,21,000	41,31,800	10,21,000	19,07,000	-	-	9,74,813	-	-	1,78,79,413	1,51,78,340
C. Income from investments made of the funds	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D. Acquired interest on the investments/Advance	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E. Interest on Loans/ Bank Bal.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (A)	19,16,300	63,40,000	7,08,67,000	62,42,741	1,38,75,143	29,48,578	53,43,300	1,50,000	1,22,138	40,54,000	2,08,974	-	7,12,06,300	6,93,87,000
F. Withdrawals for specific objects of the funds	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G. Capital Expenditure	-	-	-	-	-	-	1,04,142	-	-	2,67,307	-	-	7,12,228	-
H. Revenue Expenditure	-	-	-	-	1,15,789	-	1,04,142	-	-	4,97,297	-	-	7,12,228	40,58,118
Total (B)	-	-	-	-	1,15,789	-	1,04,142	-	-	2,67,307	-	-	7,12,228	40,58,118
Closing balance at the year end (A-B)	19,16,300	63,40,000	7,08,67,000	62,42,741	1,37,59,354	29,48,578	52,39,158	1,50,000	1,22,138	37,86,693	2,08,974	-	7,04,94,072	6,53,28,882

Accountant  
NIT Delhi

Ansh Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Endowment Funds

Schedule 2(A)

Amount in Rs.

1. Sr. No.	2. Name of the Endowment	Opening Balance as on 01.04.2019		Additions during the Year		Total		Expenditure on the object during the year	Closing Balance as on 31.03.2020		Total (10+11)
		3. Endowment	4. Accumulated Interest	5. Endowment	6. Interest	7. Endowment (3+5)	8. Accumulated Interest (4+6)	9.	10. Endowment	11. Accumulated Interest	
		-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-

Accountant  
NIT Delhi

Asstt.Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





## NATIONAL INSTITUTE OF TECHNOLOGY DELHI

## Current Liabilities and Provisions

Schedule 3

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
<b>A</b>	<b>Current Liabilities</b>		
1	Deposits From Staff	-	-
2	Deposits from Students		
a)	Hostel Security	65,70,500	60,90,500
b)	Mess Security	65,60,000	60,80,000
c)	Library & Lab Security	1,22,000	1,22,000
d)	Students Co-op. Security	39,050	39,050
e)	Security Deposit Students (Caution Money)	1,27,17,419	90,17,419
f)	Tuition Fee Received in advance	-	-
g)	Hostel Rent from Students (Advance)	-	-
h)	Admin Processing Fees (Advance)	-	-
i)	Computer/Internet Fees Received (Advance)	-	-
j)	Scholarship Payable	10,91,200	9,82,201
k)	Excess Fee Received	35,26,999	23,52,334
l)	Other payable to Students	7,84,171	8,04,171
		3,14,11,340	2,54,87,675
3	Sundry Creditors:		
a)	For Goods (Annexure 'A')	1,21,070	1,21,070
b)	Others (Annexure 'A')	75,524	76,295
		1,96,594	1,97,365
4	Deposit-others (including, EMD, Security Deposit) Annexure 'D'	10,64,065	10,64,065
		18,06,915	18,06,915
5	Statutory Liabilities: (TDS, GPF, WC Tax, CPF, GIS, NPS)		
a)	Overdue	-	-
b)	Others Annexure 'B'	34,03,924	26,77,818
		26,77,818	26,77,818
6	Other current Liabilities		
a)	Salary	-	-
b)	Receipts against Sponsored Projects (Schedule 3A)	64,43,088	1,98,74,953
c)	Receipts against Sponsored Fellowships & Scholarships (Sch-3B)	-	-
d)	Unutilised Grants (Sch-3C)	72,09,17,255	87,96,11,538
e)	Grants In Advance	-	-
f)	Time Barred Cheques	13,00,918	8,85,893
g)	Education Loan	-	-
h)	Overhead Charges	-	-
i)	Outstanding Exp Annexure 'C'	1,72,92,627	74,59,53,888
		1,35,31,841	91,39,04,225
	<b>Total (A)</b>	<b>78,20,29,810</b>	<b>94,40,73,997</b>
<b>B</b>	<b>Provisions</b>		
1	For Taxation	-	-
2	Gratuity	91,21,459	46,09,705
3	Superannuation Pension	-	-
4	Accumulated Leave/Encashment	1,17,01,864	70,94,092
5	Trade Warranties/Claims	-	-
6	Others (Specify)	-	-
		2,08,23,323	1,17,03,797
	<b>Total (B)</b>	<b>2,08,23,323</b>	<b>1,17,03,797</b>
	<b>Total (A+B)</b>	<b>80,28,53,133</b>	<b>95,57,77,794</b>

Accountant  
NIT Delhi

Asstt. Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Sponsored Projects

Schedule 3(A)(i)

Amount in Rs.

S.No.	Name of the Project	Opening Balance as on 01.04.2020		Receipts/Recoveries during the year	Total	Expenditure/ transfer during the year	Closing Balance as on 31.03.2021	
		Credit	Debit				Credit	Debit
1	NMFICT Awareness	7,20,000	-	-	7,20,000	-	7,20,000	-
2	DST Project Inspire Faculty (Dr. Suran Shrivastava)	4,74,014	-	-	4,74,014	3,48,183	1,25,831	-
3	DST Project NITD/DST/ASCH/02 (Dr. AP Singh)	-	-	-	-	-	-	-
4	DST-TD/DP-09/2018-G (Dr. Gyanendra Sheoran)	51,44,947	-	1,09,825	52,54,772	43,83,309	8,71,463	-
5	DST-TD/SHR-07/2018 (Dr. Gyanendra Sheoran)	49,10,094	-	50,42,904	99,52,998	86,73,460	12,79,538	-
6	SERB Project - AS-CH03 (Dr. AP Singh)	19,257	-	-	19,257	19,257	-	-
7	Seed Grant (Dr. AP Singh)	-	-	-	-	-	-	-
8	Linear and Non Linear Stability Analysis	1,44,264	-	-	1,44,264	-	1,44,264	-
9	MHRD Project	11,180	-	-	11,180	-	11,180	-
10	Project for development of Naval Metal	-	-	-	-	-	-	-
11	CSR-Anuj Kumar Sharma	75,508	-	60,549	1,36,057	58,280	77,777	-
12	CSR- Amit Mahajan	(46,800)	-	-	(46,800)	-	(46,800)	-
13	SERB/ECR/2016/1141 (Dr. Anmol Rana Saxena)	12,22,979	-	4,64,372	16,87,351	13,66,874	3,20,477	-
14	SERB DST - Dr. Prashant Kumar	2,35,417	-	5,868	2,41,285	1,93,136	48,149	-
15	SERB DST - Dr. Rikmantra Basu	12,60,619	-	11,71,791	24,32,410	22,68,493	1,63,917	-
16	Special Man Power Development Project fund	13,76,848	-	-	13,76,848	1,24,903	11,81,945	-
17	BRNS - (Dr. Vivek Shrivastava)	-	-	-	-	-	-	-
18	LASTEC-I/P/BU/REV (Dr. Gyanendra Sheoran)	-	-	-	-	-	-	-
19	MOES-36/DOIS (Dr. Prashant Kumar)	19,53,618	-	5,55,549	25,09,167	22,23,099	2,86,068	-
20	Unnat Bharat Project (Dr. Parveen Kumar)	5,00,000	-	-	5,00,000	5,00,000	-	-
21	Seed Grant (Dr. Gyanendra Sheoran)	-	-	-	-	-	-	-
22	Seed Grant (Dr. Sachin Singh)	-	-	-	-	-	-	-
23	Seed Grant (Dr. Tripathi Raju Kanumti)	-	-	-	-	-	-	-
24	CSR (Ms Vinita)	27,482	-	-	27,482	-	27,482	-
25	DST/INT/DAAA/P-20/2019 Dr. Sachin Singh	1,23,500	-	-	1,23,500	-	1,23,500	-
26	Project Stability and Convention in Magnetic Nanofluid-Dr.Amit Mahajan	-	-	-	-	-	-	-
27	SERB - Dr. Anuj Sharma	6,87,296	-	1,20,534	8,07,830	6,76,997	1,80,833	-
28	SERB - Anurag Singh	1,77,802	-	1,05,154	2,82,956	2,49,249	33,707	-
29	Unnat Bharat Project (Dr. Kapil Kumar)	27,520	-	-	27,520	2,000	25,520	-
30	Anurag Singh Matrix Spl	-	-	4,34,831	4,34,831	3,40,953	93,878	-
Total		1,90,45,547	-	81,21,397	2,71,66,944	2,14,98,193	56,68,751	-

Sponsored Programmes

Schedule 3(A)(ii)

Amount in Rs.

S.No.	Name of the Programme	Opening Balance as on 01.04.2020		Receipts/Recoveries during the year	Total	Expenditure during the year	Closing Balance as on 31.03.2021	
		Credit	Debit				Credit	Debit
1	DST Brainstorming Committee Fund	3,76,112	-	-	3,76,112	-	3,76,112	-
2	FDP Programme	22,030	-	36,445	58,475	47,500	10,975	-
3	Research Scholar Day 2017	8,758	-	-	8,758	-	8,758	-
4	Faculty Development Programme	1,02,020	-	-	1,02,020	-	1,02,020	-
5	Sentience 2019	1,42,335	-	1,18,000	2,60,335	2,36,000	24,335	-
6	AICTE Exam	-	-	-	-	-	-	-
7	NCAME 2018	1,72,351	-	-	1,72,351	-	1,72,351	-
8	Red cross society	5,800	-	4,750	10,550	-	10,550	-
9	STC Nampal 2020	-	-	1,60,600	1,60,600	1,60,600	-	-
10	STIP Conference	-	-	63,200	63,200	-	63,200	-
11	AICTE ATAL FDP	-	-	1,92,000	1,92,000	1,85,964	6,036	-
Total		8,29,406	-	5,74,995	14,04,401	6,30,064	7,74,337	-

Accountant  
NIT Delhi

Date: 27.10.2021  
Place: Delhi

Assst.Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Sponsored Fellowships And Scholarships

Schedule 3(B)

Amount in Rs.

