ANNUAL REPORT &
ANNUAL ACCOUNTS 2023-2024

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Papers to be laid on the
Table of Lok / Rajya Sabha

Annual Report
&
Annual Accounts
(2023 - 2024)

AUTHENTICATED

शिक्षा मंत्रालय में राज्य मंत्री
Minister of State in the
Ministry of Education

राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली
NATIONAL INSTITUTE OF TECHNOLOGY DELHI
(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संस्थान)
(An Autonomous Institute under the aegis of the Ministry of Education
(Shiksha Mantralaya), Govt. of India)
Plot No. FA7, Zone P1, GT Karnal Road, Delhi-110036, INDIA
दूरभाष/Tele: +9111-33861000, 1001, 1005 फैक्स/ Fax: +9111-27787503,
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DIRECTOR'S MESSAGE

From the Director's Desk...

It gives me immense pleasure to present the Annual Report and the Audited statement of Accounts of National Institute of Technology Delhi for the year 2023-24 with the noteworthy achievements of the Institute during the year. With the support of all stakeholders, the Institute has done reasonably well on all fronts in the academic year 2023-24. It is worthy to mention herewith that from academic year 2023-24, the Institute started M.Tech programme in Mathematics and Computing through CCMT and SFS with an intake of 10 and 15 students respectively. Full time and part time M.Tech programme was also started in Power and Energy Systems through CCMT and SFS from the academic year 2023-24. The B.Tech programme in Artificial Intelligence and Data Sciences (AI&DS) was started from the academic year 2023-24 with an intake of 30 students. The students admitted through CCMT for M.Tech. are granted Half-Time Teaching Assistantship (HTTA) as per MoE/Govt. of India norms.

Education is the most potent weapon which changes society. National Education Policy NEP-2020 has made a revolutionary change, which is determined to implement a modern education system addressing the needs of the hour. In this regard, the Institute has taken the significant step in enhancing the learning experience for students pursuing B.Tech and M.Tech programs, starting from the academic year 2022-23. The curriculum has been thoroughly revised to adopt a learning-centric approach, providing ample opportunities for skillful education. A notable feature is the integration of laboratory courses from the very beginning of these programs, offering a broad spectrum of electives to students. Each department now operates with an independent Board of Studies (BoS) tasked with reviewing and aligning the curriculum with specific requirements.

Our collaborations with industry and academia have strengthened significantly, leading to numerous MoUs and MoAs signed in 2023. Students at the Institute are strongly encouraged to engage with real-time industry challenges as a fundamental aspect of their project work during their PhD, MTech, and BTech programs. Many students who are concurrently employed in esteemed organizations like DRDO, CSIR, ISRO, and various industries have made substantial contributions by collectively addressing critical industrial and research problems. These partnerships underscore our commitment to fostering innovation, research, and technological advancements that address global challenges and contribute to national priorities.

Our rankings in the National Institutional Ranking Framework (NIRF) are a testament to our consistent pursuit of excellence. We have secured the 51st rank in 2023 in the NIRF Engineering category which reflects Institution's consistent pursuit of excellence and innovation. In the domain of sponsored funding, there has been a significant increase in the number as well as the amount of externally funded research projects. The Institute continues to show a steady improvement in the filing and granting of patents.

The Construction of Phase 1B Development is in full swing which includes: i). Construction of G+9 Story Academic Building consists of an Auditorium, Lecture Hall and Library. The approximate floor area of the Academic Block is 27911 sqm. ii). Construction of Air Conditioned 792 seated capacity Hostel Building. The G+7 storied building has a built-up area of 22,616 Sqm (approx). The Hostel has a Dining Hall, Recreation Room and Study Hall

for the students, iii). Construction of Residential Quarters for staff and faculty members and Director's Residence. The residential quarters under construction consists of 60 dwelling units with an approximate total built up area of 12990 Sqm. The Institute has awarded the construction work of Phase 1B to TCIL, with an estimated cost of Rs. 375 Crores.

In line with its commitment to sustainability, NIT Delhi has adopted several green campus initiatives to make the campus habitable by developing roof top rainwater and surface water harvesting infrastructure, wastewater management system and wastewater recycling plant to make the campus zero discharge, solar photovoltaic power generating system, use of LED lights and BLDC fans, GRIHA compliances for building and plantation of trees in the campus respectively. The outcome as it starts today is a world-class wellness and green campus with a positive ambience.

With all humility and pride, I would like to say that the Institute has notable placements during the academic year 2023-24. One of our students has been selected through Campus Placement Drive with the highest package of 60 lakh per annum (LPA) by Atlassian. The average package was Rs. 17.8 LPA and total of 110 students (i.e. 75%) got 'On Campus' placement during the year. The Institute provides various sports facilities and encourage the students to participate in the various Inter NIT sports events organized every year. The National Institute of Technology Delhi held a lively ceremony full of energy and a great sense of accomplishment to officially unveil their newest addition, the brand-new lawn tennis court on December 1, 2023. In the year 2023-24, NIT Delhi participated in All India Inter NIT power sports and Football Tournament, All India Inter NIT Kabaddi Tournament, ITUSA Volleyball and Yoga Tournament 2023 and MST Sports Tournament respectively and bagged various Medals including gold, silver and bronze medals.

The compelling objectives of NIT Delhi's vision are to drive our focus toward achieving transparent system in what we believe and do. To accomplish its goals, the Institute is working relentlessly with a sense of responsibility and perseverance. I wholeheartedly appreciate the active cooperation and involvement of our students, faculty, staff, and alumni for their tireless effort in creating milestones for the Institute. The Annual Report 2023-24 is a compilation of all the achievements of the Institute, details of the academic and research activities, training and placement activities and various other developments taking place in the Institute.

Prof. (Dr) Ajay K. Sharma
Director
National Institute of Technology, New Delhi

Part - I
Annual Report
(2023 - 2024)

ABOUT

NATIONAL INSTITUTE OF TECHNOLOGY, DELHI

Introduction

- National Institute of Technology Delhi (NITD) is one of the thirty one NIT (s) established in the year 2010 by an act of parliament and has been declared as an Institute of National importance.
- NIT Delhi is an autonomous Institute which functions under the aegis of Ministry of Education, Government of India. It aims to provide instructions and research facilities in various disciplines of Engineering, Science and Technology, Management, Social Sciences and Humanities for advance learning and dissemination of knowledge.

Location

- National Institue of Technology Delhi previously running its academic and administratinve activities from transit Campus (NILED) has now shifted to its permanent campus at GT karnal Road and the transit campus is used for Hostel purposes.
- The nearest Metro Station in Jahangirpuri on Yellow line of Delhi Metro Rail Corporation which is about 11.2 KMs from NIT, Delhi Permanent Campus, whereas the airport is loacated at a distance of 36.3 KMs.

Vision

- Committed to holistic development of Lives and Society by imparting Knowledge of Science and Technology and Crystallizing the future.

Mission

- The mission of NIT Delhi is to produce human resource those who are creative, competitive and innovative with high intellect and ethical values. The Institute is imparting holistic education, along with inculcating high moral values in its students.

- Application of Knowledge through learning and inculcating Research Oriented mindset towards Design and Innovative Development for Realistic Societal Solutions.

Quality Policy

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

Education System

- National Institute of Technology Delhi has adopted the New Education Policy (NEP), 2020 from Academic year 2022-23
- Institute is working on improving education in several ways as outlined by the National Education Policy 2020. Firstly, curriculum has been upgraded for both bachelor's and master's degrees to match the new guidelines. Secondly, the facility for students to move their academic credits between different colleges and universities through the Academic Bank of Credit (ABC). Additionally, introduction of minor degree options for undergraduate students, has allowed them to study a secondary subject of interest alongside their major. Under NEP, instititute has ensured that students are gaining practical experience through mandatory internships lasting six months for undergraduates and one year for postgraduates. Students receive guidance and support not only from their professors but also from industry and research experts when working on their academic projects and research papers. Institute has started Post-Doctoral Fellowship Program to encourage advanced research. To inspire both students and faculty to engage in meaningful research and innovation, Institute is providing incentives for publishing research papers, creating patents, and completing impactful projects. Collaboration with industry and research organizations will give students real-world exposure to current challenges. Lastly, the Institute is fostering partnerships with well-regarded foreign universities for student and faculty exchange programs to encourage global learning and collaboration. These changes are aimed at enhancing the overall education experience and preparing students for a successful future.

Course Offered

- **Bachelor of Technology (B.Tech.)**
  - Electrical Engineering
  - Electronics and Communication Engineering
  - Computer Science and Engineering
  - Civil Engineering
  - Mechanical Engineering
  - Artificial Intelligence and Data Sciences
- **Master of Technology (M.Tech.)**

- Computer Science and Engineering
- Computer Science and Engineering (Specialization in Analytics)
- Electronics and Communication Engineering
- Electrical Engineering (Specialization in Power Electronics and Drives)
- Electronics and Communication Engineering (VLSI)
- Mechanical Engineering (Specialization in Computer-aided Design/Computer-aided Manufacturing)
- Computer Science and Engineering (Analytics)
- Computer Science and Engineering
- Power and Energy Systems
- Power Electronics and Drives
- Electronics and Communication Engineering
- Electronics and Communication Engineering (VLSI Design)
- Mechanical Engineering (CAD/CAM)
- Mathematics and Computing
- Smart Materials and Technology

- **Doctorate of Philosophy (PhD)**
  - Physics
  - Chemistry
  - Mathematics
  - Environmental Science and Engineering
  - Civil Engineering
  - Computer Science and Engineering
  - Electronic and communication Engineering
  - Electrical Engineering
  - Mechanical Engineering
- **Academic Session(s)**
  - Autumn semester: August, 2023 – December, 2023
  - Spring semester: January, 2024 – May, 2024

Campus Details

- NIT Delhi has started its academic session in 2010 with three undergraduate B.Tech degree programmes in Computer Science and Engineering, Electronics and Communication Engineering and Electrical and Electronics Engineering. The academic activities of NIT Delhi were initiated at NIT Warangal in year 2010 which later moved to a temporary campus at Dwarka, New Delhi in June 2012 and after that, upto Februray 2022 it was running at IAMR Campus, Narela and presently since February 2022 at its permanent campus at GT Karnal Road, Delhi – 110036. Presently more than 1100 students are studying at Campus in different branches at UG, PG and Phd.

Status of Permanent Campus

- Possession of fifty one acr land has been allotted for permanent campus of NIT Delhi on NH-1, Narela sub city, New Delhi. Phase IA construction of the permanent campus has been completed which includes Admin Block, Mini Campus, Start-up Center Building and Play Ground and Phase IB of the permanent campus (includes Academic Blocks, Sports Complex, Hostels, Residential Blocks, Director residence etc.) which is under construction through executing agency TCIL, The prime engineering and consultancy company.
- In addition to that a Football Ground, Athletic Track, Badminton Court, Basketball Court, Swimming Pool etc. are also under construction at different location of the campus.