S.No.	Name of Sponsor	Opening Balance As On 01.04.2020		Transactions During the year		Closing Balance as On 31.03.2021	
		3	4	5	6	7	8
		CR.	DR.	CR.	DR.	CR.	DR.
1	University Grants Commission	-	-	-	-	-	-
2	Ministry	-	-	-	-	-	-
3	Grant Received CISR	-	-	-	-	-	-
4	Grant Received (Mumbai)	-	-	-	-	-	-
	<b>Total</b>	-	-	-	-	-	-

  
Accountant  
NIT Delhi

  
Asstt.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Unutilised Grants From Government of India

Schedule 3(C.)

Particulars	Amount in Rs.	
	Current Year	Previous Year
<b>A. Plan grants:</b>		
Balance B/F	87,96,11,538	38,15,02,822
Add: Receipts during the year	-	-
:Received during the year	39,48,00,000	1,35,71,58,683
:Accrued but Not received	-	2,78,41,317
:Seed Money transferred back to Unutilized Grant	-	-
:Transferred from Corpus Fund	-	-
<b>Total(a)</b>	<b>1,27,44,11,538</b>	<b>1,76,65,02,822</b>
Less Refunds	-	-
Less: Utilized for Revenue Expenditure	23,21,92,141	24,02,23,530
Less: Utilized for Capital expenditure	32,13,02,142	64,66,67,754
Less: Transferred to projects	-	-
<b>Total (b)</b>	<b>55,34,94,283</b>	<b>88,68,91,284</b>
<b>Unutilized carried forward (a-b)</b>	<b>72,09,17,255</b>	<b>87,96,11,538</b>
<b>B. UGC grants</b>		
Balance B/F	-	-
Add: Receipts during the year	-	-
<b>Total(c)</b>	-	-
Less Refunds	-	-
Less: Utilized for Revenue Expenditure	-	-
Less: Utilized for Capital expenditure	-	-
<b>Total (d)</b>	-	-
<b>Unutilized carried forward (c-d)</b>	-	-
<b>C. UGC Grants Non Plan Balance B/F Receipts during the year</b>		
Balance B/F	-	-
Add: Receipts during the year	-	-
<b>Total(e)</b>	-	-
Less Refunds	-	-
Less: Utilized for Revenue Expenditure	-	-
Less: Utilized for Capital expenditure	-	-
<b>Total (f)</b>	-	-
<b>Unutilized carried forward (e-f)</b>	-	-
<b>D. Grants from State Govt.</b>		
Balance B/F	-	-
Add: Receipts during the year	-	-
<b>Total(g)</b>	-	-
Less Refunds	-	-
Less: Utilized for Revenue Expenditure	-	-
Less: Utilized for Capital expenditure	-	-
<b>Total (h)</b>	-	-
<b>Unutilized carried forward (g-h)</b>	-	-
<b>Grand Total (A+B+C+D)</b>	<b>72,09,17,255</b>	<b>87,96,11,538</b>

Accountant  
NIT Delhi

Asstt.Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Road Assets

Amount in ₹.

Schedule 4

S.No.	Assets	Gross Work				Depreciation Work				Net Work		
		Cost as on 01.04.2020	Addition	Deductions	Total	Dep. Rate 31.03.2020	Depreciation Adjustment	Add. During the Year	Rate of Dep.	Total Depreciation	Balance as on 31.03.2021	Balance as on 31.03.2020
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>A</b>	<b>Intangible Assets (A)</b>											
1	Goodwill											
2	Patents											
3	Copyrights											
4	Software											
5	Other Intangible Assets											
<b>B</b>	<b>Office &amp; Office Equipments</b>											
1	Land											
2	Buildings											
3	Office Equipments											
4	Office Furniture											
5	Office Appliances											
6	Office Furniture											
7	Office Appliances											
8	Office Furniture											
9	Office Appliances											
10	Office Furniture											
11	Office Appliances											
12	Office Furniture											
13	Office Appliances											
14	Office Furniture											
15	Office Appliances											
16	Office Furniture											
17	Office Appliances											
18	Office Furniture											
19	Office Appliances											
20	Office Furniture											
21	Office Appliances											
22	Office Furniture											
23	Office Appliances											
24	Office Furniture											
25	Office Appliances											
26	Office Furniture											
27	Office Appliances											
28	Office Furniture											
29	Office Appliances											
30	Office Furniture											
31	Office Appliances											
32	Office Furniture											
33	Office Appliances											
34	Office Furniture											
35	Office Appliances											
36	Office Furniture											
37	Office Appliances											
38	Office Furniture											
39	Office Appliances											
40	Office Furniture											
41	Office Appliances											
42	Office Furniture											
43	Office Appliances											
44	Office Furniture											
45	Office Appliances											
46	Office Furniture											
47	Office Appliances											
48	Office Furniture											
49	Office Appliances											
50	Office Furniture											
51	Office Appliances											
52	Office Furniture											
53	Office Appliances											
54	Office Furniture											
55	Office Appliances											
56	Office Furniture											
57	Office Appliances											
58	Office Furniture											
59	Office Appliances											
60	Office Furniture											
61	Office Appliances											
62	Office Furniture											
63	Office Appliances											
64	Office Furniture											
65	Office Appliances											
66	Office Furniture											
67	Office Appliances											
68	Office Furniture											
69	Office Appliances											
70	Office Furniture											
71	Office Appliances											
72	Office Furniture											
73	Office Appliances											
74	Office Furniture											
75	Office Appliances											
76	Office Furniture											
77	Office Appliances											
78	Office Furniture											
79	Office Appliances											
80	Office Furniture											
81	Office Appliances											
82	Office Furniture											
83	Office Appliances											
84	Office Furniture											
85	Office Appliances											
86	Office Furniture											
87	Office Appliances											
88	Office Furniture											
89	Office Appliances											
90	Office Furniture											
91	Office Appliances											
92	Office Furniture											
93	Office Appliances											
94	Office Furniture											
95	Office Appliances											
96	Office Furniture											
97	Office Appliances											
98	Office Furniture											
99	Office Appliances											
100	Office Furniture											
<b>C</b>	<b>Intangible Assets (C)</b>											
1	Goodwill											
2	Patents											
3	Copyrights											
4	Software											
5	Other Intangible Assets											
<b>D</b>	<b>Capital Works in Progress</b>											
1	Land											
2	Buildings											
3	Office Equipments											
4	Office Furniture											
5	Office Appliances											
6	Office Furniture											
7	Office Appliances											
8	Office Furniture											
9	Office Appliances											
10	Office Furniture											
11	Office Appliances											
12	Office Furniture											
13	Office Appliances											
14	Office Furniture											
15	Office Appliances											
16	Office Furniture											
17	Office Appliances											
18	Office Furniture											
19	Office Appliances											
20	Office Furniture											
21	Office Appliances											
22	Office Furniture											
23	Office Appliances											
24	Office Furniture											
25	Office Appliances											
26	Office Furniture											
27	Office Appliances											
28	Office Furniture											
29	Office Appliances											
30	Office Furniture											
31	Office Appliances											
32	Office Furniture											
33	Office Appliances											
34	Office Furniture											
35	Office Appliances											
36	Office Furniture											
37	Office Appliances											
38	Office Furniture											
39	Office Appliances											
40	Office Furniture											
41	Office Appliances											
42	Office Furniture											
43	Office Appliances											
44	Office Furniture											
45	Office Appliances											
46	Office Furniture											
47	Office Appliances											
48	Office Furniture											
49	Office Appliances											
50	Office Furniture											
51	Office Appliances											
52	Office Furniture											
53	Office Appliances											
54	Office Furniture											
55	Office Appliances											
56	Office Furniture											



Annual Report & Annual Accounts 2020-2021  
National Institute of Technology Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Fixed Assets