Contact: National Institute of Technology Delhi

- National Institute of Technology Delhi
- Plot No. FA7,Zone P1,
- GT Karnal Road, Delhi-110036
- Tel: 011 – 33861000-1006 Fax: 011 – 27787503
- Email: director@nitdelhi.ac.in (Director)
- Website: www.nitdelhi.ac.in
- Working Hours: 09:00 AM to 05:30 PM (Monday to Friday)

FACULTY/STAFF MEMBERS AND ADMINISTRATION

Members of the Board of Governors (2023-2024)

Sh. C. K. Birla Chairman, C. K. Birla Group	Chairperson
Prof (Dr.) Ajay K. Sharma Director NIT Delhi	Member
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 T R Sreekrishnan, Professor Dept. of Biochemical Engineering and Biotechnology, IIT Delhi	Member
Prof. Geeta Sikka Professor, Dept. of Computer Science and Engineering, NIT Delhi	Member
Dr. V. S Pandey, Associate Professor, Department of Applied Sciences, NIT Delhi	Member
Shri Rajeev Saraf, Technopreneur Lepton Software Export & Research Pvt. Ltd Gurugram	Member
Shri Gopal Mohan, Advisor, Delhi Dialogue Commission Delhi	Member
Sh. Ravinder Kumar, Registrar, NIT Delhi	Secretary

Members of the Finance Committee (2023-2024)

Prof (Dr.) Ajay K. Sharma Director 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
Prof. Geeta Sikka Professor, Dept. of Computer Science and Engineering, NIT Delhi	Member
Dr. V. S Pandey, Associate Professor, Department of Applied Sciences, NIT Delhi	Member
Sh. Ravinder Kumar, Registrar, NIT Delhi	Member Secretary

Members of the Building & Works Committee (2023-24)

Prof (Dr.) Ajay K. Sharma Director NIT Delhi	EX-officio Chairman
One Member nominated by the Central Government not below the rank of Director or Deputy Secretary	Member
Nominated by the board of Governors	Member
Prof. Nirendra Dev Professor and Head of the Civil Engineering Department, Delhi Technological University, Delhi	Member

Er. Rajesh Kumar Superintending Engineer (Civil), CPWD	Member
Er. Vivek Gupta Superintending Engineer (Elect.), CPWD	Member
Dean (Planning & Development)	Member
Sh. Ravinder Kumar, Registrar, NIT Delhi	Member Secretary

(A). Details of Teaching Staff as on 31st March 2024 (Posts Sanctioned & filled)

Details of Faculty (Vacant and Filled in Position as on 31st March, 2024)

S. No.	Post Name	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	Pay Level 14A	**7**	5	1	0	1	0	**4**	4	0	0	0	0	**3**	01	1	0	1	0
2	Associate Professor	Pay Level 13A2	**14**	7	2	1	3	1	**17**	14	2	0	1	0	**-3**	-7	0	1	2	1
3	Assistant Professor*	Pay Level 10/11/12	**29**	14	4	2	7	2	**22**	8	4	1	9	0	**7**	6	0	1	-2	2
Total			**50**	**27**	**6**	**3**	**11**	**3**	**43**	**26**	**6**	**1**	**10**	**0**	**07**	**0**	**1**	**2**	**1**	**3**

(B) Deans during 2023-24

S.No.	Name	Designation	From	To
1.	Dr. Amit Mahajan	Dean (Planning and Development)	01.04.2023	30.04.2023
	Dr. Obbu Chandra Sekhar		01.05.2023	31.03.2024
2.	Dr. V.S. Pandey	Dean (Faculty Welfare)	01.04.2023	31.03.2024
3.	Dr. Harish Kumar	Dean (Academics)	01.04.2023	31.03.2024
4.	Dr. Anurag Singh	Dean (Research & Consultancy)	01.04.2023	31.03.2024
5.	Dr. Anuj Kumar Sharma	Dean (Student Welfare)	01.04.2023	07.07.2023
	Dr. Jyoteesh Malhotra		07.07.2023	31.03.2024

(C) HoD's during 2023-24

S.No.	Name	Designation	From	To
1.	Dr. Manoj Kumar	Head of Department (Electronics and Communication Engineering)	01.04.2023	31.03.2024
2.	Dr. Geeta Sikka	Head of Department (Computer Sciences and Engineering)	01.04.2023	31.03.2024
3.	Dr. Leeladhar Nagadeve	Head of Department (Mechanical Engineering)	01.04.2023	31.03.2024
4.	Dr. Amit Pratap Singh	Head of Department (Applied Sciences)	01.04.2023	31.03.2024
5.	Dr. Ajay Kumar	Head of Department (Civil Engineering)	01.04.2023	31.03.2024
6.	Dr. Obbu Chandra Sekhar	Head of Department (Electrical & Electronics Engineering)	01.04.2023	30.04.2023
	Dr. Anmol Ratna Saxena		01.05.2023	07.07.2023
	Dr. Ujjwal Kumar Kalla		07.07.2023	01.01.2024
	Dr. Anmol Ratna Saxena		01.01.2024	31.03.2024

(D). Non-Teaching Staff as on 31st March 2024

Group A

S. No.	Post Name	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	Pay Level - 14	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
2	Deputy Registrar	Pay Level - 12	2	2	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0
3	Assistant Registrar	Pay Level - 10	2	2	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0
4	Deputy Librarian	Pay Level - 12	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
5	SAS Officer	Pay Level - 10	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
6	Medical Officer	Pay Level - 10	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
7	Executive Engineer	Pay Level - 10	1	1	0	0	0	0	1	1	0	0	0	0	0	0				
Total			**9**	**9**	**0**	**0**	**0**	**0**	**6**	**6**	**0**	**0**	**0**	**0**	**3**	**3**	**0**	**0**	**0**	**0**

Group B

S. No.	Post Name	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	Pay Level - 6	22	14	2	1	4	1	3	3	0	0	0	0	19	11	2	1	4	1
2	Senior Technical Assistant	Pay Level - 7	2	2	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
3	Junior Engineer	Pay Level - 6	2	2	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
4	Personal Assistant	Pay Level - 6	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
5	Superintendent	Pay Level - 6	6	5	0	0	1	0	1	1	0	0	0	0	5	4	0	0	1	0
6	SAS Assistant	Pay Level - 6	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0

7	Library and Information Assistant	Pay Level - 6	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Total			**35**	**26**	**2**	**1**	**5**	**1**	**9**	**9**	**0**	**0**	**0**	**0**	**26**	**17**	**2**	**1**	**5**	**1**

Group C

S. No.	Post Name	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	Junior Assistant	Pay Level - 3	8	7	0	0	1	0	5	2	1	0	2	0	3	5	-1	0	-1	0
2	Senior Assistant	Pay Level - 4	6	6	0	0	0	0	3	3	0	0	0	0	3	3	0	0	0	0
3	Assistant SG-II	Pay Level - 5	2	2	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0
4	Technician	Pay Level - 3	11	8	1	0	2	0	5	4	0	0	1	0	6	4	1	0	1	0
5	Senior Technician	Pay Level - 4	16	12	2	0	2	0	4	4	0	0	0	0	12	8	2	0	2	0
6	Pharmacist	Pay Level - 5	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
7	Office Attendant	Pay Level - 1	7	5	1	0	1	0	3	2	1	0	0	0	4	3	0	0	1	0
8	Lab Attendant	Pay Level - 1	5	4	0	0	1	0	2	1	0	0	1	0	3	3	0	0	0	0
9	Senior Office Attendant / Senior Lab Attendant	Pay Level - 2	2	2	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
Total			**58**	**47**	**4**	**0**	**7**	**0**	**24**	**18**	**2**	**0**	**4**	**0**	**34**	**29**	**2**	**0**	**3**	**0**

(E). Administrative and Technical Staff during the Year 2023-24 as on 31st March 2024

S. No.	Name of Employee	Designation	Department
1.	Sh. Ravinder Kumar	Registrar	Administration
2.	Dr. Manisha Singh	Assistant Registrar	Administration
3.	Dr. Gareema Sharma	Deputy Librarian	Central Library
4.	Dr. Anidev Singh	SAS Officer	Students Activity & Sports
5.	Dr. Karan Malhotra	Medical Officer	Health Centre
6.	Sh. Ankit Sharma	Executive Engineer	Estate Office

7.	Sh. Rahul	Personal Assistant	Director Office
8.	Ms. Pragya Yadav	Superintendent	Academic Section
9.	Sh. Sumit Sharma	Senior Technical Assistant (CSE)	ERP Cell
10.	Sh. Surender Kumar	Senior Technical Assistant (ECE)	Electronics Communication & Engineering
11.	Sh. R.V. Bhaskaran	Technical Assistant (EE)	Electrical & Electronics Engineering
12.	Sh. Dishendra	Technical Assistant (CSE)	Computer Science and Engineering
13.	Sh. Soni Jatinkumar Maheshbhai	Technical Assistant(EE)	Electrical Engineering
14.	Sh. Sajal Gupta	Junior Engineer (Civil)	Estate Office
15.	Sh. Hemant Sharma	Junior Engineer (Electrical)	Estate Office
16.	Sh. Aadesh Kumar	Senior Technician (Physics)	Applied Sciences (Physics)
17.	Sh. Pradeep Singh	Senior Technician (CSE)	Computer Science and Engineering
18.	Ms. Shalini Singh	Senior Technician	Applied Sciences
19.	Sh. Krishan Pal	Senior Technician (Mechanical)	Mechanical Engineering
20.	Sh. Raushan Kumar	Technician (CSE)	Computer Centre
21.	Sh. Vikas Bhardwaj	Technician (CSE)	Computer Science & Engineering
22.	Ms. Rubal	Technician (Environmental Sciences)	Civil Engineering
23.	Sh. Shubham Bhardwaj	Technician (Chemistry)	Applied Sciences (Chemistry)
24.	Sh. Amit Kumar Tiwari	Technician(ECE)	Electronics and Communication Engineering
25.	Sh. Jitender Singh Bisht	Senior Assistant	Store and Purchase
26.	Ms. Aditi Kandari	Senior Assistant	Estate Office
27.	Sh. Punya Bansal	Senior Assistant	Registrar Office/ Establishment Section
28.	Ms. Anupriya Das	Senior Assistant	Academic Section
29.	Ms. Navisha Sharma	Junior Assistant	Applied Sciences
30.	Sh. Akkashh Bharadwaj	Junior Assistant	Accounts Section
31.	Sh. Yash Sharma	Junior Assistant	Establishment Section
32.	Sh. Pravesh Kumar Ranga	Junior Assistant	Electronics and Communication Engineering
33.	Sh. Lov Kumar Dubey	Senior Office Attendant	Central Library/Applied Sciences/ Mechanical Engineering
34.	Sh. Bharat Singh	Senior Office Attendant	Applied Science
35.	Sh. Udit Sharma	Office Attendant	Academics
36.	Ms. Tripti	Office Attendant	Accounts Section
37.	Mr. Pranjal Gaur	Office Attendant	AR Office
38.	Ms. Chanchal	Lab Attendant	Electrical Engineering
39.	Sh. Jatin	Lab Attendant	Computer Science and Engineering

(F). Faculty on Temporary and Contractual basis during the year 2023-24 as on 31st March 2024

S. No.	Name	Designation	Department
1.	Dr. Dimpy Chauhan	Assistant Professor	Applied Sciences (Mathematics)
2.	Dr. Yaisna Rajkumari	Assistant Professor	Applied Sciences (English)
3.	Ms. Deepti Singh	Assistant Professor	Applied Sciences (Humanities and Management)
4.	Dr. Preeti Mehta	Assistant Professor	Computer Science and Engineering
5.	Dr. Vishal Gupta	Assistant Professor	Computer Science and Engineering
6.	Sh. Arjun Singh Rawat	Assistant Professor	Computer Science and Engineering

ACADEMIC ACTIVITY

1. Introduction

Admission of students into undergraduate programme (B.Tech.) in Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), and Electrical & Electronics Engineering (EEE) started from the academic session 2010-11 with first batch of 30 students in each discipline. The academic activities of NIT Delhi were initiated at NIT Warangal in the year 2010 which later moved to a temporary campus at Dwarka, New Delhi in June 2012 and then at NILERD Transit Campus, Narela, Delhi in February 2014 with limited space of about 17 acres. In Feb 2022, NIT Delhi commenced its academic and administrative activities from permanent campus located at G T Karnal Road, Delhi. Phase 1A of the construction of the permanent campus is completed. The campus is being built over the 51 acres of land strategically located over the intersection of 2 national highways.

From the academic year 2013-14, the student's intake in each discipline of B.Tech programme was increased to 60, which further has been enhanced to 75 from academic year 2021-22. M.Tech programme in the discipline of Electronics and Communication Engineering with student intake of 15 students was started from the academic year 2013-14 and in Computer Science and Engineering (Analytics) with an intake of 15 students in the academic year 2014-15. The M.Tech programmes were also started in Mechanical Engineering (CAD/CAM) from academic year 2016-17, while, the M.Tech programmes in Electronics and Communication Engineering (VLSI Design), Electrical Engineering (Power Electronics and Drives) and Applied Sciences (Smart materials) from started from academic year 2017-18. Admissions to all the UG programmes are through an all India level competitive exam (JEE-Main) followed by centralized counseling process of JoSAA and for all PG programmes on the basis of valid GATE score followed by centralized counseling process of CCMT. Intake to M.Tech programmes was increased to 18/ 19 in the academic year 2021-22, which further has been increased by 15 additional seats in each programme from academic year 2022-23 for the candidates without GATE Score/ Self financed/ Sponsored candidates. It is worthy to mention herewith that from academic year 2022-23, the Institute is starting M.Tech (Part-Time) programmes in Mechanical Engineering (CAD/CAM) and Electronics and Communication Engineering with an intake of 30. The M.Tech programme in Mathematics and Computing through CCMT and SFS was started from the academic year 2023-24 with an intake of 10 and 15 students respectively. Full time and part time M.Tech programme was also started in Power and Energy Systems through CCMT and SFS from the academic year 2023-24. The B.Tech programme in Artificial Intelligence and Data Sciences (AI&DS) was started from the academic year 2023-24 with an intake of 30 students. The Minor Degree programme was started in two departments (Computer Science and Engineering & Electronics and Communication Engineering) from the academic year 2022-23. The students admitted through CCMT for M. Tech. are granted Half-Time Teaching Assistantship (HTTA) as per MoE/ Govt of India norms.