Schedule 4A

S.No.	Assets	Gross Block			Depreciation Block					Net Block		
		Cost as on 01.04.2020	Addition	Deductions	Total	Dep. Upto 31.03.2020	Add. During the Year	Deductions/Adjustments	Rate of Dep.	Total Depreciation	Balance as on 31.03.2021	Balance as on 31.03.2020
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>A Tangible Assets (A)</b>												
<b>a Equipments</b>												
1	Lab Equipments	3,63,34,183	-	-	3,63,34,183	1,24,98,253	29,22,733	-	0	1,54,20,986	3,11,13,193	3,40,31,932
2	Lab Equipments for Dept of ECE	99,83,481	-	-	99,83,481	30,26,706	7,98,398	-	0	38,25,304	61,57,177	69,82,173
3	Lab Equipments for Dept of EEE	71,97,493	-	-	71,97,493	20,37,894	3,75,831	-	0	25,23,725	43,94,168	51,48,949
4	Equipments	43,76,974	-	-	43,76,974	17,39,015	3,63,678	-	0	21,02,693	24,63,881	28,31,538
5	Lab Equipments for Dept of AI	10,11,428	-	-	10,11,428	1,61,828	80,914	-	0	2,42,742	7,68,686	8,49,600
6	Printing Machine	-	-	-	-	-	-	-	0	-	-	-
<b>b Office &amp; Office Equipments</b>												
1	Air Conditioners	62,76,835	-	-	62,76,835	26,14,861	4,67,014	-	0	30,81,875	31,44,975	36,11,989
2	Biometric Machine	87,283	-	-	87,283	22,341	6,548	-	0	41,887	45,385	51,427
3	Biode Server	29,61,183	-	-	29,61,183	13,54,672	2,22,089	-	0	17,76,712	11,84,673	14,04,362
4	CCTV Camera	10,21,943	-	-	10,21,943	3,67,810	76,647	-	0	4,38,457	3,63,208	6,02,133
5	Compaq	74,853	-	-	74,853	28,075	5,614	-	0	33,689	41,169	49,163
6	Office Machine	98,438	-	-	98,438	44,298	7,383	-	0	51,681	46,757	54,140
7	Digital Copier Machine	33,80,372	-	-	33,80,372	9,61,632	1,78,343	-	0	11,40,196	12,40,376	14,18,919
8	Printing Machine	31,300	-	-	31,300	16,341	2,362	-	0	18,704	12,386	14,618
9	Printing Machine	91,000	-	-	91,000	28,500	7,175	-	0	35,675	59,325	66,300
10	Printer	8,09,277	-	-	8,09,277	2,63,074	60,561	-	0	3,23,635	4,85,742	5,33,303
11	Grass Cutting Machine	34,430	-	-	34,430	19,407	4,084	-	0	23,491	30,929	35,043
12	Kitchen Appliances	20,37,986	-	-	20,37,986	10,63,908	1,54,349	-	0	12,18,257	8,39,729	9,94,078
13	Lawn Mower	4,173	-	-	4,173	4,354	709	-	0	4,963	5,712	6,921
14	Library Books	77,76,749	-	-	77,76,749	48,35,148	7,71,471	-	0	56,06,619	23,79,148	20,92,323
15	Library Equipments	28,16,778	-	-	28,16,778	13,32,023	2,35,362	-	0	15,77,385	12,39,384	14,64,726
16	Media Player	2,69,250	-	-	2,69,250	1,15,376	20,194	-	0	1,35,570	1,33,060	1,33,974
17	Microcameras	20,130	-	-	20,130	3,944	1,562	-	0	5,506	14,230	15,177
18	Mobile Phone & Telephone Set	3,81,499	-	-	3,81,499	1,53,618	43,827	-	0	1,97,545	2,84,454	4,78,081
19	Motorised Screen	88,000	-	-	88,000	48,000	6,400	-	0	54,400	33,600	41,800
20	Musical Instruments	1,00,000	-	-	1,00,000	30,000	5,000	-	0	35,000	65,000	70,000
21	Office Equipments	30,14,661	-	-	30,14,661	14,45,362	3,26,100	-	0	16,71,462	13,43,199	15,49,299
22	Refrigerator	1,34,300	-	-	1,34,300	7,348	9,338	-	0	14,686	1,19,614	1,28,952
23	BD System	2,75,110	-	-	2,75,110	1,13,471	20,633	-	0	1,34,104	1,39,439	1,39,439
24	Room Heaters	1,93,736	-	-	1,93,736	71,511	14,437	-	0	85,948	1,08,788	1,20,245
25	Shredder Machine	3,32,309	-	-	3,32,309	1,31,625	24,916	-	0	1,56,541	1,75,668	2,03,384
26	Television & LED	1,51,124	-	-	1,51,124	5,68,115	96,846	-	0	6,65,239	6,25,497	7,22,341
27	Telephone Set	20,99,634	-	-	20,99,634	6,79,894	1,13,476	-	0	7,93,370	13,12,264	14,49,728
28	Water Cooler	6,62,994	39,820	-	7,02,814	3,60,373	52,711	-	0	4,13,584	2,89,330	3,02,421
29	Web Camera	19,363	-	-	19,363	10,276	1,443	-	0	11,721	7,544	8,989
30	Security Equipments	10,14,963	-	-	10,14,963	3,08,240	76,872	-	0	3,85,112	6,39,851	7,16,373
31	Inverter	6,40,484	-	-	6,40,484	2,21,430	48,036	-	0	2,69,466	3,70,928	4,18,864
32	Air Purifier	1,13,004	-	-	1,13,004	23,000	6,400	-	0	29,400	78,604	86,804
33	Flood Light (LED)	38,600	-	-	38,600	4,960	2,143	-	0	6,103	32,497	34,310
34	Inverter battery	3,24,863	-	-	3,24,863	24,363	24,363	-	0	48,726	2,76,137	3,00,498
35	Scanner Machine	28,670	-	-	28,670	2,150	2,150	-	0	4,300	24,370	26,320
<b>c Furniture, Fixture &amp; Fittings</b>												
1	Cooler	38,100	-	-	38,100	14,260	2,858,00	-	0	17,148	20,952	23,810
2	Beating Installation	8,93,311	-	-	8,93,311	3,38,091	67,148	-	0	4,05,239	4,90,072	5,57,320
3	Exhaust Fan	98,832	-	-	98,832	48,637	7,414	-	0	56,051	42,781	50,193
4	Free Refrigerator	1,79,180	-	-	1,79,180	1,11,252	12,439	-	0	1,23,691	55,489	67,919
5	Furniture, Fixture & Fittings	3,53,26,811	-	-	3,53,26,811	1,54,78,546	26,49,496	-	0	1,81,27,442	1,71,98,869	1,98,48,363
6	LED Light	6,69,132	-	-	6,69,132	2,19,833	49,310	-	0	2,69,143	3,90,289	4,40,279
7	Painting Colors	33,20,321	-	-	33,20,321	10,22,123	2,64,062	-	0	12,86,185	20,34,136	24,88,508
8	Sign Board	8,53,971	-	-	8,53,971	1,62,624	41,548	-	0	2,04,172	3,49,799	3,91,347
9	Sanitary	1,31,682	-	-	1,31,682	39,264	9,376	-	0	48,640	83,042	92,178
<b>d Computer Peripherals</b>												
100	Computer	2,74,43,807	2,18,191	-	2,76,61,998	2,78,93,471	43,438	(2,19,862)	0	2,77,09,444	1,74,554	(2,19,862)
1	Printer	19,94,493	-	-	19,94,493	20,41,473	-	(47,080)	0	19,94,493	1	(47,080)
2	Projection	1,34,1,601	-	-	1,34,1,601	1,34,1,601	-	-	0	1,34,1,601	-	-
4	Network Equipments	1,30,36,176	-	-	1,30,36,176	1,38,98,920	-	(8,62,873)	0	1,30,36,176	1	(8,62,873)
500	UPS Battery	4,43,328	2,400	-	4,45,728	7,31,847	480	(88,200)	0	6,44,007	1,970	(88,200)
6	Server	82,14,693	-	-	82,14,693	63,71,736	16,43,939	-	0	82,14,693	-	16,43,939
<b>Total (A)</b>												
		19,12,74,471	2,89,081	-	19,15,63,552	10,64,87,181	5,25,49,374	(12,18,190)	-	11,80,08,345	7,28,55,186	8,44,17,240
<b>B Capital Works in Progress (B)</b>												
		1,79,12,85,904	33,10,13,061	-	2,12,23,08,965	-	-	-	-	-	3,11,22,98,945	1,79,12,85,904
<b>C Intangible Assets (C)</b>												
1	Software	4,35,37,475	-	-	4,35,37,475	4,29,68,226	3,29,148	-	0	4,35,37,474	-	3,29,148
2	E-journals	1,99,62,880	-	-	1,99,62,880	1,99,62,880	-	-	0	1,99,62,880	-	-
3	E-Office	20,22,128	-	-	20,22,128	20,22,128	-	-	0	20,22,128	-	-
4	Patents	28,500	-	-	28,500	28,500	-	-	0	28,500	-	-
5	License Fee Agreement	1,03,930	-	-	1,03,930	63,140	20,790	-	0	1,03,930	-	20,790
<b>Total (C)</b>												
		6,54,44,933	-	-	6,54,44,933	6,54,44,933	5,79,938	-	-	6,54,44,933	1	5,79,938
<b>Grand Total (A+B+C)</b>												
		2,64,82,04,908	33,13,02,142	-	2,97,95,07,050	17,17,22,178	1,31,49,312	(12,18,190)	-	18,24,53,297	3,18,08,63,733	1,87,44,82,733

Accountant  
NIT Delhi

Asst. Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Non Plan (Fixed Assets)

Schedule 4B

S.N. o.	Assets	Gross Block				Depreciation Block					Amount in Rs.	
		Cost as on 01.04.2020	Addition	Deductions	Total	Dep. Up to 31.03.2020	Add. During the Year	Deductions/ Adjustments	Rate of Dep.	Total Depreciation	Balance as on 31.03.2021	Balance as on 31.03.2020
1	2	3	4	5	6	7	8	9	10	11	12	13
A	Tangible Assets (A)	-	-	-	-	-	-	-	-	-	-	-
a	Equipments	-	-	-	-	-	-	-	-	-	-	-
1	Lab Equipments	-	-	-	-	-	-	-	-	-	-	-
b	Office & Office Equipments	-	-	-	-	-	-	-	-	-	-	-
1	Air Conditions	-	-	-	-	-	-	-	-	-	-	-
2	Biometric Machine	-	-	-	-	-	-	-	-	-	-	-
3	Biode Server	-	-	-	-	-	-	-	-	-	-	-
4	CCTV Camara	-	-	-	-	-	-	-	-	-	-	-
5	Coffee Machine	-	-	-	-	-	-	-	-	-	-	-
6	Digital Copier Machine	-	-	-	-	-	-	-	-	-	-	-
7	Forging Machine	-	-	-	-	-	-	-	-	-	-	-
8	Gyser	-	-	-	-	-	-	-	-	-	-	-
9	Kitchen Appliance	-	-	-	-	-	-	-	-	-	-	-
10	Lawn Remover	-	-	-	-	-	-	-	-	-	-	-
11	Library Books	-	-	-	-	-	-	-	-	-	-	-
12	Library Equipments	-	-	-	-	-	-	-	-	-	-	-
13	Media Player	-	-	-	-	-	-	-	-	-	-	-
14	Microwaves	-	-	-	-	-	-	-	-	-	-	-
15	Mobile Phone & Telephone Set	-	-	-	-	-	-	-	-	-	-	-
16	Motorised Screen	-	-	-	-	-	-	-	-	-	-	-
17	Musical Instruments	-	-	-	-	-	-	-	-	-	-	-
18	Office Equipments	-	-	-	-	-	-	-	-	-	-	-
19	Refrigerator	-	-	-	-	-	-	-	-	-	-	-
20	RO System	-	-	-	-	-	-	-	-	-	-	-
21	Room Heaters	-	-	-	-	-	-	-	-	-	-	-
22	Shredder Machine	-	-	-	-	-	-	-	-	-	-	-
23	Television & LED	-	-	-	-	-	-	-	-	-	-	-
24	Water Cooler	-	-	-	-	-	-	-	-	-	-	-
25	Web Camra	-	-	-	-	-	-	-	-	-	-	-
c	Furniture, Fixture & Fittings	-	-	-	-	-	-	-	-	-	-	-
1	Exhaust Fan	-	-	-	-	-	-	-	-	-	-	-
2	Electric Installation	-	-	-	-	-	-	-	-	-	-	-
3	Furniture, Fixture & Fittings	-	-	-	-	-	-	-	-	-	-	-
4	Sign Board	-	-	-	-	-	-	-	-	-	-	-
d	Computer Peripherals	-	-	-	-	-	-	-	-	-	-	-
1	Computer	-	-	-	-	-	-	-	-	-	-	-
2	Printers	-	-	-	-	-	-	-	-	-	-	-
3	Projectors	-	-	-	-	-	-	-	-	-	-	-
4	Network Equipments	-	-	-	-	-	-	-	-	-	-	-
5	Software	-	-	-	-	-	-	-	-	-	-	-
6	UPS Battery	-	-	-	-	-	-	-	-	-	-	-
	Total (A)	-	-	-	-	-	-	-	-	-	-	-
B	Capital Works in Proress(B)	-	-	-	-	-	-	-	-	-	-	-
C	Intangible Assets (C)	-	-	-	-	-	-	-	-	-	-	-
1	Computer Software	-	-	-	-	-	-	-	-	-	-	-
2	E-Journals	-	-	-	-	-	-	-	-	-	-	-
3	Patents	-	-	-	-	-	-	-	-	-	-	-
	Total (C)	-	-	-	-	-	-	-	-	-	-	-
	Grand Total (A+B+C)	-	-	-	-	-	-	-	-	-	-	-

Accountant  
NIT Delhi

Asstt. Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Intangible Assets

Schedule 4C

S. No.	Asset Heads	Gross Block				Depreciation Block				Amount in Rs.	
		Op. Balance	Additions	Deductions	Cl. Balance	Depreciation/Amortization Opening Balance	Depreciation/Amortization for the year	Deductions/Adjustment	Total Depreciation/Amortization	31.03.2021	31.03.2020
1	Software	4,35,27,475	-	-	4,35,27,475	4,29,68,326	5,59,148	-	4,35,27,474	1	5,59,149
2	E-Journals	1,99,62,880	-	-	1,99,62,880	1,99,62,880	-	-	1,99,62,880	-	-
3	E-Office	20,22,128	-	-	20,22,128	20,22,128	-	-	20,22,128	-	-
4	Patents	-	-	-	-	-	-	-	-	-	-
5	License Fee Agreement	28,500	-	-	28,500	28,500	-	-	28,500	-	-
6	Web Media Player	1,03,950	-	-	1,03,950	83,160	20,790	-	1,03,950	-	20,790
	Total	6,56,44,933	-	-	6,56,44,933	6,50,64,994	5,79,938	-	6,56,44,932	1	5,79,939

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Patents and Copyrights

Schedule 4 (C.)(i)

Amount in Rs.

Particulars	Op. Balance	Addition	Gross	Amortization	Net Block 2020-21	Net Block 2019-20
A. Patents Granted	-	-	-	-	-	-
Patents Granted during the Current year	-	-	-	-	-	-
Total	-	-	-	-	-	-
Particulars	Op. Balance	Addition	Gross	Patents Granted/Rejected	Net Block 2020-21	Net Block 2019-20
B. Patents Pending in respect of Patents applied for	-	-	-	-	-	-
Total	-	-	-	-	-	-
C. Grand Total (A+B)	-	-	-	-	-	-

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Other (Fixed Assets)

Schedule 4D

Amount in Rs.

S. No.	Assets Heads	Gross Block				Depreciation Block				Net Block		
		Cost as on 01.04.2020	Addition	Deductions	Total	Dep. Up to 31.03.2020	Add. During the Year	Deductions/ Adjustments	Rate of Dep.	Total Depreciation	Balance as on 31.03.2021	Balance as on 31.03.2020
1	2	3	4	5	6	7	8	9	10	11	12	13
A	Tangible Assets (A)	-	-	-	-	-	-	-	-	-	-	-
a	Equipments	-	-	-	-	-	-	-	-	-	-	-
1	Lab Equipments	-	-	-	-	-	-	-	-	-	-	-
b	Office & Office Equipments	-	-	-	-	-	-	-	-	-	-	-
1	Air Conditions	-	-	-	-	-	-	-	-	-	-	-
2	Biometric Machine	-	-	-	-	-	-	-	-	-	-	-
3	Blade Server	-	-	-	-	-	-	-	-	-	-	-
4	CCTV Camera	-	-	-	-	-	-	-	-	-	-	-
5	Coffee Machine	-	-	-	-	-	-	-	-	-	-	-
6	Digital Copier Machine	-	-	-	-	-	-	-	-	-	-	-
7	Forging Machine	-	-	-	-	-	-	-	-	-	-	-
8	Gyter	-	-	-	-	-	-	-	-	-	-	-
9	Kitchen Appliance	-	-	-	-	-	-	-	-	-	-	-
10	Lawn Remover	-	-	-	-	-	-	-	-	-	-	-
11	Library Books	-	-	-	-	-	-	-	-	-	-	-
12	Library Equipments	-	-	-	-	-	-	-	-	-	-	-
13	Media Player	-	-	-	-	-	-	-	-	-	-	-
14	Microwaves	-	-	-	-	-	-	-	-	-	-	-
15	Mobile Phone & Telephone Set	-	-	-	-	-	-	-	-	-	-	-
16	Motorised Screen	-	-	-	-	-	-	-	-	-	-	-
17	Musical Instruments	-	-	-	-	-	-	-	-	-	-	-
18	Office Equipments	-	-	-	-	-	-	-	-	-	-	-
19	Refrigerator	-	-	-	-	-	-	-	-	-	-	-
20	RO System	-	-	-	-	-	-	-	-	-	-	-
21	Room Heaters	-	-	-	-	-	-	-	-	-	-	-
22	Shredder Machine	-	-	-	-	-	-	-	-	-	-	-
23	Television & LED	-	-	-	-	-	-	-	-	-	-	-
24	Water Cooler	-	-	-	-	-	-	-	-	-	-	-
25	Web Camera	-	-	-	-	-	-	-	-	-	-	-
c	Furniture, Fixture & Fittings	-	-	-	-	-	-	-	-	-	-	-
1	Exhaust Fan	-	-	-	-	-	-	-	-	-	-	-
2	Electric Installation	-	-	-	-	-	-	-	-	-	-	-
3	Furniture, Fixture & Fittings	-	-	-	-	-	-	-	-	-	-	-
4	Sign Board	-	-	-	-	-	-	-	-	-	-	-
d	Computer Peripherals	-	-	-	-	-	-	-	-	-	-	-
1	Computer	-	-	-	-	-	-	-	-	-	-	-
2	Printers	-	-	-	-	-	-	-	-	-	-	-
3	Projectors	-	-	-	-	-	-	-	-	-	-	-
4	Network Equipments	-	-	-	-	-	-	-	-	-	-	-
5	Software	-	-	-	-	-	-	-	-	-	-	-
6	UPS Battery	-	-	-	-	-	-	-	-	-	-	-
	Total (A)	-	-	-	-	-	-	-	-	-	-	-
B	Capital Works in Progress (B)	-	-	-	-	-	-	-	-	-	-	-
C	Intangible Assets (C)	-	-	-	-	-	-	-	-	-	-	-
1	Computer Software	-	-	-	-	-	-	-	-	-	-	-
2	E-Journals	-	-	-	-	-	-	-	-	-	-	-
3	Patents	-	-	-	-	-	-	-	-	-	-	-
4	Total (C)	-	-	-	-	-	-	-	-	-	-	-
	Grand Total (A+B+C)	-	-	-	-	-	-	-	-	-	-	-

Accountant  
NIT Delhi

Asstt. Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Investments From Earmarked/Endowment Funds

Schedule 5

		Amount in Rs.			
S.No.	Particulars	Current Year		Previous Year	
1	In Centre Government Securities		-		-
2	In State Government Securities		-		-
3	Other approved Securities		-		-
4	Shares		-		-
5	Debentures and Bonds		-		-
6	Term Deposits with Banks		-		-
7	Others (to be specified)		-		-
	Total		-		-

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







## NATIONAL INSTITUTE OF TECHNOLOGY DELHI

### Investments From Earmarked/Endowment Funds (Fund Wise)

#### Schedule 5A

S. No.	Funds	Amount in Rs.	
		Current Year	Previous Year
1	Endowment Fund Investments	Nil	
	Total	Nil	

  
Accountant  
NIT Delhi

  
Asst.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





## NATIONAL INSTITUTE OF TECHNOLOGY DELHI

### Investment Others

#### Schedule 6

		Amount in Rs.	
S.No.	Particulars	Current Year	Previous Year
1	In Centre Government Securities	-	-
2	In State Government Securities	-	-
3	Other approved Securities	-	-
4	Shares	-	-
5	Debentures and Bonds	-	-
6	Others (to be specified)	-	-
	<b>Total</b>	-	-

  
Accountant  
NIT Delhi

  
Asstt.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Current Assets

Schedule 7

		Amount in Rs.			
S.No.	Particulars	Current Year		Previous Year	
1	Inventories:				
a)	Stores and Spares	-		-	
b)	Loose Tools	-		-	
c)	Publication	-		-	
d)	Laboratory Chemicals, Consumable and Glass ware	-		-	
e)	Building Material	-		-	
f)	Electrical Material	-		-	
g)	Stationery	4,97,944		8,28,866	
h)	Water supply material	-		-	
i)	Stock-in-trade	-		-	
j)	Building Material (Others)	-	4,97,944	-	8,28,866
2	Sundry Debtors:				
a)	Debts Outstanding for a period exceeding six months	71,749		81,670	
b)	Others	42,988	1,14,737	-	81,670
3	Cash balances in hand				
a)	Imprest given to staff	Annexure 'E'	7,77,030	7,68,732	
b)	Cash in hand	19,501		17,382	
c)	Franking Machine Balance	23,638	8,20,169	3,628	7,89,742
4	4. Bank Balances:				
a)	With Scheduled Banks:				
i)	Canara Bank Acc. No. 7559	12,89,900		14,64,012	
ii)	Canara Bank Acc. No. 8009	33,33,024		77,41,587	
iii)	Canara Bank Acc. No. 8010	6,43,942		6,23,062	
iv)	Canara Bank Acc. No. 4075	14,59,28,385		31,39,70,506	
v)	Canara Bank Dir. NIT Delhi 4080	-		-	
vi)	Canara Bank Dir. NIT Delhi DASA 4078	-		-	
vii)	Canara Bank Dir. NIT Fee 4077	16,74,29,490		11,80,12,335	
viii)	Canara Bank Acc. No. 8131	7,96,375		3,157	
ix)	Canara Bank Dir. NIT Hostel Fee 4076	-		-	
x)	Canara Bank Dir. NIT BRNS PROJECT	-		-	
xi)	Canara Bank Acc. No. 9851	26,404		1,42,238	
xii)	Canara Bank 0108	20,34,91,064		35,58,71,243	
xiii)	Canara Bank 0109	1,66,26,247		6,64,97,464	
xiv)	SBI Acc. No. 4566	29,30,306		28,51,946	
xv)	Canara Bank Acc. No. 6538	1,65,220	54,26,60,356	1,23,862	86,73,01,412
b)	Term Deposits				
i)	With Canara bank		50,62,57,518		19,45,92,008
	Total		1,05,03,50,724		1,06,35,93,698