2. Introduction of NEP 2020 and its features.

a. Key Principles of National Education Policy, 2020

The National Education Policy of 2020 is built on eight fundamental principles that pave the way for a more inclusive and effective educational system. Firstly, it emphasizes respect for diversity and local context, aiming to infuse this into every aspect of curriculum, pedagogy, and policy. Equity and inclusion are designated as the bedrock of all educational decisions, ensuring that no one is left behind. The policy underscores the importance of community participation, encouraging philanthropic, private, and community involvement in education. Leveraging technology to overcome language barriers is another key facet, enabling better teaching and learning experiences. Instead of rote learning, the focus shifts towards conceptual understanding for exams. Recognizing each student's unique capabilities is crucial, unlocking their full potential. Critical thinking and creativity are championed to enhance logical decision-making and innovation. Lastly, continuous review and assessment by education experts ensure a

dynamic and evolving educational landscape. These eight principles collectively work to shape a more accessible, diverse, and forward-thinking education system.

b. Skill and Learning Based Cirriculum

The Institute has taken a significant step in enhancing the learning experience for students pursuing BTech and MTech programs, starting from the academic year 2022-23. The curriculum has been thoroughly revised to adopt a learning-centric approach, providing ample opportunities for skillful education. A notable feature is the integration of laboratory courses from the very beginning of these programs, offering a broad spectrum of electives to students. Each department now operates with an independent Board of Studies (BoS) tasked with reviewing and aligning the curriculum with specific requirements. Crucially, industry experts are actively involved in these BoS, ensuring a close tie to the industry's needs. These boards convene in regular periodic meetings, usually held every three months, to submit recommendations swiftly and keep the curriculum synchronized with evolving industrial demands. To ensure students are consistently updated and industry-ready, the Institute is also organizing regular lectures by industry experts. This approach aims to equip students with the necessary skills and knowledge essential for a successful future in their respective fields.

c. Multi-Exit and Re-Entry

The National Education Policy of 2020 has been put into action for both undergraduate (UG) and postgraduate (PG) programs, introducing a flexible structure with multiple entry and exit points. For UG programs, students can opt to exit after the first year, receiving a Certificate for completing 40 credits. Exiting after the second year warrants a Diploma (80 Credits), and upon completing the third year (120 Credits), an Advanced Diploma is awarded. Those who continue and complete four years (160 Credits) earn a BTech Degree. Similarly, in PG programs, students can choose to exit after the first year, obtaining a PG Diploma for fulfilling 40 credits. On the other hand, completing two years (80 Credits) leads to the conferment of an MTech Degree. Additionally, a student has the option of re-entry into the program within three years from the stage they left. This innovative approach aims to accommodate diverse educational paths and suit the individual needs and circumstances of learners.

d. Minor Degree

To earn a Minor degree, a student must accumulate a minimum of 18 credits, achieved through four subjects, each comprising theory and lab components, with four credits assigned to each subject. Additionally, a minor project contributing two credits is required, to be completed in the 7th or 8th semester. Students have the option to pursue a Minor Degree after completing the 4th semester, with a maximum allowance of studying two subjects in a single semester. The enrollment for a Minor Degree program is open to a minimum of 10 students and can accommodate a maximum of 60 students. The institute has introduced Minor Degree programs in areas such as Artificial Intelligence and Machine Learning (AIML), System on Chip (SoC) Design, Reliability Engineering, and plans to introduce more based on industry demands.

e. Academic Bank of Credits (ABC)

ABC functions as an academic bank, mirroring the operations of commercial banks in the financial realm but tailored for academic purposes. In this setup, students are akin to account holders, and ABC extends various services such as credit verification, credit accumulation, credit transfer or redemption, and authentication of academic awards. Eligible students from Higher Educational Institutions (HEIs) have the opportunity to utilize the services provided by ABC. A crucial criterion is that a minimum of 10 students and a maximum of 60 students can opt for a Minor degree within this system. Moreover, credits earned by undertaking courses in registered HEIs during or after the academic year 2021-2022 are eligible for credit transfer, credit accrual, and credit redemption through the academic bank of credits. It's important to note that students must acquire at least 50% of their credits from the parent institution where they are enrolled in a program. This innovative approach aims to facilitate smoother academic processes and enhance the overall educational experience for students.

f. Internship: Pathway for Industrial Readiness

The internship duration for MTech and PhD students is set to be a minimum of 3 months and can extend up to a maximum of 12 months. For BTech students, the internship duration is fixed at 6 months. To commence an internship, students need a No Objection Certificate (NOC), which will be issued by the Head of the concerned Department. This NOC will serve as formal approval for the student to report to the organization where the internship is taking place. The Head of Department will notify the Dean (Academic) and the Head of Training and Placement Cell for their records. During the internship, students are required to present progress reports and undergo examinations related to their minor and major projects or dissertations according to the academic schedule of the Institute, with no exceptions or relaxations. Moreover, any knowledge generation during the internship, such as paper publications, reports, patents, copyrights, etc., will involve the Institute as a partner, and no such filings should occur without the Institute's knowledge. Additionally, any financial gains resulting from intellectual property rights or commercial development linked to the internship will be shared equally with the Institute. This framework ensures a structured and collaborative approach to internships, benefiting both the students and the Institute.

g. MOOC Courses and online Courses

Students are actively encouraged to diversify their learning by enrolling in online courses, with a maximum allowance of 20% of the curriculum being completed through online platforms like NPTEL, Coursera, and Infosys Springboard. In a bid to offer a broad spectrum of specialized knowledge, departments are prompted to introduce elective courses, both departmental and open, focusing on niche areas. Students are motivated to enroll in these electives through online portals, enhancing their exposure to varied topics. Additionally, half of the courses in a Minor Degree program can be completed via MOOCs (Massive Open Online Courses), NPTEL, Coursera, and similar platforms. For students in the 8th semester of BTech and PhD researchers, internships provide valuable hands-on experience and are highly beneficial. Looking ahead, the institute has plans to initiate online courses in industry-oriented disciplines and key focus areas, aiming to up-skill technocrats already working in the industry. This approach embraces digital education and aims to provide a rich and flexible learning environment for students and professionals alike.

h. Academia-Industry-Research (AIR) Synchronization

Students at the institute are strongly encouraged to engage with real-time industry challenges as a fundamental aspect of their project work during their PhD, MTech, and BTech programs. This involvement often includes collaboration with industry mentors and research organizations who serve as co-supervisors, enriching the academic experience. Many students who are concurrently employed in esteemed organizations like DRDO, CSIR, ISRO, and various industries have made substantial contributions by collectively addressing critical industrial and research problems. The institute actively embraces the expertise of professionals from the research and industry sectors by appointing them as adjunct or visiting faculty, as well as Professors of Practice for durations ranging from 3 months to 1 year. This approach aims to provide students with valuable practical insights and knowledge. In recent years, numerous PhD, MTech, and BTech projects have been successfully supervised through collaborative efforts between institute faculty and research or industry experts. Looking forward, the institute is keen on mandating faculty participation in academic-industry-research interactions, fostering a culture of collaboration and mutual growth.

i. Part-Study/Exchange at IITs/NITs/GFTIs/Overseas Institutions

In an effort to enrich the academic experience, students are provided with an opportunity to complete a semester at prestigious institutions such as IITs, NITs, GFTIs, and overseas institutes during their BTech, MTech, or PhD course. The courses taken during this period are carefully aligned with the curriculum at the host institution, and grades attained are suitably mapped. Despite being awarded a degree by NIT Delhi, this flexibility enables students to learn and benefit from the best courses offered outside their home institute. To facilitate such exchanges and academic

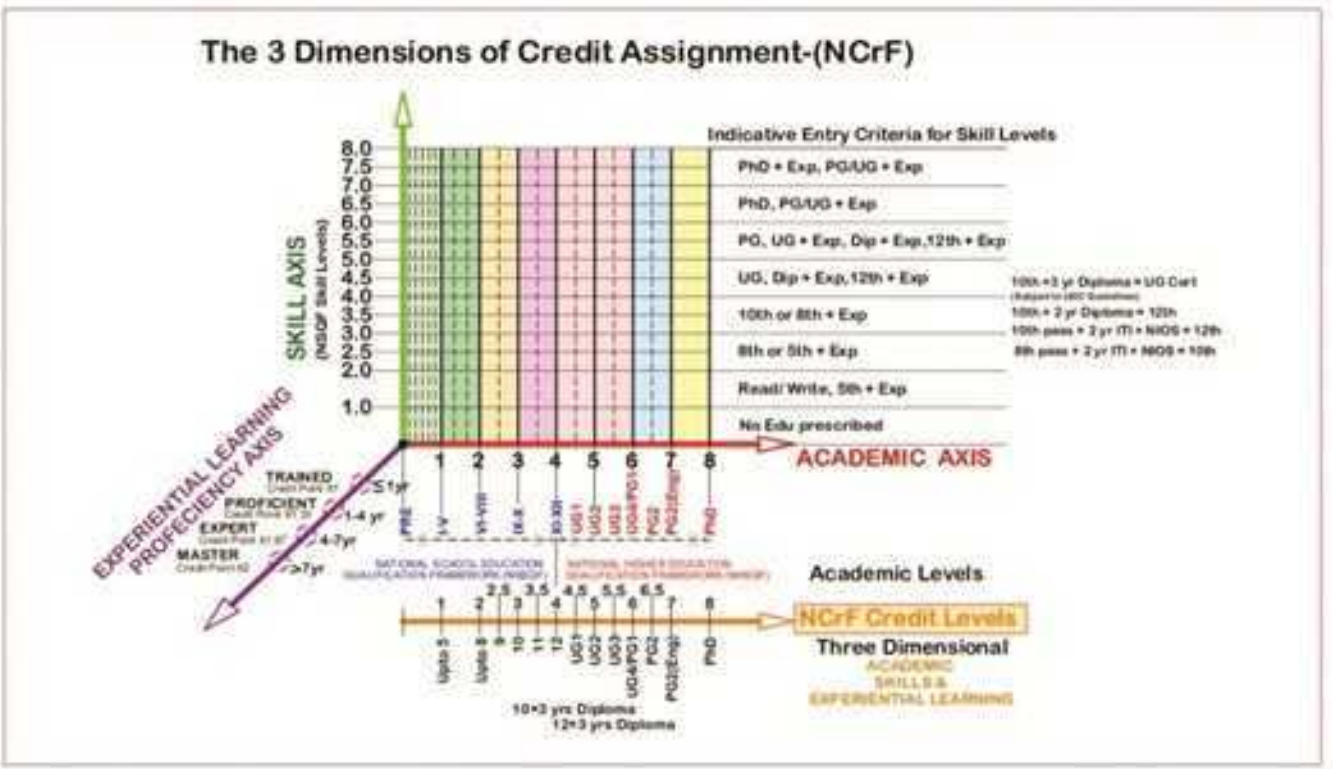
endeavors, the institute has established several Memorandums of Understanding (MoUs) with IITs, NITs, GFTIs, and overseas institutions, fostering academic collaboration and student exchanges. Starting from the academic year 2022-23, the option of part-study has been implemented, extending its benefits to BTech, MTech, and PhD students, further broadening the educational horizons for aspiring learners.

j. Earn while Learn scheme (EWL) for meritorious students

This scheme aims to offer part-time engagement opportunities to students in need, striving to alleviate their financial challenges. The potential options for part-time engagement encompass various roles such as assisting in research projects, library assignments, computer services, data entry, and laboratory assistance. Students engaging in these roles will receive a consolidated hourly remuneration, with a cap of 20 hours per week and 20 days per month for their services. Payment will be based on the actual hours worked, and these engagements will take place after regular class hours. The primary objective is to lessen the economic burdens of learning, fostering adaptability among students. Additionally, this initiative provides a platform for students to refine their personality, acquire technical skills, and nurture entrepreneurial abilities, ultimately enabling them to swiftly transition into professional roles.

k. National Higher Education Qualification Framework (NCrF)

Starting from the academic year 2023-24, the institute has planned to implement the National Credit Framework (NCrF), aligning with the recommendations put forth by the Ministry of Education. The NCrF is designed to revolutionize the educational landscape by allowing students and learners to accumulate credits within an 'Academic Bank of Credits.' These credits can later be redeemed to attain certificates, diplomas, or degrees, providing individuals with the flexibility of multiple entry and exit points in the education system. This approach emphasizes lifelong learning and encourages a dynamic, inclusive educational environment, fostering continuous skill development and academic growth for students at all stages of their learning journey.