Accountant  
NIT Delhi

Asstt. Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi






NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Statements showing Investment details as on 31.03.2021

Annexure to Schedule V

S.No.	FD No.	Bank Name	Date of FD	Opening Balance	Account opened on or 01.04.2020	Date of Addition	Addition	Interest earned on FD's during the year 2020-21	TDS Deduction on Interest earned on FD's	Interest earned (Net of TDS) on FD's during the year 2020-21	Amount in Rs.		Date of Maturity	Maturity Amount	TDS deducted as on 31.03.2021	FD's balance as on 31.03.2021	Account opened on or 01.04.2020
											Principal	Interest					
1	294331000174	Canara	01.04.2020	10,40,000	01.04.2020	-	-	2,96,333	-	2,96,333	-	-	11.08.2020	12,46,333	30,279	91,97,441	01.04.2020
2	294331000120	Canara	01.04.2020	88,14,479	01.04.2020	-	-	3,28,824	-	3,28,824	-	-	11.08.2020	91,43,303	28,100	87,41,948	01.04.2020
3	294331000130	Canara	01.04.2020	1,10,29,804	01.04.2020	-	-	4,76,476	-	4,76,476	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020
4	294331000130	Canara	01.04.2020	1,10,29,804	01.04.2020	-	-	4,76,476	-	4,76,476	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020
5	294331000130	Canara	01.04.2020	1,10,29,804	01.04.2020	-	-	4,76,476	-	4,76,476	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020
6	294331000130	Canara	01.04.2020	1,10,29,804	01.04.2020	-	-	4,76,476	-	4,76,476	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020
7	294331000130	Canara	01.04.2020	1,10,29,804	01.04.2020	-	-	4,76,476	-	4,76,476	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020
8	294331000130	Canara	01.04.2020	1,10,29,804	01.04.2020	-	-	4,76,476	-	4,76,476	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020
9	294331000130	Canara	01.04.2020	1,10,29,804	01.04.2020	-	-	4,76,476	-	4,76,476	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020
10	294331000130	Canara	01.04.2020	1,10,29,804	01.04.2020	-	-	4,76,476	-	4,76,476	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020
11	294331000130	Canara	01.04.2020	1,10,29,804	01.04.2020	-	-	4,76,476	-	4,76,476	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020
12	294331000130	Canara	01.04.2020	1,10,29,804	01.04.2020	-	-	4,76,476	-	4,76,476	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020
13	294331000130	Canara	01.04.2020	1,10,29,804	01.04.2020	-	-	4,76,476	-	4,76,476	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020
Total				1,10,29,804	01.04.2020	-	-	1,10,29,804	-	1,10,29,804	-	-	28.04.2021	1,15,06,280	81,887	1,14,24,393	01.04.2020

  
Anil Kumar  
HOD Delhi

  
Manishalingh  
Asst. Registrar  
HOD Delhi

  
Anil Kumar  
Registrar  
HOD Delhi

  
Anil Kumar  
Director  
HOD Delhi

Date: 21.03.2021  
Place: Delhi





### Loans, Advances and Deposits

Schedule 8

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year	Amount in Rs.
<b>1</b>	<b>Advances to Employee:( Non Interest Bearing)</b>			
a)	Salary	-	54,47,813	
b)	Festival	1,800	1,800	
c)	For Expenses (Annexure 'F')	7,75,947	7,77,747	5,85,794
				60,35,407
<b>2</b>	<b>Long Term Advances to Employee :( Interest Bearing)</b>			
a)	Vehicle Loan		-	
b)	Home Loan		-	
c)	Other to be Specified		-	-
<b>3</b>	<b>Advances and other amounts recoverable in cash or in kind or for value to be received:</b>			
a)	On Capital Accounts			
b)	NICSI			
c)	Interest Free Mobilization Advance to NBCC	17,28,46,517	17,28,46,517	
d)	Interest Free Secured Advance Mini Campus	-	56,85,127	
e)	Delhi GOVT	40,320	40,320	
f)	Fee Receivable from CSAB	-	-	
g)	Fee Receivable from Students	12,65,160	9,54,390	
h)	Secured Advance Administration Block	-	-	
i)	NIT Transit House	-	-	
j)	CCMT 2018	-	7,36,557	
k)	Other Advances & Receivables	-	17,41,51,997	-
				18,02,62,911
<b>4</b>	<b>Prepaid Expenses</b>			
a)	Computer Repair & Maintenance	-	1,70,072	
b)	E- Journals prepaid	-	6,71,258	
c)	Equipment Repair & Maintenance	-	403	
d)	Newspaper periodicals	-	4,273	
e)	Leave Salary & Pension Contribution	-	1,34,460	
f)	Ground Rent	1,40,000	2,79,000	
g)	Prepaid Tds	-	-	
h)	Library Expenses	-	1,40,000	-
				12,59,466
<b>5</b>	<b>Deposits</b>			
a)	Telephone (MTNL)	10,000	10,000	
b)	Lease Rent(IAMR)	33,48,900	33,48,900	
c)	Lease Rent(YWCA)	-	-	
d)	Security Deposit -Sandvic	-	-	
e)	Security Deposit - IPDDL	8,39,870	6,00,000	
f)	Security Deposit - Vigyan Bhawan	60,762	42,59,532	60,762
				40,19,662
<b>6</b>	<b>Accrued Income :</b>			
a)	On Investments from Earmarked/Endowment Funds		-	
b)	On Investments-Others		-	
c)	On Loan and Advance		-	
d)	On Term Deposits	38,11,945	10,09,094	
		-	38,11,945	-
				10,09,094
<b>7</b>	<b>Other - Current assets receivable from UGC/Sponsored Projects</b>			
a)	Debit balance in Sponsored Projects		-	
b)	Debit balance in Sponsored fellowship & Scholarships		-	
c)	Grant Receivable from Govt. of India (MHRD)	-	2,78,41,317	
d)	Other Receivable from UGC		-	
				2,78,41,317
<b>8</b>	<b>Claims Receivable</b>			
a)	TDS Receivable	4,90,043	7,56,468	
b)	Others (suspense)		-	
			4,90,043	7,56,468
<b>9</b>	<b>Other Advances</b>			
			-	-
				-
	<b>Total</b>	<b>18,36,31,263</b>		<b>22,11,84,324</b>

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







## NATIONAL INSTITUTE OF TECHNOLOGY DELHI

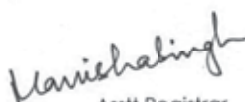
## Fee From Students

## Schedule 9

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
<b>1</b>	<b>Academic</b>		
a)	Tuition Fee	4,77,58,636	5,05,27,503
b)	Admission Processing Fee	20,01,500	15,52,000
c)	Enrolments Fee	-	-
d)	Library Admission Fee	-	-
e)	Laboratory Fee	-	-
f)	Art and craft Fee	-	-
g)	Registration Fee	-	-
h)	Syllabus Fee	-	-
i)	Fee Received From Unregistered Students	10,55,000	11,80,000
	<b>Total (A)</b>	<b>5,08,15,136</b>	<b>5,32,59,503</b>
<b>2</b>	<b>Examinations</b>		
a)	Admission Test Fee	-	-
b)	Annual Exam Fee	-	-
c)	Mark Sheet, Certificate Fee & Transcripts	1,26,701	1,74,351
d)	Exam Mode Fees	-	90,000
e)	Credit Fee	-	-
f)	Make Up Exam Fee and Exam Mode Fee	2,41,200	3,13,200
	<b>Total (B)</b>	<b>3,67,901</b>	<b>5,77,551</b>
<b>3</b>	<b>Other Fees</b>		
a)	Identity Cards Fee	-	-
b)	Fine/Miscellaneous Fee	29,589	1,08,560
c)	Medical Fee	-	-
d)	Transport Fee	-	-
e)	Hostel Fee	-	-
	<b>Total (C)</b>	<b>29,589</b>	<b>1,08,560</b>
<b>4</b>	<b>Sale of Publication</b>		
a)	Sale of Admission forms	-	-
b)	Sale of Syllabus and Question Paper etc	-	-
c)	Sale of prospectus including admission forms	-	-
	<b>Total (D)</b>	<b>-</b>	<b>-</b>
<b>5</b>	<b>Other Academic Receipts</b>		
a)	Registration Fee for Workshop, Programme & Seminar & Verification	1,22,460	4,63,800
b)	Registration Fee(Academic Staff College)	-	-
	<b>Total (E)</b>	<b>1,22,460</b>	<b>4,63,800</b>
	<b>Grand Total (A+B+C+D+E)</b>	<b>5,13,35,086</b>	<b>5,44,09,415</b>

  
Accountant  
NIT Delhi

  
Asstt.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Grants / Subsidies (Irrevocable Grants Received)

Schedule 10

Amount in Rs.

Particulars	Plan			Total Plan	Non Plan UGC	Current Year Total	Previous Year Total
	Govt. of India	UGC Plan	Specific Schemes				
Balance B/F	87,96,11,538	-	-	87,96,11,538	-	87,96,11,538	38,15,02,822
Add: Sanction during the year	39,48,00,000	-	-	39,48,00,000	-	39,48,00,000	1,38,50,00,000
Add: Seed Money transferred back to Unutilized Grant	-	-	-	-	-	-	-
Add: Transferred from Corpus Fund	-	-	-	-	-	-	-
Total	1,27,44,11,538	-	-	1,27,44,11,538	-	1,27,44,11,538	1,76,65,02,822
Less: Refund to UGC	-	-	-	-	-	-	-
Balance	1,27,44,11,538	-	-	1,27,44,11,538	-	1,27,44,11,538	1,76,65,02,822
Less: Utilised for Capital expenditure (A)	32,13,02,142	-	-	32,13,02,142	-	32,13,02,142	64,66,67,754
Balance	95,31,09,396	-	-	95,31,09,396	-	95,31,09,396	1,11,98,35,068
Less: utilized for Revenue Expenditure (B)	23,21,92,141	-	-	23,21,92,141	-	23,21,92,141	24,02,23,530
Balance C/F (C)	72,09,17,255	-	-	72,09,17,255	-	72,09,17,255	87,96,11,538

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Income from Investments

Schedule 11

Amount in Rs.