Summary in a nut-shell

The institute is actively aligning its curriculum with the National Education Policy of 2020 (NEP 2020), focusing on undergraduate (UG) and postgraduate (PG) programs. A key initiative involves encouraging students to participate in the Academic Bank of Credit (ABC) system, allowing them to accumulate and redeem credits for certificates, diplomas, or degrees. Furthermore, a Minor Degree option has been introduced for UG programs, offering additional learning opportunities. For a comprehensive educational experience, mandatory internships of 6 months and 1 year have been implemented for UG and PG students, respectively. In thesis supervision and doctoral guidance, there is a concerted effort to involve both academia and industry or R&D experts for a well-rounded approach. The institute is also launching a Post Doctoral Fellowship Program, promoting advanced research. Faculty and students are incentivized and motivated to engage in research publications, patents, and projects. Collaboration with industry and R&D organizations provides exposure to real-time challenges, and partnerships with reputable foreign academic institutions (with QS ranking up to 500) are sought to facilitate exchange programs for students and faculty, enhancing the overall academic environment.

3. Academic Departments with sub –branches:

In order to give boost, the research activities, the Ph.D. programmes were also started from January 2014 and currently, the Institute is offering Ph.D. in the different disciplines including Computer Science and Engineering, Electronics and Communication Engineering, Electrical Engineering, Mechanical Engineering, Environmental Sciences, Chemistry, Physics, Mathematics, Humanities & Management and Inter-disciplinary areas.

S. No.	Name of the Department/ Branch	Sub-Branches	Code
1.	Applied Sciences		ENV
		Chemistry	CY
		Mathematics	MA
		Physics	PH
2.	Computer Science and Engineering		CSE
	Computer Science and Engineering (Analytics)		CSA
3.	Electrical Engineering		EE
4.	Electronics and Communication Engineering		ECE
5.	Civil Engineering	Environmental Sciences	CE
6.	Mechanical Engineering		ME
7.	Humanities and Management		HM

4. Academic Programmes Offered and Sanctioned Intake:

B. Tech. Programmes	M. Tech. Programmes	Ph.D. Programmes
Computer Science and Engineering (CSE) - 120 + DASA Electrical Engineering (EE) - 70 + DASA Electronics and Communication Engineering (ECE) - 70 + DASA Mechanical Engineering (ME) - 50+ DASA Civil Engineering (CE) - 30+DASA Artificial Intelligence and Data Sciences (AI&DS) – 21 (+ 1 Female Supernumerary) + DASA	Computer Science and Engineering (Analytics) - 18 Computer Science and Engineering -15 Power and Energy Systems - 8 Power Electronics and Drives - 13 Electronics and Communication Engineering - 13 Electronics and Communication Engineering (VLSI Design) - 19 Mechanical Engineering (CAD/CAM) - 13 Mathematics and Computing - 8 Smart Materials and Technology - 6	Computer Science and Engineering (CSE) Electrical Engineering (EE) Electronics and Communication Engineering (ECE) Mechanical Engineering Civil Engineering Chemistry Physics Mathematics Environmental Science and Engineering

5. Student Statistics:

Admitted Students at UG & PG Level (2023-2024)								
Course/ Category	Open	SC	ST	DASA	EWS	OBC	PWD	Total
UG (6 branches)	93	53	30	19	53	106	7	361
PG (5 branches)	30	10	2	NA	8	26	1	77

Branch - Wise Admission at UG Level (Category Wise) (2023-2024) – B.Tech								
Course	Open	SC	ST	OBC	DASA	EWS	PwD	Total
CSE	29	18	9	37	13	21	2	129
ECE	19	11	6	20	4	9	1	70
EE	21	10	5	21	0	9	1	67
ME	15	6	4	14	0	5	1	45
CE	4	5	3	9	0	5	1	27
AI&DS	5	3	3	5	2	4	1	23
Total	93	53	30	106	19	53	7	361

Branch - Wise Admission at PG Level (Category Wise) (2023-2024) – M.Tech							
Course	Open	SC	ST	OBC	EWS	PwD	Total
CSE	6	1	1	4	2	0	14 (15)*
CSE (Analytics)	6	3	0	5	2	1	17 (15)*
ECE	5	1	0	2	0	0	8 (8)*
ECE (VLSI)	6	2	1	6	3	0	18 (14)*
MC	2	1	0	3	1	0	7 (3)*
CAD/CAM	0	1	0	2	0	0	3 (15)*
PES	1	0	0	2	0	0	3 (11)*
PED	4	1	0	2	0	0	7 (11)*
Total	30	10	2	26	8	1	77 (92)*

***SFS (Self Finance Scheme)**

6. Academic Session:

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. It may be ensured that the number of effective teaching days in a semester is 70 (approximately). The Institute working hours is usually from 9:00 AM to 5:30 PM. However, few academic classes are also scheduled from 8:30 AM to arrange appropriate number of lecture hours/ course.

Courses Offered are available in the Institute website:

Website>Academics>Academic>System>Course Curriculum>B. Tech Curriculum/ M. Tech Curriculum

7. Programme Structure:

B. Tech

Course Structure

i. The course structure is prepared by the departments while taking care prevailing industrial requirements into consideration with no rigid bifurcation or among different type of courses (such as Basic Science courses, Departmental Core Courses, projects etc.).

ii. In addition, it is expected that the course curriculum shall address the above said requirements along with emphasis over adequate weightage to the projects, internship, summer-training etc.

iii. Each semester shall consist of 20 credits to be offered.

Credit System:

Course Code	L (Lecture)	T (Tutorial)	P (Practical)	C (Total Credit)	Tentative No. of class hours/week
XXLB (Lecture Course)	3	0	0	3	Theory Class: 3 hours/ Week
					Tutorial Class: 0 hours/ week
					Practical Class: 0 hours/ week
XXLB (Lecture Course)	3	1	0	4	Theory Class: 3 hours/ Week
					Tutorial Class: 1 hour/ week
					Practical Class: 0 hours/ week
XXBB (Both Lecture and Practical Course)	3	0	2	4	Theory Class: 3 hours/ Week
					Tutorial Class: 0 hour/ week
					Practical Class: 2 hours/ week
XXBB (Both Lecture and Practical Course)	3	1	2	4	Theory Class: 3 hours/ Week
					Tutorial Class: 1 hour/ week
					Practical Class: 2 hours/ week
XXPB (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	--	15
Minimum Credits	Inclusive backlog subject registered in study mode as well as examination mode.	30

M. Tech:

Minimum and Maximum Credit in a Semester:

Education at the Institute is organized around the semester-based credit system of study. A student is allowed to attend classes in a course and earn credit for it, only if he/she has registered for that course. The prominent features of the credit system area process of continuous evaluation of a student's performance/progress and flexibility to allow a student to progress at an optimum pace suited to his/her ability or convenience, subject to fulfilling minimum requirements for continuation. A student's performance/progress is measured by the number of credits that he/she has earned, i.e. completed satisfactorily. Based on the course credits and grades obtained by the student, grade point average is calculated. A minimum grade point average is required to be maintained for satisfactory progress and continuation in the programme.

Based on the course credits and grades obtained by the student, grade point average is calculated. A minimum grade point average is required to be maintained for satisfactory progress and continuation in the programme.

Earning Credits:

At the end of every course, a letter grade is awarded in each course for which a student had registered. On obtaining a pass grade, the student accumulates the course credits as earned credits. A student's performance is measured by the number of credits that he/she has earned and by the weighted grade point average.

Programme Structure:

Duration of M Tech programme is of 4 - semesters. The total course curriculum for an MTech Degree programme will typically consist of the following components. Core Courses (4 Departmental +2 Laboratory + 2 Mandatory) ≥ 24 Elective Courses (5 Departmental + 1 Open) ≥ 18* Dissertation (Sem.III:8Credits+Sem.IV:12Credits) = 20 Independent Study and Seminar = 06 * one of the electives can be replaced by project work with the permission of Dean (R&C) andHOD with equivalent credits of that particular course. The total number of credits for an MTech programme is 80. The semester-wise distribution of credits, courses, and syllabi of all M Tech programmes offered by each department may be implemented after approval of Senate on the recommendations of departmental Board of Studies.

Minimum credits to be earned for the MTech degree=80. In order to qualify for an MTech degree of the Institute, a student is required to earn minimum of 80 credits according to the scheme of instruction for that programme as approved by the Senate.

Semester wise Breakup for credits:

Semester MinimumCreditsrequiredinEachSemester

(Credit break up for each semester)

I	20
II	20
III	20
IV	20

The detailed break up of credits will be given in the course curriculum.

Ph.D.
• Every external/ internal research scholar (Full Time/ Part-time) admitted under Ph.D. Program is required to pass the course work of 14 credits approved by RAC & DPGC within the first two semesters with a minimum of 7.5 CGPA. • Minimum residential requirement: 36 months from the date of first registration. • Minimum publication requirement: Two publications (published or accepted) from original research (not review articles) in refereed SCI-indexed international journals.

8. 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 2nd 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.

9. Academic Excellence awards received to the B. Tech and M. Tech students in the AY 2023-2024:

BACHELOR OF TECHNOLOGY 2019 – 2023 BATCH					
S.No	Roll. No	Name	Branch	CGPA	MEDAL
1	191210045	SAJJA BHAVYESH	Computer Science and Engineering	9.41	President's Gold Medal
2	191220043	SHILPI KUMARI	Electronics and Communication Engineering	9.24	Director's Gold Medal

3	191230001	ARUSHI JAIN	Electrical and Electronics Engineering	8.82	Director's Gold Medal
4	191210034	PALAK AGRAWAL	Computer Science and Engineering	9.00	Director's Gold Medal
5	191230032	PRAFFUL KUMAR	Electrical and Electronics Engineering	8.63	Institute Silver Medal
6	191220036	OWAIS SALIM	Electronics and Communication Engineering	8.72	Institute Silver Medal
7	191220030	KISHAN SRIVASTAVA	Computer Science and Engineering	8.61	Institute Silver Medal
8	191220051	VARDAN AGARWAL	Computer Science and Engineering	8.61	Institute Silver Medal

MASTER OF TECHNOLOGY 2021-2023 BATCH					
S.No	**Roll. No**	**Name**	**Branch**	**CGPA**	**MEDAL**
1	212231012	SHIVAM BHARTI	Electrical And Electronics Engineering (Power Electronics and Drives)	9.20	President's Gold Medal
2	212211009	PANKAJ KUMAR	Computer Science and Engineering (Analytics)	8.97	Director's Gold Medal
3	212211005	GARIMA AGRAWAL	Computer Science andEngineering (Analytics)	8.86	Institute Silver Medal
4	212231016	DEEPANSHU SINGH	Electrical And Electronics Engineering (Power Electronics and Drives)	8.81	Director's Gold Medal
5	212220007	PRABHAT KUMAR SONI	Electronics and Communication Engineering	8.78	Director's Gold Medal
6	212220003	KRITIKA UPADHYAY	Electronics and Communication Engineering	8.69	Institute Silver Medal
7	212221015	RAJAT MISHRA	Electronics and Communication Engineering (VISI)	9.10	Director's Gold Medal
8	212221001	ABHISHEK BEHERA	Electronics and Communication Engineering (VISI)	8.87	Institute Silver Medal
9	212311007	NISHA MISHRA	Mechanical Engineering (CAD/CAM)	8.94	Director's Gold Medal

10. Scholarship/ Assistance ship:

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

S.No.	Name of the Scholarship	Name of the State/ Jurisdiction	No. of application
1	Central Sector Scholarship of Top Class Education For SC Students Ministry of Social Justice & Empowerment	All India	27
2	Post Matric Scholarship For Students With Disabilities	All India	2
3	Scholarship For Top Class Education For Students With Disabilities	All India	3
4	National Felllowship and Scholarship for Higher Education of ST Students-Scholarship (Formally Top Class Education for Schedule Tribe Students) Ministry of Tribal Affairs	All India	28
5	Central Sector Scheme of Scholarship For College And University	All India	13
6	Prime Minister's Scholarship Scheme For Central Armed Police Forces And Assam Rifles	All India	7
7	National Scholarship for Post Graduate Studies (M.TECH)	All India	29
8	PM Yasasvi Central Sector Scheme Of Top Class Education In College For OBC, EBC And DNT Students	All India	35
9	Post Matric Scholarship For Obc Students	Tripura	1
10	Post Matric Scholarship For Obc Students (PMS-OBC) (e-district)	Delhi	2
11	Post Matric Scholarship Schemes For SC (e-district)	Delhi	3
12	Post Matric(outside the state) e-kalyan	Jharkhand	3
13	Scholarship Programme for Diaspora Children (SPDC)	Ministry of external affairs	1
14	Oil and Natural Gas Company scholarship	ONGC foundation	5
15	K L Sharma Sumitra Devi Scholarship Scheme	Director scholarship	1

TRAINING AND PLACEMENT ACTIVITIES

1. Introduction of T&P and its events / activities.

The T&P Cell aims at enhancing the employability of the students while also providing the students with the necessary skillets to grow in their respective fields of interest. The Cell performs the following activities throughout the year:

i. Industry Networking: The T&P Cell establishes and maintains connections with various industries and companies for collaboration.

ii. Internship Opportunities: Facilitates internships of 3rd year and 4th year B.Tech students and 1st year M.Tech students to give the students real-world experience in their chosen field.

iii. Job Placement: Organizes campus recruitment drives to connect the 4th year B.Tech students, 2nd year M.Tech students and Ph.D. students with potential employers.

iv. Seminars and Talks: The T&P Cell organises expert lectures and seminars to offer guidance and skill enhancement services to help students make informed career choices and learn the recent industrial trends.

v. Industry Insights: Keeps students informed about emerging career opportunities.

vi. Feedback Mechanism: Collects feedback from employers to improve placement processes.

vii. Placement Records: Maintains various databases of placements, students and the visiting compaies as a testament to the institution's quality education.

2. Recruiters, Top Recruiters, Highest Package (Branch wise) Recruiters:

Companies that have hired from NIT Delhi		
Accelerize360	Deloitte	MediaTek
Accolite Digital	EXLSERVICE COM LLC	Meesho
Airtel	Fareportal Pvt Ltd	NMTronics
Amantya Technologies	GAN Studio	PIE INFOCOMM
American Express	GENPACT	Practo
Ansys	Goldman Sachs	Qbit Labs Private Limited
Arm Technologies	Growth Jockey	Renesas
Atlassian	Infineon technologies	Samsung Engineering India Pvt Ltd
BlackRock	Intel Technology India Pvt. Ltd	SAMSUNG HEAVY INDUSTRIES INDIA PVT LTD
Bosscoder Academy	Intuit	Samsung Research Institute, Noida
Caastle	ION Group	SIEMENS
Celigo India P. Ltd	LogicFruit	Tata Power - Delhi Distribution Limited
Convegenius Degital	Make My Trip	Thoughtspot
Cvent India Pvt. Ltd.	MAQ Software	Unacademy
D. E. Shaw & Co.	MathWorks India Private Ltd.	Zscaler

Highest CTC Offered

Company Name	CTC in lakhs	Number of offers made
Atlassian	60	1
DE SHAW	50	1
Intuit	44	2
Arm Technologies	35	2
Meesho	34	4
GAN Studio	30	1
Mathworks	25.91	1
Goldman Sachs	24	1
Zscaler	23.5	2
Make My Trip	23	5
Caastle	22	1

Maximum Number of Students hired by

Comapny Name	CTC in lakhs	Number of offers
Convegenius	15	6
Make My Trip	23	5
BlackRock	18	5
Genpact	11.1	5
Meesho	34	4
Deloitte	7.6	4
Cvent	15	3
Airtel	14.75	3
Cubastion	7.7	3
Intellipaat	7.25	3
EXL	6.5	3
Intuit	44	2
Arm Technologies	35	2
Zscaler	23.5	2

Branch Wise Highest Package

B.tech		M.Tech	
Branch	CTC in lakhs	Branch	CTC in lakhs
CSE	50	CSE	7.5
ECE	60	CSE(Analytics)	27
EEE	30	ECE	16
		ECE-VLSI	27
		EEE	16

Student's Coordinators

S. No.	Name	Roll Number	Branch	Course	Year	Role
1	Arnav Tyagi	211230011	EEE	B.Tech	4th	Student's Head
2	Arshita	211210016	CSE	B.Tech	4th	Student's Head

3. Faculty coordinators

1. Prof I/C TnP: Dr. Obbu Chandra Sekhar
2. Training and Placement Officer: Dr. Preeti Verma

4. Contact Details of the respective office:

1. Dr. Obbu Chandra Sekhar
2. Phone: +91 9440343273
3. Email: headtnp@nitdelhi.ac.in
4. Dr. Preeti Verma
5. Phone: +91 9717063730
6. Email: tpo@nitdelhi.ac.in
7. T&P Email: tnp@nitdelhi.ac.in

STUDENT ACTIVITIES

Literary Club "Alphaz"

Coordinator: Dr. Abhishek Mishra

Co-Coordinator: Dr. Gunjan

General Secretary: Mr. Aryan Kashyap

Deputy General Secretaries: Mr. Devansh Gahlawat and Ms. Manjot Kaur Channi

Activity / Event Report	Picture / Poster
AlphaZ, The Literature Club of NIT Delhi conducted a "Slogan and Essay Writing Competition " in both Hindi and English languages under the aegis of Meri Maati Mera Desh programme of the Government of India. The results of the competitions conducted were as follows: Anjita Gargi Chandora (Roll No. 211210010) emerged as the winner of the Slogan Writing Competition (Hindi), while Anubhav Srivastava (Roll No. 231230012) secured the first position in the Essay Writing Competition (Hindi). In the Slogan Writing Competition (English), the best entry was by Kashish (Roll No. 221310030), and in the Essay Writing Competition (English) Devansh Gahlawat (Roll No. 211220017) clinched the top spot. These competitions showcased the participants' creativity and proficiency in expressing their thoughts, contributing to the overall literary and linguistic development of the participants.	
AlphaZ, the Literature Club hosted a poster competition aimed at fostering multilingualism in India and invited participants to create posters that delve deeper into the role, challenges, and benefits of embracing multiple languages in the educational landscape. This competition invited participants to create posters that delve deeper into the role, challenges, and benefits of embracing multiple languages in the educational landscape. The aim was to highlight how the NEP 2020 emphasizes the significance of multilingualism in enhancing learning, cultural understanding, and overall academic growth within Indian higher education.	

Hindi Cell

Chairman: Dr. Abhishek Mishra

Member: Dr. Manoj Kumawat

Member: Lov Kumar Dubey

Activity / Event Report	Picture / Poster
The First Sub-Committee meeting of the Hon'ble Parliamentary Official Language Committee held at the Utsav Sadan, New Police Lines, Kingsway Camp, New Delhi on 29 September 2023 at 3:00 PM in which inspection of National Institute of Technology Delhi was conducted. The annual progress of official language was presented to the Hon'ble Parliamentary Committee by the Director NIT Delhi.	
The Hindi Cell at the National Institute of Technology Delhi organized a series of competitions as part of the Hindi Fortnight celebration from September 14th to 28th, 2023. These included impromptu speech contests, poetry recitals, essay writing, debates, and translation competitions for both students and faculty members. Winners were awarded cash prizes of up to ₹2,000, encouraging enthusiastic participation and fostering a vibrant celebration of the Hindi language and its cultural significance.	

Technical Club

FACULTY COORDINATORS

S. No.	Name	Post
1	Dr. Manoj Kumawat	Faculty Coordinator
2	Dr. Gautam Kumar	Faculty Co-coordinator

STUDENTS TEAM

S. No.	Roll No.	Name	Position
1	201230048	Vaishnv Raju	General Secretary
2	211210056	Sajal Sahu	Deputy General Secretary
3	211230053	Sudhanshu Shrivastava	Deputy General Secretary
4	221230012	Arshpreet Kaur	Executive Member

5	221210119	Vanshika Garg	Executive Member
6	221210114	Utkarsh Trivedi	Executive Member
7	221310041	Sandeep Kumar Prajapati	Executive Member
8	221230011	Anshu Kumar	Executive Member
9	221210121	Veedanshi	Executive Member
10	231220025	Saachi Kandari	Volunteer
11	231210088	Ishita Gupta	Volunteer
12	231210050	Gulshan Kumar	Volunteer
13	231310040	Tej Pratap	Volunteer
14	221210045	Harsh Singh	Volunteer
15	221230017	Bhuvi Mangwani	Volunteer
16	221210082	Priya Pandey	Volunteer
17	231230028	Rupashi Sharma	Volunteer
18	231220027	Harsh	Volunteer
19	231230003	Aryan Sah	Volunteer
20	221230009	Ankit Rattan	Volunteer

Technical Club (UPVISION) EVENTS

Name of the Event:	**TECHPHORIA**
Event date & time:	October 17th, 18th 2023
Event location:	Auditorium, Admin Block, NIT Delhi

Activity/ Event Report	**Pictures/ flyers/ posters**
***UPVISION**, in collaboration with the **Bureau of Indian Standards (BIS) organized TECHPHORIA** on the 17th and 18th October 2023. The first day, 17th October 2023, kicked off with an insightful presentation by BIS officials, emphasizing the importance of adhering to BIS standards in ensuring product quality, safety, and performance. The students were introduced to the **BIS Care app**, a tool that helps consumers verify the authenticity of products through BIS numbers. This interactive session generated enthusiasm among the students, inspiring them to understand and apply these standards in their academic and professional journeys.*	

*On the second day, 18th October 2023, the Director of the institution, Prof. (Dr.) Ajay Kumar Sharma, announced the formation of a **BIS Club** aimed at enhancing students' understanding of Indian standards. The day also included several competitions like quizzes, debates, essays, and poster-making, with enthusiastic participation from the students. Notable winners were recognized for their performances with cash prizes and certificates, contributing to the lively and educational spirit of the event.*

The event concluded with an awards ceremony where the Honourable Director presented merit certificates and cash prizes to the winners of each competition. The collaboration between Technical Club and BIS fostered a deeper appreciation for quality standards among students, inspiring them to carry forward the principles of technical excellence and adherence to standards in their future endeavors.

In conclusion, the triumphant success of TechPhoria 2023 can be attributed to the collaborative efforts of our Director Prof. (Dr.) Ajay K. Sharma, Dean Student Welfare, Prof. (Dr.) Jyoteesh Malhotra, the faculty coordinators, Dr Manoj Kumawat and Dr Gautam Kumar and the General Secretary of the Club, Mr. Vaishnv Raju.