S.No.	Particulars	Earmarked Fund/Endowments		Other Investments	
		Currents year	Previous year	Currents year	Previous year
1	Interest				
a)	On Govt. Securities	-	-	-	-
b)	Other Bonds/Debentures	-	-	-	-
2	Interest on Term Deposits	-	-	2,42,08,141	2,68,20,244
3	Income Accrued but not due on term deposits /Interest Bearing Advance to Employee	-	-	38,11,945	10,09,094
4	Interest on Saving bank Accounts	-	-	-	-
5	Others (Specify) - Interest On Income Tax Refund	-	-	32,440	790
	Total	-	-	2,80,52,526	2,78,30,128
	Transferred To Earmarked/Endowment Funds	-	-		
	Balance	-	-		

  
Accountant  
NIT Delhi

  
Asstt.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Interest Earned

Schedule 12

S.No.	Particulars	Amount in Rs.	
		Current Year	Previous Year
1	<b>On Savings Accounts:</b>		
a)	With Scheduled Banks	58,84,948	2,23,406
2	<b>On Loans:</b>		
a)	Employees/Staff	-	-
b)	Others	-	-
3	<b>Interest on Debtors and Other Receivables</b>		
a)	With Non-Scheduled Banks	-	-
b)	Post Office Savings Accounts	-	-
c)	Others	-	-
	<b>Total</b>	<b>58,84,948</b>	<b>2,23,406</b>

  
Accountant  
NIT Delhi

  
Asstt.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







## NATIONAL INSTITUTE OF TECHNOLOGY DELHI

## Other Income

Schedule 13

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
<b>A</b>	<b>Income from Land &amp; Buildings</b>		
1	Hostel Room Rent	59,28,000	84,88,100
2	License fee	-	-
3	Hire Charges of Auditorium/Play ground/Convention Centre, etc	-	-
4	Electricity charges recovered	-	-
5	Water charges recovered.	-	-
	<b>Total A</b>	<b>59,28,000</b>	<b>84,88,100</b>
<b>B</b>	<b>Sale of Institute's publications</b>	-	-
<b>C</b>	<b>Income from holding events</b>		
1	Gross Receipts from annual function/ sports carnival	-	-
	Less: Direct expenditure incurred on the annual function/ sports carnival	-	-
2	Gross Receipts from fetes	-	-
	Less: Direct expenditure incurred on the fetes	-	-
3	Gross Receipts for educational tours	-	-
	Less: Direct expenditure incurred on the tours	-	-
4	Others (to be specified and separately disclosed)	-	-
	<b>Total C</b>	<b>-</b>	<b>-</b>
<b>D</b>	<b>Others</b>		
1	Income from consultancy	82,600	-
2	RTI fees	500	156
3	Income from Royalty	-	-
4	Application Fees	-	2,12,000
5	Misc. receipts (Sale of tender form, waste paper, etc.)	-	40,000
6	Other receipts from students	-	-
a)	Late fees and Licence fees	-	-
b)	Assets received free of cost	-	-
	Grants/Donations from Institutions, Welfare Bodies and International Organizations	-	-
7			
8	Institute overhead	8,64,787	1,94,843
a)	Computer and Internet Fee	19,07,000	15,52,000
b)	ID card Charges	46,000	36,300
c)	Income from Guest House	25,000	55,750
d)	Income from Bus	-	28,800
e)	Misc Income	758	6,003
f)	Library Fee and Magazine Fee	-	-
g)	Income from Certificates	-	-
h)	Other Recovery from Staff	-	-
i)	Study Mode Fee	56,400	93,000
j)	Exam fee	-	-
k)	Sponsorship Received	-	-
l)	Processing Fee	92,000	1,65,000
	<b>Total D</b>	<b>30,75,045</b>	<b>23,83,852</b>
	<b>Grand Total (A+B+C+D)</b>	<b>90,03,045</b>	<b>1,08,71,952</b>

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





## NATIONAL INSTITUTE OF TECHNOLOGY DELHI

### Prior Period Income

#### Schedule 14

		Amount in Rs.	
S.No.	Particulars	Current Year	Previous Year
1	Academic Receipts	4,17,050	13,33,475
2	Income from Investments	-	-
3	Interest earned	-	-
4	Deperciation Written Back Retrospectively	12,18,190	2,96,760
	Total	16,35,240	16,30,235

Accountant  
NIT Delhi

Asstt. Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi



**Staff Payments & Benefits (Establishment Expenses)**

## Amount in Rs.

  
Accountant  
NIT Delhi

Asslt.Registrar  
 NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Employees' Retirement And Terminal Benefits

Schedule 15A

Amount in Rs.

S.No.	Particular	Pension	Gratuity	Leave Encashment	Total
1	Opening Balance as on 01.04.2020	-	46,09,705	70,94,092	1,17,03,797
2	Addition: Capitalized value of Contributions Received from other	-	-	-	-
3	Less: Actual Payment during the Year (b)	-	-	5,16,477	5,16,477
4	Balance Available on 31.03.2021 [c = (a-b)]	-	46,09,705	65,77,615	1,11,87,320
5	Provision required on 31.03.2021 (a)	-	91,21,459	1,17,01,864	2,08,23,323
6	Provision to be made in the Current year [A = (d-c)]	-	45,11,754	51,24,249	96,36,003
7	Contribution to New Pension Scheme & CPF (B)	-	-	-	-
8	Medical Reimbursement to Retired Employees (C.)	-	-	-	-
9	Travel to Hometown on Retirement (D)	-	-	-	-
10	Deposit Linked Insurance Payment (E)	-	-	-	-
	Total (A+B+C+D+E)	-	45,11,754	51,24,249	96,36,003

  
Accountant  
NIT Delhi

  
Asstt.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Academic Expenses

Schedule 16

Amount in Rs.

S.No.	Particulars	Current Year				Previous Year			
		Plan	Non Plan	Academic	Total	Plan	Non Plan	Academic	Total
1	Laboratory expenses	-	-	8,101	8,101	-	-	3,76,274	3,76,274
2	Field work/Participation in Conferences	-	-	-	-	-	-	-	-
3	Expenses on Seminars/Workshops	-	-	-	-	-	-	-	-
4	Payment to visiting faculty	-	-	4,84,047	4,84,047	-	-	6,12,024	6,12,024
5	Printing and stationery	-	-	-	-	-	-	18,278	18,278
6	Academic Refreshment expenses	-	-	-	-	-	-	24,710	24,710
7	Admission expenses	-	-	-	-	-	-	-	-
8	Convocation expenses	-	-	(1,17,469)	(1,17,469)	-	-	14,77,770	14,77,770
9	Hostel Expenses	-	-	-	-	-	-	-	-
10	Subscription Expenses	-	-	-	-	-	-	-	-
11	ID Card Charges	-	-	-	-	-	-	-	-
12	Culture Expenses	-	-	-	-	-	-	-	-
13	Secret Funds	-	-	-	-	-	-	-	-
14	DMC Security Expenses	-	-	-	-	-	-	-	-
15	Sports Expenses	-	-	-	-	-	-	-	-
16	Training and Placement Expenditure	-	-	-	-	-	-	-	-
	Others (specify)	-	-	-	-	-	-	-	-
17	Library Expenses	-	-	1,99,908	1,99,908	-	-	3,73,355	3,73,355
18	TA to Students	-	-	-	-	-	-	37,584	37,584
19	Academic Expenses	-	-	-	-	-	-	-	-
20	Literary Club Expenses	-	-	-	-	-	-	-	-
21	Interest on TDS	-	-	35,103	35,103	-	-	-	-
	Total	-	-	6,09,690	6,09,690	-	-	29,19,995	29,19,995

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Administrative and General Expenses

Schedule 17

Amount in Rs.

S.No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
1	Infrastructure						
a)	Electricity and power	39,10,517	-	39,10,517	74,01,165	-	74,01,165
b)	Water charges	-	-	-	-	-	-
c)	Insurance	-	-	-	-	-	-
d)	Rent, Rates and Taxes (including property tax)	4,64,68,226	-	4,64,68,226	4,30,84,548	-	4,30,84,548
2	Communication						
a)	Postage, Telephone, Fax and Internet Charges	30,53,987	-	30,53,987	42,47,165	-	42,47,165
3	Expenses on Contractual & Outsourced Employees						
a)	Salary to Contractual Staff	45,61,139	-	45,61,139	91,69,971	-	91,69,971
b)	Outsourced Employees Expenses	1,92,23,149	-	1,92,23,149	1,65,56,132	-	1,65,56,132
4	Fest Expenses						
a)	Saptrang	-	-	-	-	-	-
b)	Terra Technica 2018	-	-	-	-	-	-
c)	Terra Technica 2017	-	-	-	-	-	-
d)	Other Conference and Workshop Expenses	-	-	-	-	-	-
5	Others						
a)	NIT Transit House Contribution	7,00,000	-	7,00,000	-	-	-
b)	Professional Charges	5,88,555	-	5,88,555	9,46,582	-	9,46,582
c)	Printing and Stationery	8,12,322	-	8,12,322	7,17,007	-	7,17,007
d)	Travelling and Conveyance Expenses	21,217	-	21,217	6,36,028	-	6,36,028
e)	Stipend/means-cum-merit scholarship	3,31,75,328	-	3,31,75,328	3,55,81,982	-	3,55,81,982
f)	Auditors Remuneration	1,32,120	-	1,32,120	55,025	-	55,025
g)	Statutory Bodies Meeting and Various Meeting	1,38,600	-	1,38,600	10,78,565	-	10,78,565
h)	Security Expenses	94,84,710	-	94,84,710	1,01,30,747	-	1,01,30,747
i)	E-Journals	93,86,670	-	93,86,670	48,92,673	-	48,92,673
j)	Misc Exp	11,368	-	11,368	2,11,096	-	2,11,096
k)	Advertisement and Publicity	1,88,194	-	1,88,194	5,17,576	-	5,17,576
l)	News Paper, Magazines, E- Journals & Periodicals Subscription Fee	34,664	-	34,664	4,09,472	-	4,09,472
m)	Boarding & Lodging and Guest House Expenses	-	-	-	1,27,833	-	1,27,833
n)	Recruitment Expenses	-	-	-	-	-	-
o)	Website related expenses	-	-	-	51,359	-	51,359
p)	AMC Charges	-	-	-	-	-	-
q)	DSC Expenses	-	-	-	2,372	-	2,372
r)	Housekeeping Expenses	50,683	-	50,683	60,501	-	60,501
s)	Refreshment	20,697	-	20,697	-	-	-
	<b>Total</b>	<b>13,19,62,146</b>	<b>-</b>	<b>13,19,62,146</b>	<b>13,58,77,798</b>	<b>-</b>	<b>13,58,77,798</b>

  
Accountant  
NIT Delhi

  
Asstt.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Transportation Expenses

Schedule 18

Amount in Rs.

S.No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
1	Vehicles (owned by Institution)						
a)	Running expenses	-	-	-	-	-	-
b)	Repairs & maintenance	-	-	-	-	-	-
c)	Insurance expenses	-	-	-	-	-	-
2	Vehicles taken on rent/lease/Hiring	-	-	-	-	-	-
a)	Rent/lease expenses/Hiring	7,62,762	-	7,62,762	61,54,122	-	61,54,122
b)	Running expenses	58,909	-	58,909	1,91,846	-	1,91,846
	<b>Total</b>	<b>8,21,671</b>	<b>-</b>	<b>8,21,671</b>	<b>63,45,968</b>	<b>-</b>	<b>63,45,968</b>

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





# NATIONAL INSTITUTE OF TECHNOLOGY DELHI

## Repairs & Maintenance

### Schedule 19

Amount in Rs.

S.No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
1	Estate & Building Maintenance	3,31,840	-	3,31,840	8,81,438	-	8,81,438
2	Furniture & Fixture	-	-	-	-	-	-
3	Plant & Machinery	-	-	-	-	-	-
4	Office Equipments	7,32,557	-	7,32,557	2,55,891	-	2,55,891
5	Computer	23,86,163	-	23,86,163	17,36,819	-	17,36,819
6	Laboratory & Scientific Equipments	-	-	-	-	-	-
7	Audio Visual Equipments	-	-	-	-	-	-
8	Cleaning Material & Services	-	-	-	-	-	-
9	Books Binding Charges	-	-	-	-	-	-
10	Gardening	-	-	-	-	-	-
11	Electricity and Electric Repair	1,02,049	-	1,02,049	2,62,127	-	2,62,127
	<b>Total</b>	<b>35,52,609</b>	<b>-</b>	<b>35,52,609</b>	<b>31,36,275</b>	<b>-</b>	<b>31,36,275</b>

(V1)

Accountant  
NIT Delhi

Manishabingh

Asstt.Registrar  
NIT Delhi

Registrar

Registrar  
NIT Delhi

Director

Director  
NIT Delhi

Date: 27.10.2021

Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Finance Costs

Schedule 20

Amount in Rs.

S.No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
1	Bank Charges	21,194	-	21,194	28,196	-	28,196
	<b>Total</b>	<b>21,194</b>	<b>-</b>	<b>21,194</b>	<b>28,196</b>	<b>-</b>	<b>28,196</b>

  
Accountant  
NIT Delhi

  
Asstt.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





# NATIONAL INSTITUTE OF TECHNOLOGY DELHI

## Other Expenses

### Schedule 21

Amount in Rs.

S.No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
1	Provision for Bad and Doubtful Debts/Advances	-	-	-	-	-	-
2	Irrecoverable Balances Written - off	-	-	-	-	-	-
3	Grants/Subsidies to other institutions/organizations	-	-	-	-	-	-
4	Others (specify)						
	Blood Donation Camp Expenses	-	-	-	-	-	-
	<b>Total</b>	-	-	-	-	-	-

  
Accountant  
NIT Delhi

  
Asstt.Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Prior Period Expenses

Schedule 22

Amount in Rs.

S.No.	Particulars	Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
1	Establishment expenses	2,07,687	-	2,07,687	51,29,960	-	51,29,960
2	Academic expenses	-	-	-	-	-	-
3	Administrative expenses	5,10,781	-	5,10,781	4,20,612	-	4,20,612
	<b>Total</b>	<b>7,18,468</b>	<b>-</b>	<b>7,18,468</b>	<b>55,50,572</b>	<b>-</b>	<b>55,50,572</b>

Accountant  
NIT Delhi

Asstt.Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

List of Creditors as on 31.03.2021

Annexure 'A'

Creditors For Goods

S.No.	Particulars	Amount in Rs.	Amount in Rs.(P.Y)
1	Jain Furniture Supplier	8,220	8,220
2	Kamal Enterprises	99,358	99,358
3	Saini Refrigeration Works	4,692	4,692
4	VSM Enterprises	8,800	8,800
	Total	1,21,070	1,21,070

Creditors-Others

S.No.	Particulars	Amount in Rs.	Amount in Rs.(P.Y)
1	Bharat Bass Festival	-	1,414
2	Cityalert Security Services Private Limited	72,117	72,117
3	NSDL	2,764	2,764
4	Manish Dhiman	277	-
6	Hemant Kumar	6	-
7	Sank Network	360	-
	Total	75,524	76,295

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







NATIONAL INSTITUTE OF TECHNOLOGY DELHI

List of Statutory Dues as on 31.03.2021

Annexure 'B'

S.No.	Particulars	Amount in Rs.	Amount in Rs.(P.Y)
1	CGST TDS	58,070	16,740
2	IGST TDS	12,524	13,160
3	SGST TDS	58,070	16,740
4	TDS 192 B 109	10,81,347	9,04,000
5	TDS 194C 4077	-	4,705
6	TDS Payable on Contract 194 C	77,752	72,202
7	TDS Payable on Rent 194I	6,78,737	2,99,564
8	Tds Payable on Salary 192	1,40,238	10,919
9	TDS Payble Professional 194J	18,260	61,185
10	TDS Payble 194C 10108	(1)	-
11	NPS Payable (Both Employer & Employee)	12,63,193	12,78,603
12	GIS Payable	15,735	-
	<b>Total</b>	<b>34,03,924</b>	<b>26,77,818</b>

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Detail Of Outstanding as on 31.03.2021

Annexure 'C'

S.No.	Particulars	Amount in Rs.	P.Y	Amount in Rs.(P.Y)
1	AMC Charges Payable	-	-	-
2	Bus Hiring Charges	-	4,98,000	-
3	Campus Maintenance	4,600	4,600	-
4	CPF Contribution	1,00,000	45,000	-
5	E-Journal Expense	22,02,171	13,51,214	-
6	Electricity Exp	7,07,082	4,74,655	-
7	Equipment Repair Maintenance	2,07,880	36,241	-
8	GPF	-	50,000	-
9	Computer Repair Maintenance	2,93,029	2,95,000	-
10	Internet Charges	6,49,000	10,32,500	-
11	Legal Charges	12,000	8,000	-
12	Newspaper & Periodicals	1,146	4,468	-
13	Other Payable	43,091	43,091	-
14	Professional Charges	1,23,751	1,41,450	-
15	Rent	11,08,406	6,54,149	-
16	Salary Outsourcing Staff	15,22,009	14,96,321	-
17	Salary and Wages Contractual	2,12,435	-	-
18	Security Exp.	18,00,926	9,29,547	-
19	Vehicle Running Expenses	-	24,719	-
20	Stipend Of Phd	13,73,746	43,400	-
21	Stipend Of Mtech	11,71,795	-	-
22	Travelling Expenses	-	16,729	-
23	Telephone Exp	13,134	1,15,46,201	26,532
	Establishment Expenses Payable	-	-	71,75,616
24	Medical Reimbursement Payable	-	41,739	-
25	Salary Payable	51,82,943	56,12,525	-
26	Leave Salary & Pension Contribution	21,956	21,318	-
27	NPS Employee Share	-	-	-
28	CPDA Expenses Payable	-	52,04,899	17,062
		-	-	56,92,644
	Unspent balance of Counsellings	-	-	-
29	CCMT 2017	227	227	-
30	CCMT 2019	1,10,880	1,10,880	-
31	CSAB 2016	47,932	47,932	-
32	CSAB 2019	-	20,004	-
33	CSAB 2020	-	-	-
34	DASA 2019	23,512	1,82,551	23,512
	Project Expenses Payable	-	-	2,02,555
35	CSIR Project	1	58,281	-
36	DST Project	-	54,613	-
37	DST Shri Project	-	81,840	-
38	STC	-	17,818	-
39	SERB	-	1,39,988	-
40	SMPD	-	20,000	3,72,540
	Other Payable	-	-	-
41	TDS Amount Reimbursable	-	236	-
42	Amount un-identified	3,58,975	3,58,975	88,250
		-	-	88,486
	Total	-	1,72,92,627	1,35,31,841

Accountant  
NIT Delhi

Asstt. Registrar  
NIT Delhi

Registrar  
NIT Delhi

Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Details of Earnest Money Deposit and Other Security Deposits

Annexure 'D'

A) Details of Earnest Money Deposit

S.No.	Particulars	Amount in Rs.	Amount in Rs.(P.Y)
1	Ashok Kumar EMD	10,000	10,000
2	Balka Furnishaers EMD	4,000	4,000
3	Ergo Dyanamix EMD	10,000	10,000
4	Frank Copier Private Limited	15,000	15,000
5	Galaxy Enterprises EMD	3,000	3,000
6	Jain Furniture EMD	2,100	2,100
7	Jawa Management Service Pvt Ltd	-	1,50,000
8	Miraz Securitas Pvt Ltd	-	1,50,000
9	M/s V S Enterprises	-	40,000
10	Neotel EMD	10,000	10,000
11	NET PRO INDIA	10,000	10,000
12	Net Web Technologies	11,000	11,000
13	Nexgen Manpower Service Pvt Ltd	-	1,50,000
14	NIT Delhi Mess EMD	50,000	50,000
15	Sahni Associates EMD	4,000	4,000
16	Shree Balaji Furnishers EMD	3,100	3,100
17	Star Fabricator	36,565	36,565
18	Sulabh International Social Service Org. EMD	33,496	33,496
19	T K Meena EMD	6,000	6,000
20	Top Land EMD	16,000	16,000
21	Trendy Security Services EMD	-	7,50,000
		-	
	<b>Total (A)</b>	<b>2,24,261</b>	<b>14,64,261</b>