Winners of the various contests in TechPhoria are as follows :

Quiz Competition:

1st Position – Aryan Manav (231230014) - Rs 1000 Cash Prize and Merit Certificate

2nd Position – Sujeet Kumar (231230062) – Rs 750 Cash Prize and Merit Certificate

3rd Position – Shreyja Singh (231230059)– Rs 500 Cash Prize and Merit Certificate

Consolation Prize – Abhishek Chaurasia (231230004)– Rs 250 Cash Prize and Merit Certificate

Consolation Prize – Jay Kumar Verma (231210052) – Rs 250 Cash Prize and Merit Certificate

Debate Competition: *1st Position – Nitya Mittal (221210075) – Rs 1000 Cash Prize and Merit Certificate* *2nd Position – Vaishnv Raju (201230048) – Rs 750 Cash Prize and Merit Certificate* *3rd Position – Japnit SIngh (221230028) – Rs 500 Cash Prize and Merit Certificate* *Consolation Prize – Ankit Singh Patel (221320003) – Rs 250 Cash Prize and Merit Certificate* *Consolation Prize – Jeshna Vinod (231220030) – Rs 250 Cash Prize and Merit Certificate* *Essay Writing Competition:* *1st Position – Mir Asrar (231220038) – Rs 1000 Cash Prize and Merit Certificate* *2nd Position – Vaishnv Raju (201230048) – Rs 750 Cash Prize and Merit Certificate* *3rd Position – Anurag Kumar (231220014) – Rs 500 Cash Prize and Merit Certificate* *Consolation Prize – Hani Kumar (231230024) – Rs 250 Cash Prize and Merit Certificate* *Consolation Prize – Ankit Singh Patel (231320003) – Rs 250 Cash Prize and Merit Certificate*	  

Name of the Event:	**Tech Odyssey 2023**
Event date & time:	22nd November 2023
Event location:	Auditorium, Admin Block, NIT Delhi

Activity/ Event Report	Pictures/ flyers/ posters
UPVISION, the Technical Club of NIT Delhi**, organized the technical extravaganza Tech Odyssey 2023. The event unfolded with enthusiasm and innovation, featuring three captivating events: **the Interbranch Technical Quiz, Interbranch Technical Pictionary, and Interbranch Cryptographic Treasure Hunt. *The Interbranch Technical Quiz consisted of 'Clue for a Flu', 'KBC Round', 'Double Trouble Round' and 'Rapid Fire Round'. This event not only tested the participants' theoretical knowledge but also their quick thinking and problem-solving skills. **CSE Team was the winner.*** *The Interbranch Technical Pictionary round unleash the artistic and technical prowess as the teams communicate complex technical concepts through the power of drawings. **ECE team was the winner.*** *In the Interbranch Crytographic Treasure Hunt, participants embarked on a quest to decrypt clues leading to hidden treasures scattered throughout the site. The intricate puzzles and cryptic messages pushed teams to collaborate, strategize, and showcase their analytical skills. **CSE team won this round.*** *As the day unfolded, participants demonstrated their technical prowess, creativity, and teamwork. The event concluded with an awards ceremony to recognize outstanding performances in each category. Teams and individuals were applauded for their achievements, and the winners were presented with accolades and prizes.* *In conclusion, the triumphant success of Tech Odyssey 2023 can be attributed to the collaborative efforts of Dean Student Welfare, Prof. (Dr.) Jyoteesh Malhotra and the faculty coordinators, Dr Manoj Kumawat, Dr Gautam Kumar, Dr Rishav Singh and Dr Chandra Prakash. In particular, Mr. Vaishnv Raju, the indefatigable General Secretary of the Technical Club emerged as a driving force, providing unwavering leadership and guidance, contributing to the success of Odyssey 2023.*	   

Name of the Event:	Resume Workshop
Event date & time:	2nd January 2024
Event location:	Virtual

Activity/ Event Report	Pictures/ flyers/ posters
Technical Club of NIT Delhi, organized an online session titled "Crafting Careers: Mastering the Art of Resume Building" led by Ms. Arushi Jain, an esteemed alumni from the graduating batch of 2023. The session aimed to highlight the importance of impactful resumes and provide practical insights into creating them. Ms. Jain, drawing from her successful journey, shared valuable lessons on resume building, emphasizing its significance in today's competitive job market. The workshop focused on key components of a compelling resume, effective formatting tips, and strategies for tailoring resumes to specific opportunities. *The objective was to equip students with tools to stand out and empower them on their career paths. Through interactive discussions and practical demonstrations, attendees gained a deeper understanding of resume construction and customization, setting them on the path to professional success.* *Moving on to the components of an ideal resume, Ms. Jain meticulously dissected each element, elucidating the specific details to be included. From crafting an attention-grabbing heading containing essential personal information to curating a compelling first section brimming with impressive achievements, her guidance was both insightful and actionable. She emphasized the significance of quantifying accomplishments and using concise, impactful language to captivate the reader's attention.* *Overall, Ms. Arushi Jain's expert guidance and practical insights transformed the resume-building workshop into a highly enriching and empowering experience for all participants, paving the way for their success in the competitive job market.*	  

In attributing the success of the workshop, it's imperative to acknowledge the collaborative efforts of esteemed individuals whose unwavering support and commitment ensured its fruition. The leadership of Director Prof. (Dr.) Ajay K. Sharma, Dean Student Welfare, Prof.(Dr.) Jyoteesh Malhotra, faculty coordinator Dr. Manoj Kumawat and our General Secretary Mr. Vaishnv Raju all played instrumental roles in shaping the workshop's trajectory and impact.	

Name of the Event:	**CodeON**
Event date & time:	20th March 2024
Event location:	Auditorium, Admin Block, NIT Delhi
Activity/ Event Report	**Pictures/ flyers/ posters**
***CodeON 2024**, held on 20th March, showcased the technical talent of first and second-year students at NIT Delhi. Organized by **the Technical Club**, the one-hour coding event took place on HackerRank, where participants were challenged to solve five coding problems ranging from beginner to advanced levels. The rules were clear, with penalties for incorrect submissions and a focus on efficiency and correctness. The competition was intense, with 50 students eying for top spots, demonstrating their programming skills in a structured and engaging contest.* *The winners in the **first-year category** were **Jesna Vinod**, who secured 1st place by solving the 200-point question with just a 60-second penalty, and **Shivam Patidar**, who earned the 2nd place with a similar solution. In the **second-year category**, **Jugnu Gupta** claimed 1st place by solving three questions for a total of 350 points, while **Shreyansh Gupta** took 2nd place, also scoring 350 points but with a higher penalty time. The student securing the 1st place and 2nd place in each category were awarded cash prizes of Rs 1000 and Rs 500 respectively along with merit certificates.*	 

The event's success was largely due to the tireless efforts of the organizing team, led by Mr. Vaishnv Raju, the General Secretary of the Technical Club. Key contributors like Arshpreet Kaur, Anshu Kumar, Ankit Rattan, and Pradneya Prabhudesai played crucial roles in formulating the contest, while the design and social media teams, including Bhuvi Mangwani and Priya Pandey, ensured smooth promotion and execution. Their combined dedication made CodeON a seamless and impactful event. *Special thanks were extended to the Honorable Director Prof. (Dr.) Ajay K. Sharma, Dean Student Welfare Prof. (Dr.) Jyoteesh Malhotra, and faculty coordinators Dr. Manoj Kumawat and Dr. Gautam Kumar, for their guidance and support. CodeON 2024 concluded with a reflection on the event's success, celebrating the winners, the efforts of the organizing team, and the spirit of innovation that continues to drive the tech community at NIT Delhi.*	

Name of the Event:	**Technical Club Website Launch**
Event date & time:	March 27th 2024
Event location:	Director's Office, Admin Block, NIT Delhi

Activity/ Event Report	**Pictures/ flyers/ posters**
On 27th March 2024, UPVISION, the Technical Club of NIT Delhi, proudly launched its official website, marking a major milestone in the club's evolution. The launch aims to enhance the club's online presence, streamline communications, and provide a comprehensive platform for students, faculty, and tech enthusiasts to explore the club's activities. The website is designed to serve as a hub for information, resources, and opportunities, fostering greater engagement with the technical community at NIT Delhi.	

The website launch event was held in Director's office, with enthusiastic participation from club members and faculty. The event opened with an address by Dr. Manoj Kumawat, the faculty coordinator, who emphasized the club's mission and the importance of the new website in reaching a wider audience. Key features of the website include the home page with messages from the Director, Dean Student Welfare, faculty coordinators, and an events page detailing both past and upcoming activities such as coding competitions, workshops, and hackathons. The image gallery preserves memories of the club's events.

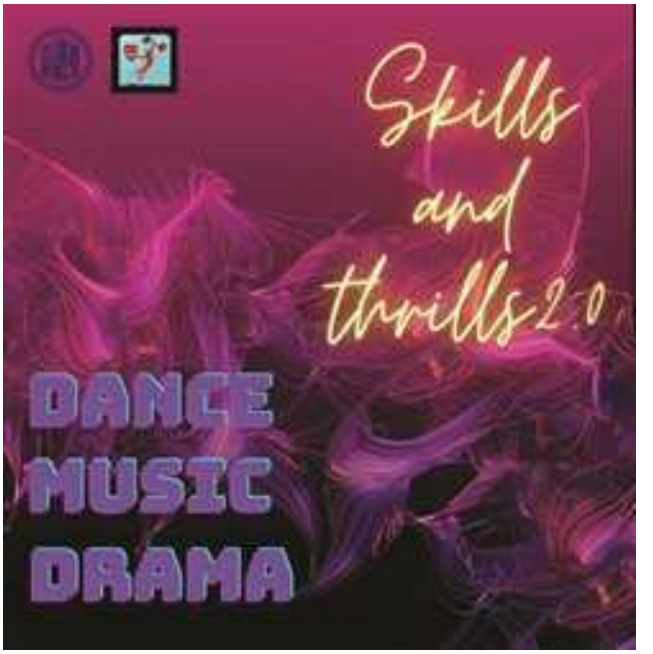
During the event, a live demonstration of the website was conducted by General Secretary Vaishnv Raju, along with executive members Ankit Rattan, Himanshu Gupta, and Priya Pandey. The development team highlighted user-friendly navigation, responsive design, and the integration with social media platforms to extend the club's reach. The site also includes interactive features such as event registration forms and feedback sections, making it easier for users to engage with the club's activities and offerings.

The success of the website launch is a testament to the dedication of the club's leadership, particularly Honorable Director Prof.(Dr.) Ajay K. Sharma, DSW Prof. Jyoteesh Malhotra, and faculty coordinators Dr. Manoj Kumawat and Dr. Gautam Kumar. Special thanks were extended to General Secretary Mr. Vaishnv Raju and the website design team—Ms. Priya Pandey, Mr. Himanshu Gupta, Mr. Ankit Rattan, and Ms. Sharanya Singhal—whose efforts were pivotal in achieving this significant milestone.

CULTURAL CLUB EVENTS

- **SKILLS AND THRILLS 2.0**

Name of the Event:	**SKILLS AND THRILLS 2.0**
Event date & time:	September 25th – October 8th, 2023
Event location:	Social Media Platform (Instagram)

Activity/ Event Report	**Pictures/ flyers/ posters**
Cultural Club *organised an online event on social media platform by the name* ***Skills and Thrills 2.0*** *from 25th September to 8th October 2023.* *Skills and Thrills 2.0 was a resounding success, witnessing an incredible turnout of first-year students showcasing their talents in dance, music, and acting. The event's move to Instagram expanded its reach, engaging a wider audience daily.* *The top performers earned spots in our upcoming cultural event, and cash prizes recognized their exceptional skills. Community support and enthusiasm made this event not just a competition, but a celebration of unity and creativity, carrying forward the tradition's legacy. The event's triumph sets a high standard for future showcases of talent within our college community.* *The finalists were selected based on the responses they received on social media and also by an unbiased judging process by the cultural team. The finalists of the event were selected on* ***October 12, 2023****, from each category.* *The finalists were Alagu Shruti, Krishal Prasad and Vaishnavi K S (dance category), Chhayank and Rayan Sharma (music category), Ann Maria and Aashish Nandan (drama category).* *The finale of the event was conducted on 12 October, 2023. There was indeed a great showcase of talent during the finale.* *Winners of the Skills and Thrills are as follows:* *1st Position - Krishal Prasad (Dance Category) - Rs 1000 Cash Prize and Merit Certificate*	 

1st Position – Chhayank (Music Category) – Rs 1000 Cash Prize and Merit Certificate

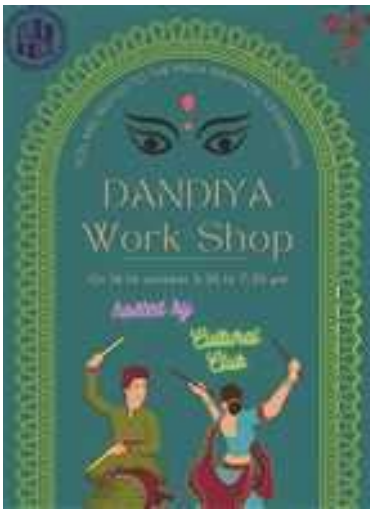
1st Position – Aashish Nandan (Drama Category) – Rs 1000 Cash Prize and Merit Certificate

The objectives of "Skills and Thrills 2.0" were achieved through active participation, successful engagement on Instagram, and the identification of top performers for the upcoming cultural event. The event effectively provided a platform for students to showcase their talents, received a high number of diverse entries, and engaged a broad audience on social media.

Through competition and recognition, the event sought to encourage participation, celebrate creativity, and offer a pathway for top performers to exhibit their skills in our upcoming cultural event. Ultimately, the event aimed to foster a vibrant community spirit and support the development of emerging talent within our college

- **DANDIYA WORKSHOP'23**

Name of the Event:	DANDIYA WORKSHOP'23
Event date & time:	October 14th, 2023
Event location:	Sports Ground, NIT Delhi

Activity/ Event Report	Pictures/ flyers/ posters
Cultural Club *organised a Dandiya Workshop for an upcoming event named Jashn-e—Dandiya to increase the enthusiasm and spirits among the students of NIT Delhi.* *The* ***Dandiya workshop*** *held on October 14th, 2023 at Sports ground was a resounding success. Organized by Cultural Club, the event drew enthusiastic participants eager to learn and immerse themselves in the vibrant art of Dandiya, a traditional Indian dance form.* *Led by skilled instructor, the workshop provided an engaging and informative experience. Participants learned intricate dance steps, the cultural significance of Dandiya, and embraced the festive spirit. The atmosphere was filled with joy, vibrant music, and a strong sense of community.* *Safety measures were meticulously observed, ensuring a secure and enjoyable environment for all attendees. The organizers took full responsibility for the event, making certain that all participants had a fulfilling and memorable experience.* *Feedback from participants was overwhelmingly positive, praising the event's organization, the expertise of the instructors, and the overall celebratory ambiance. The successful execution of the workshop left a lasting impression, fostering cultural appreciation and creating wonderful memories for everyone involved.* *The event focused on skill development, offering participants the opportunity to learn intricate dance steps, rhythms, and techniques, fostering their proficiency in this traditional dance. Moreover, the workshop aimed to create a sense of community by encouraging social interaction and shared experiences among participants. Entertainment and fun were paramount, with lively music and a joyous atmosphere throughout, ensuring a memorable and enjoyable time for all involved.*	  

- **JASHN-E-DANDIYA 2023**

Name of the Event:	JASHN-E-DANDIYA 2023
Event date & time:	October 18th – 19th, 2023
Event location:	Sports Ground, NIT Delhi

Activity/ Event Report	Pictures/ flyers/ posters
The Cultural Club was thrilled to announce the "Jashn-e-Dandiya" event, a lively celebration of Navaratri. It took place on October 18th (4:30 PM - 8:15 PM) and October 19th (6:00 PM - 8:15 PM) at the Sports Ground, offering attendees an immersive experience in the vibrant traditions of garba, dandiya, and captivating cultural performances. *Noteworthy features included an Inter-Branch Dandiya Competition with a prize pool of Rs. 3,500, an exhilarating Dandiya and Garba Dance Extravaganza, a captivating Ramp Walk, enticing prizes, and Prasad Distribution.* *The colorful attire representing the nine forms of Goddess Durga was embraced from October 16th. Each branch had been urged to assemble their teams for the Dandiya Competition (specifics were provided), and students had the opportunity to showcase their elegant Garba attire during the Ramp Walk. To secure participation, individuals had anticipated the registration form, with early registrants receiving complimentary dandiyas courtesy of the Cultural Club. The event had called for a collective celebration of Navaratri's spirit, where attendees danced the night away and forged cherished memories together.* *The anticipation for the "Jashn-e-Dandiya" event was palpable, and the details of the highly-awaited Inter-Branch Dandiya Competition were eagerly awaited. This competition was set to be a platform for showcasing dandiya proficiency, team synergy, and a deep-seated enthusiasm for Navratri on October 18-19, 2023, at the Sports Ground.*	 

In this competition, each branch had formed a team consisting of no less than 14 and no more than 18 students, ensuring an equal mix of both male and female participants. These teams were tasked with presenting a 6–8-minute performance revolving around the dandiya and garba theme, with room for imaginative improvisation. Notably, only one team from each branch, encompassing all four years of B.Tech, had been allowed to participate. The initial round, held on October 18th, witnessed six teams, one representing each branch, vying for the coveted title.

Navratri, a nine-night extravaganza dedicated to honoring the Goddess Durga, saw a dazzling display of colors in attire. This thematic choice held deep symbolic significance, adding a vibrant layer to the festivities.

The celebrations kicked off on the 16th of October '23, taking a tranquil turn with attendees opting for pristine white or a combination of white and blue, radiating an aura of purity and peace. The following day, on the 17th of October '23, witnessed a passionate display of red, embodying power and zeal. On the 18th of October '23, the celebration embraced the enchanting green, symbolizing growth and new beginnings, particularly during class time. Finally, on the 19th of October '23, the vibrant yellow took center stage, representing joy and prosperity, also observed during class time. This colorful progression not only enhanced the visual appeal of the festivities but also imbued each day with its own unique energy and symbolism, making Navratri a truly immersive and meaningful experience for all.

Dr. Abhishek Mishra, Dr. Manoj Kumawat, Dr. Jaspinder Kaur and Dr. Divya Punia were judges for the Inter-Branch Dandiya Competition.

The winners of the Inter-Branch Dandiya Competition are as follows:

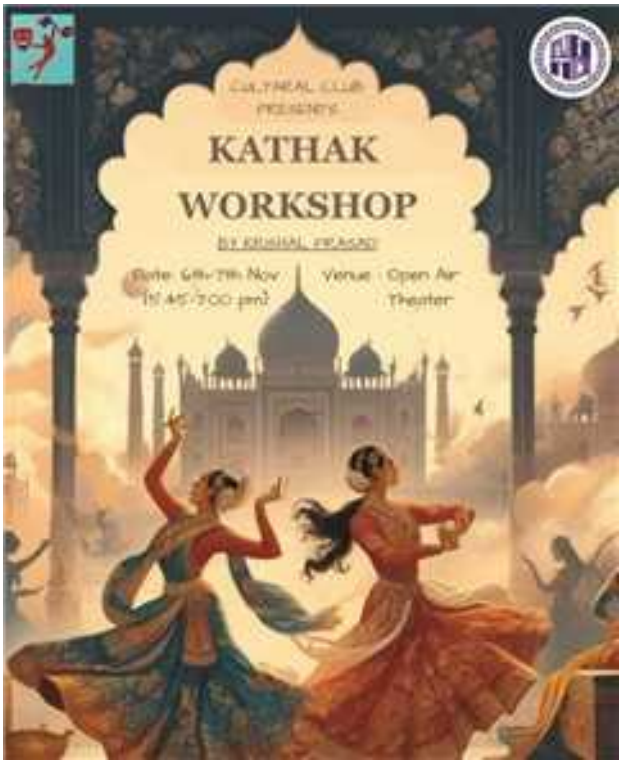
1st Position - Mechanical Engineering Branch Team (Rs. 2000 was awarded along with merit Certificates)

2nd Position - Computer Science and Engineering Branch Team (Rs. 1500 was awarded along with merit Certificates)

In attributing the success of the workshop, it's imperative to acknowledge the collaborative efforts of esteemed individuals whose unwavering support and commitment ensured its fruition. The leadership of Director Prof. (Dr.) Ajay K. Sharma, Dean Student Welfare, Prof. (Dr.) Jyoteesh Malhotra, faculty coordinator Dr. Sandeep Kumar and the whole team of Cultural Club all played instrumental roles in shaping the workshop's trajectory and impact.

- **KATHAK WORKSHOP**

Name of the Event:	**KATHAK WORKSHOP**
Event date & time:	20th March 2024
Event location:	Auditorium, Admin Block, NIT Delhi

Activity/ Event Report	**Pictures/ flyers/ posters**
*The **Kathak Workshop** organised by **Cultural Club** at NIT Delhi was a tremendous success. Over two days, participants explored fundamental Kathak elements and learned a choreography to the Krishna bhajan, Madhurashtakam.* *With active engagement and enthusiasm, attendees deepened their understanding of Kathak, fostering a vibrant cultural exchange and leaving with newfound knowledge and appreciation for this classical dance form. The event was a fulfilling, enriching experience for all involved.* *The prime objective of the Kathak Workshop at NIT Delhi was to offer participants an immersive experience into the world of Kathak, aiming to educate and engage them in the fundamental elements of this classical dance form.* *The workshop sought to impart knowledge about beats, rhythms, basic Kathak movements, and provide a platform to learn and appreciate the art form through practical engagement, ultimately fostering a deeper understanding and cultural connection to Kathak.* *The expert guidance of instructor and active participation of attendees contributed to a successful learning experience.* *Special thanks were extended to the Honorable Director Prof. (Dr.) Ajay K. Sharma, Dean Student Welfare Prof. (Dr.) Jyoteesh Malhotra, and faculty coordinator Dr. Sandeep Kumar for their guidance and support.*	 

- **ETHINIC DAY**

Name of the Event:	**ETHINIC DAY**
Event date & time:	November 29th, 2023
Event location:	Open Air Theater (OAT), NIT Delhi

Activity/ Event Report	**Pictures/ flyers/ posters**
*On 29th November 2023, the **Cultural Club** of NIT Delhi hosted the much-anticipated **Ethnic Day**, a vibrant celebration of cultural diversity that brought together students, faculty, and staff in a colorful display of unity and heritage. The event provided a unique platform for the community to embrace and showcase the rich traditions of India while fostering a sense of inclusivity and pride.* *A central highlight of the event was the Traditional Attire, where participants dressed in ethnic outfits from various regions of the country. This visual celebration of diversity showcased the elegance and beauty of India's cultural mosaic. Adding a modern touch to the traditional festivities was a creatively designed Selfie Booth, which became a favorite spot for capturing memories of the day. Complementing the festivities were Food Stalls, offering a delightful variety of regional cuisines, providing attendees with a culinary journey across the country.* *The core objectives of Ethnic Day revolved around celebrating cultural diversity, fostering inclusivity, and promoting cross-cultural understanding. The event encouraged meaningful interactions among participants, helping them appreciate the unique cultural backgrounds of their peers. By integrating educational initiatives and interactive activities with the focus on traditional attire, the event successfully instilled a sense of pride and unity among attendees.* *Through meticulous planning and execution, the Cultural Club created an enriching and inclusive environment where traditions were celebrated, knowledge was exchanged, and the spirit of community thrived. Ethnic Day left an indelible mark on the hearts of all participants, setting a high standard for future cultural events at NIT Delhi.*	  

- **REPUBLIC DAY CELEBRATION 2024**

Name of the Event:	REPUBLIC DAY CELEBRATION
Event date & time:	January 26th, 2024
Event location:	Sports Ground, NIT Delhi

Activity/ Event Report	Pictures/ flyers/ posters
*NIT Delhi celebrated the **75th Republic Day** on January 26, 2024, with patriotic zeal. The event commenced with the flag hoisting by the Director, followed by the national anthem. In his address, the Director emphasized the importance of Republic Day and the values of democracy, unity, and equality. The celebration featured a series of cultural performances by **Cultural Club**, including patriotic dances and songs by students under the guidance of club coordinator Dr. Sandeep Kumar. Special guest performances by children captivated the audience, adding charm to the event. Prize distribution ceremonies recognized outstanding achievements, and the Director personally distributed chocolates to the participating children, making the occasion even more special. The program concluded with a symbolic gesture of environmental responsibility through a plant transplantation ceremony, reinforcing the institute's commitment to sustainability.*	 

- **CULTURAL CLUB'S YOUTUBE CHANNEL LAUNCH**

Name of the Event:	CULTURAL CLUB'S YOUTUBE CHANNEL LAUNCH
Event date & time:	January 26th, 2024
Event location:	Sports Ground, NIT Delhi

Activity/ Event Report	Pictures/ flyers/ posters
*On Republic Day, January 26, 2024, the **Cultural Club** of NIT Delhi, under the guidance of Dr. Sandeep Kumar, proudly launched its **official YouTube channel**. The launch took place during the Republic Day celebration, adding a modern touch to the traditional patriotic event. The inauguration was presided over by the Director of NIT Delhi, who, after delivering a powerful speech on the importance of Republic Day, officially launched the channel by playing the first video—a compilation of the club's best performances over the years. The video showcased various cultural activities, including dance, music, and drama, reflecting the diverse talents of NIT Delhi students.* *The Cultural Club YouTube channel aims to highlight the vibrant cultural life of the institute, making it accessible to a broader audience. It will feature performances, interviews, and special events, allowing students to share their creativity with the world. The inauguration marked a significant step in promoting NIT Delhi's cultural heritage through digital platforms.*	 

- **BONFIRE: SIZZLING STARS**

Name of the Event:	BONFIRE: SIZZLING STARS
Event date & time:	February 14th, 2024
Event location:	Open Air Theatre (OAT), NIT Delhi

Activity/ Event Report	Pictures/ flyers/ posters
*On February 14, 2024, the **Cultural Club** of NIT Delhi hosted a vibrant and memorable event titled **Bonfire: Sizzling Stars**, which brought together students for an evening of music, dance, and camaraderie under the night sky. The event was organized under the esteemed guidance of Dr. Sandeep Kumar (Club Coordinator), along with the dedicated efforts of student coordinators and Cultural Club members. The meticulously planned evening offered students an opportunity to unwind, connect, and celebrate the spirit of togetherness.*	

The festivities began with a jamming session, where students gathered around the glowing bonfire to showcase their musical talents. The relaxed and inclusive setting encouraged participants to sing popular songs, perform original compositions, and accompany the melodies with instruments, fostering a shared appreciation for music.