B) Details of Other Security Deposit

S.No.	Particulars	Amount in Rs.	Amount in Rs.(P.Y)
1	JILT Ltd	2,02,248	2,02,248
2	Bengal Battery Co. Performance Security	40,496	40,496
3	Sahni Associates	16,238	16,238
4	Frank Copier Private Limited	43,672	58,672
5	New yadav Tourist	25,000	25,000
6	Relaince Internet Security	1,10,000	-
7	Sandvic Components Security	4,02,150	-
	<b>Total (B)</b>	<b>8,39,804</b>	<b>3,42,654</b>

	<b>Grand Total (A+B)</b>	<b>10,64,065</b>	<b>18,06,915</b>
--	--------------------------	------------------	------------------

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





NATIONAL INSTITUTE OF TECHNOLOGY DELHI

List of Imprest Money given to Staff

Annexure 'E'

S.No.	Particulars		Amount in Rs.	P.Y	Amount in Rs. P.Y
	Cash Imprest				
1	Anmol Ratna	705		705	
2	Rikamitra Basu	3,937	4,642	3,937	4,642
	Imprest Card				
1	Manisha Singh	29,352		29,352	
2	Krishan Pal	45,857		45,857	
3	Dr. Gareema	47,104		46,721	
4	Dr. VS Pandey	25,000		25,000	
5	Sh Raushan	30,080		30,080	
6	Dr. Rikamitra	119		119	
7	Dr. Rajiv	47,080		47,080	
8	Dr. Gyanendra	24,966		25,000	
9	Dr. Vivek (Dean R&C)	50,000		50,000	
10	Dr. Vivek (Dean SW)	43,000		42,444	
11	Sh. Jitender	22,999		22,999	
12	Sh Rajesh -8092	16,829		16,829	
13	Sh Rajesh-8461	23,955		16,934	
14	Krishan Pal guest house	37,643		37,643	
15	Amit Mahajan	43,000		43,000	
16	Shelly	44,685		44,685	
17	Dr. Vailhyanathan(8167)	25,000		25,000	
18	Dr. Vailhyanathan(New Card 5077)	19,473		19,054	
19	Dr. Anmol	19,928		19,928	
20	Harish Kumar	40,784		40,784	
21	Sh. Kamal	25,207		25,254	
22	Sh. Mukul	5,464		5,464	
23	Sh. Anidev Singh	40,321		40,321	
24	Dr. Kapil	45,006		24,960	
25	Imprest Card - 5234	19,536	7,72,388	19,536	7,64,090
	Total		7,77,030		7,68,732

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi







NATIONAL INSTITUTE OF TECHNOLOGY DELHI

List of Advances given to Staff

Annexure 'F'

S.No.	Particular	Amount in Rs.	Amount in Rs. (P.Y)
1	Anidev Singh	(59)	89,381
2	Anmol Ratna Saxena	-	40,000
3	Anuj Kumar Sharma	15,000	15,000
4	Anurag Singh	21,935	7,000
5	Baljit Kaur	-	2,000
6	Gareema Sanaman	-	88,806
7	Harish Kumar	1,08,000	1,08,000
8	Sachin Singh	1,08,856	1,08,856
9	Kamal Kumar	-	5,000
10	Kapil Kumar	12,000	12,000
11	Raushan Kumar	6,500	6,500
12	Rikmantra Basu	3,151	3,151
13	Satyender Singh	3,000	3,000
14	Vinay Shankar Pandey	-	3,500
15	LTC Advance	4,97,564	93,600
	<b>Total</b>	<b>7,75,947</b>	<b>5,85,794</b>

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021  
Place: Delhi





**Schedule-23**

**NATIONAL INSTITUTE OF TECHNOLOGY DELHI**

**Significant Accounting Policies:**

1. The financial statements are prepared on the basis of historical cost convention, unless otherwise stated and generally on the accrual method of accounting.
2. All other incomes and expenses are accounted on accrual basis.
3. Fixed assets are stated at cost of acquisition including inward freight, duties and expenses related to acquisition installation and commissioning.
4. Depreciation on fixed assets is provided on Straight Line Method at the applicable rates as per MOE guidelines.
5. Valuation of inventories is done at cost or net realizable value whichever is less.
6. The institute has been investing short term bank deposit (FDR) on which interest is being accounted for on the basis of the bank interest certificates.
7. Assets of small value of Rs. 2,000 or less is written off fully to income and expenditure account.
8. Accounting for Earmarked/Endowment fund and sponsored projects, schemes and programmes and income from such schemes is done according to directives issued by MOE for preparation of financial statements to the Central Educational Institutions.
9. Accounting treatment of fellowships and sponsored projects has been done according to the directives issued by MOE for preparation of Financial Statements to the Central Education Institutions.
10. The financial statements have been prepared in accordance with the generally accepted accounting principles as applicable to the Govt. Funded institutions funded out of the grant-in-aid as per guidelines issued by the MOE, Govt. Of India and as per the format prescribed by Govt. Of India MOE.







11. Institute has received only Plan Grant, which has been transferred to Schedule-3(c), and to the extent utilized for capital expenditure transferred to capital account in schedule 1 and utilized revenue expenditure transferred to Income & Expenditure account.
12. The Institute is exempted from Income Tax under section 10(23C) of the Income Tax Act, 1961. Hence, No provision for income tax has been made in the books of accounts.
13. Seed money approved to faculty is being booked under capital expenditure and revenue expenditure as per regular accounting practice.

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021

Place: Delhi





Schedule-24

**NATIONAL INSTITUTE OF TECHNOLOGY DELHI**

**Notes to Accounts and Contingent Liabilities:**

1. Physical verification of inventory during the year 2020-21 has been done and stationary and consumables items are being purchased on need basis.
2. The unspent balance of 'Grant under Plan' released by MOE has been brought to the notice of BOG in its 25th Meeting & MOE and it is carried forward to be spent in the next year, for the purpose it was released.
3. No Fixed Assets has been purchased out of Non-Plan Funds, as the institute is in receipt of Plan Grant only and no addition to the fixed assets has been made out of the sponsored projects as shown in schedule 4 (attached). The Assets have been set up by credit to the Capital Fund in schedule 1.
4. No Patents have been acquired during the year under consideration.
5. Depreciation of Rs.12,18,190/- has been written back retrospectively due to excess depreciation charged during previous year.
6. There being no taxable income under Income Tax Act-1961 and The Institute is exempted from Income Tax under section 10(23C) of the Income Tax Act, 1961. Hence no provision for the income tax has been made.
7. The stale cheques have been transferred to Time Barred Account during the year.
8. Corresponding figures of the previous year has been regrouped/rearranged, wherever necessary.
9. There is no dispute in respect of Income Tax, VAT/GST and any other taxes. Under Income Tax Assessment Proceedings for the AY 2020-21 is under process as on 31.03.2021.
10. Provision for the expenses for the year 2020-21 has been made on the basis of Information received up to 30/09/2021.





11. Schedule 1 to 24 is annexed to and form an integral part of the balance sheet as at 31<sup>st</sup> March, 2021 and Income & Expenditure Accounts for the year ended on that date.
12. No contingent liability exists as on 31<sup>st</sup> March 2021.
13. Capital Work in Progress addition of Rs. 3210.13 Lakhs includes: Rs 3188.91 Lakhs of Construction Cost paid to NBCC against various RA bills raised during the year, Rs. 21.22 Lakhs paid for MCD Property Tax for the period 2020-21, in connection for Permanent Campus.
14. NIT Delhi had been made Head Office for CCMT 2018 in the FY 2018-19, same had been concluded in FY 2018-19 itself. As on 31.03.2021 Total Assets of CCMT 2018 (Head office) is Rs. 363.34 Lakhs which includes FDR (with Accrued Interest) of Rs. 340.98 Lakhs, Saving Bank Account balance of Rs. 2.56 Lakhs, Fixed assets of Rs. 17.70 lakhs, Rs. 1.71 Lakhs of TDS Receivable and TDS Recoverable from SBI of Rs. 0.38 Lakhs. Surplus funds of CCMT 2018 Head office has not been considered as IRG until 31.03.2021 and surplus funds are presently kept separately in the form of FDR and Saving Bank Account.
15. Spare funds under bank accounts were decided to put under FDR through Auto Sweep arrangement to fetch better return. Auto-Sweep Interest earned is amounted to Rs. 38.63 Lakhs under bank account 4075, Rs. 42.11 Lakhs under bank account 4077, Rs. 7.57 Lakhs under bank account 0109, Rs. 32.61 Lakhs under bank account 0108.
16. Rent expense for temporary campus (NILERD) has been increased by 5% for residential and 8% for non-residential w.e.f 01/01/2021
17. Expenditure on E-journals has been booked under revenue expenditure as payments are made for yearly subscription.
18. Gratuity provision has been created for employees who have completed minimum 5 years of their regular service.
19. Leave Encashment Provision has been created for employees on the basis of cumulative balance of leaves standing credit in the account of employees as on 31.03.2021.
20. No Actuarial Valuation has been received from authorised empaneled valuer for Provision of Retirement Benefits such as Gratuity and Leave Encashment.
21. Fees received (all fees) from the students are recognised on receipt basis and is fully transferred to the Income and Expenditure account for the current Financial year without considering the session for which the Tution fees has been received.
22. Land on which construction of Permanent Campus is going does not belong to NIT Delhi. Land has been provided to NIT Delhi by DDA under long term lease agreement.





23. Mobilisation Advance and Secured Advance given to NBCC are Interest Free Advances.

24. Chartered Accountant Firm M/s Chandiwalla Virmani & Associates has been hired to provide consultancy services related to finalisation of books, Income Tax, GST, TDS compliances and various such services.

  
Accountant  
NIT Delhi

  
Asstt. Registrar  
NIT Delhi

  
Registrar  
NIT Delhi

  
Director  
NIT Delhi

Date: 27.10.2021

Place: Delhi





## **National Institute of Technology Delhi**

**(An autonomous Institute under the aegis of Ministry of HRD, Govt of India)**

A-7, Institutional Area Near Satyawadi

Raja Harish Chandra Hospital, New Delhi, Delhi 110040

Phone: +9111-33861000-1006 Fax +9111-27787503

Website [www.nitdelhi.ac.in](http://www.nitdelhi.ac.in)