As the evening unfolded, the bonfire's warm glow transformed the campus into a lively stage for captivating performances. Various student groups took turns showcasing their skills in dance and music, ranging from traditional to contemporary styles. Each performance received rapturous applause, reflecting the audience's enthusiasm and admiration for the creativity and talent on display.

The event wasn't just about performances; it was a celebration of the college's vibrant cultural community. Laughter, cheer, and the aroma of food added to the magical ambiance, making "Bonfire: Sizzling Stars" an unforgettable night for all. It underscored the importance of such gatherings in fostering a sense of belonging and enhancing the overall college experience for the students of NIT Delhi.

In conclusion, the triumphant success of Bonfire: Sizzling Stars can be attributed to the collaborative efforts of Dean Student Welfare, Prof. (Dr.) Jyoteesh Malhotra and the faculty coordinators, Dr. Sandeep Kumar and Dr. Sahil for their invaluable support. In particular, Mr. Syamantak Gupta, the indefatigable General Secretary of the Cultural Club emerged as a driving force, providing unwavering leadership and guidance, contributing to the success of the Bonfire 2024 event

- **CULTURAL EVENT IN ZEAL'24**

Name of the Event:	**CULTURAL EVENT IN ANNUAL SPORTS ZEAL 2024**
Event date & time:	February 23rd, 2024
Event location:	Sports Ground, NIT Delhi

Activity/ Event Report	**Pictures/ flyers/ posters**
*The grand opening of the annual sports event **ZEAL 2024** at NIT Delhi was a spectacular affair, marked by a blend of tradition, energy, and creativity. The event commenced with a mesmerizing Ganesh Vandana, a devotional dance performance that invoked the blessings of Lord Ganesha for an auspicious start. Organized by the **Cultural Club**, this graceful act set a spiritual tone, resonating with the audience and creating an ambiance of positivity and reverence.* *Following this soulful beginning, the stage came alive with a high-energy Bollywood dance performance. The performers dazzled the crowd with vibrant costumes, synchronized moves, and captivating choreography that captured the essence of joy and celebration. The colorful display was a visual treat, drawing cheers and applause from the enthusiastic audience.* *These performances not only captivated the audience but also set the tone for the exciting competitions and activities that lay ahead. With such a spirited start, ZEAL 2024 promised to be an unforgettable celebration of sportsmanship, talent, and camaraderie.* *Special thanks were extended to SASO Dr. Anidev Singh, Cultural Club faculty coordinator Dr. Sandeep Kumar and General Secretary Mr. Syamantak Gupta for their invaluable guidance and unwavering support in making the event a resounding success.*	  

- **HOLI CELEBRATION 2024**

Name of the Event:	HOLI CELEBRATION 2024
Event date & time:	March 20th, 2024
Event location:	Open Air Theatre (OAT), NIT Delhi

Activity/ Event Report	Pictures/ flyers/ posters
*On March 20, 2024, NIT Delhi came alive with the vibrant **celebration of Holi** by **Cultural Club**, the festival of colors, radiating joy and unity across the campus. The event, marked by boundless enthusiasm, was meticulously organized under the guidance of Dr. Sandeep Kumar (Club Coordinator), with active participation and arrangements from the GS Mr. Syamantak Gupta, student coordinators and Cultural Club members.* *The festivities began with a color play ceremony, where the Director, faculty members, and students gathered to exchange warm Holi greetings. Applying colors to one another symbolized the festival's message of harmony, equality, and togetherness. The campus resonated with laughter and camaraderie as participants immersed themselves in the cheerful spirit of the occasion.* *Adding to the celebration, a lively cultural performance showcased the vibrant energy of Holi through traditional and contemporary dance routines. The performers, dressed in colorful attire, enthralled the audience with their rhythmic moves and festive songs, beautifully capturing the essence of the festival.* *The celebration then moved to an exciting session of water Holi, where students, faculty, and staff joyously splashed colored water, amplifying the playful and carefree mood. The event became a vivid tapestry of colors, laughter, and shared moments.* *The festivities concluded on a sweet note with the distribution of the traditional delicacy, gujiya, along with other refreshments. The delectable treat served as the perfect end to a day filled with exuberance and togetherness, leaving everyone with cherished memories of the celebration.* *Holi at NIT Delhi once again proved to be a heartwarming celebration of culture, community, and unity, strengthening the bonds within the NIT Delhi family.*	   

- **VASUDHAIVA KUTUMBAKAM 2024**

Name of the Event:	VASUDHAIVA KUTUMBAKAM 2024
Event date & time:	April 24th, 2024
Event location:	Open Air Theatre (OAT), NIT Delhi

Activity/ Event Report	Pictures/ flyers/ posters
On April 24, 2024, Cultural Club hosted the spectacular event "Vasudhaiva Kutumbakam: Celebrating Unity in Diversity," a vibrant cultural extravaganza that beautifully highlighted India's diverse traditions. Organized under the guidance of Dr. Sandeep Kumar (Club Coordinator), with the invaluable support of General Secretary Mr. Syamantak Gupta, the student coordinators, and the dedicated members of the Cultural Club, the event stood as a testament to the institute's unwavering commitment to embracing a multitude of cultures and promoting unity among students from different backgrounds. *The evening commenced with "Folklore Vibes," an exuberant group dance competition that set the stage for a celebration of India's rich regional traditions. Students from various parts of the country performed their regional folk dances, each routine bursting with color, energy, and enthusiasm. The performances offered a glimpse into the diverse dance styles from different corners of the country, captivating the audience with their cultural richness and the performers' spirited energy.* *Following this, the stage was set for "Rhythm," a music competition that showcased the immense talent of the students. The event featured a mix of classical and contemporary music, with participants presenting their renditions of both traditional Indian ragas and popular modern tunes. The harmonious blend of music styles resonated deeply with the audience, adding an enriching melodic experience to the evening.*	  

The highlight of the event was "Nritya Sampadan," the solo dance competition that allowed individual performers to shine. Students displayed their expertise in classical, folk, and modern dance forms, demonstrating their dedication and passion for their art. Each dance performance told a unique story through fluid movements and expressive gestures, mesmerizing the audience with the depth of cultural expression on display.

The celebration culminated with "Veshbhusha," a cultural attire competition where students proudly showcased their traditional costumes. This final act beautifully tied together the theme of unity in diversity, as students paraded in vibrant outfits that represented their cultural heritage, each attire telling its own story of history and tradition. The parade was not just a competition but a stunning showcase of India's diverse and colorful sartorial traditions.

Through these events, "Vasudhaiva Kutumbakam: Celebrating Unity in Diversity" successfully embodied the spirit of unity among the students of NIT Delhi. It was an evening filled with cultural pride, celebration, and a deep appreciation for the country's diverse traditions, fostering an environment of inclusivity and mutual respect. The event left everyone with lasting memories of joy, camaraderie, and cultural appreciation.

CENTRALISED FACILITIES

Sports Section

BY:-

DR. ANIDEV SINGH

STUDENTS ACTIVITY & SPORTS OFFICER

(Head, Sports Section)

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

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

Details of Sport Section Staff Members:

S. No	Name of Staff	Designation
1.	Dr. Anidev Singh	Student Activity & Sports Officer
2.	Mr. Rajkumar	Senior Assistant
3.	Mr. Rajeev Sharma	Junior Assistant
4.	Mr. Abhishek	Office Attendant

Details of Coaches (Sports wise):

S. No.	Name of Coach	Sports
1.	Mr. Siddharth	Athletics
2.	Mr. Pawan Kumar	Badminton
3.	Mr. Vijay Chauhan	Cricket
4.	Mr. Brij Mohan Arora	Football
5.	Mr. Ajay Kumar	Kabaddi
6.	Ms. Sunita	Powerlifting
7.	Mr. Vikas Kumar	Volleyball
8.	Mr. Pawan Kumar	Yoga
9.	Mr. Lalit Malik	Basketball
10.	Mr. Arjit Dhingra	Table Tennis

Sports Club for the academic year 2023-24:

S. No	Name of Students	Position
1.	Anavi Somani	General Secretary (Girls)
2.	Emmanuel Rahkoyo	General Secretary (Boys)
3.	Mansi Arya	Deputy General Secretary (Girls)
4.	Vivek Patidar	Deputy General Secretary (Boys)
5.	Manu Agarwal	Executive Member
6.	Lovjot Singh	Executive Member
7.	Aditya S. Ray	Executive Member
8.	Charvi Gupta	Executive Member

9.	Disha Singh	Executive Member
10.	Utkarsh Trivedi	Executive Member
11.	Aditya Shaurya Singh Negi	Executive Member
12.	Nitya Mittal	Executive Member

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 1st year students focussing 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 and management of playgrounds and courts.
- To enable students to participate in various inter NIT's and other sports festivals/tournaments and make 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 organising activities.
- To maintain the sports infrastructure and facilities available and accessible.

Sports Initiatives at NIT Delhi

To keep the engineering students physically fit, physical education and sports is introduced as a subject in the form of Holistic Health & Sports for the engineering students in the 1st & 2nd Semester of B.Tech. 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.

National Cadet Corps

The National Institute of Technology Delhi has enrolled and started its NCC girls units at 7 Delhi Girls Battalion (NCC 7DGB) in 2022 with a maximum of 51 cadets and started with 17 cadets. A cadet has to be in NCC for 3 years in order to get her B-certificate and C-certificate. Cadets will be given free uniform, shoes and other dress material by NCC and cadets have to maintain the same till they complete their training. The NCC unit will immensely help the selected students in enhancing their personality skills and passion for the nation. The objective of NCC is to develop strong character, companionship, discipline, a secular outlook, and spirit of nationalism.

National Service Scheme

The National Institute of Technology Delhi has enrolled into NSS in 2022 with a maximum of 100 students. National Service Scheme (NSS) is a permanent youth programme under the Ministry of Youth Affairs and Sports. The motto of NSS is "Not me but you". It underlines that the welfare of an individual is ultimately dependent on the welfare of

the society as a whole. This expresses the essence of democratic living and upholds the need of selfless service and appreciation of the other man's point of view and also consideration for fellow human beings. It is a two year voluntary service where students are allowed to develop their personality through social service.

SPORTS FACILITIES AT NIT DELHI

NIT Delhi boasts an array of sports facilities designed to cater to a wide variety of athletic interests and promote physical well-being among its students. These facilities are not only essential for recreation but also play a significant role in nurturing potential talent and encouraging a culture of sportsmanship. Below is a detailed overview of the sports facilities available at NIT Delhi:

1. **400 M Athletics Track**

- **Details:** The athletics track at NIT Delhi is designed for track and field events. It includes well-marked lanes for running events and facilities for other track sports such as long jump and javelin throw. This track is used for regular training, athletic meets, and fitness tests.

2. **Badminton Courts**

- **Number of Courts:** 4
- **Details:** The badminton courts at NIT Delhi are well-maintained and equipped with high-quality flooring and proper lighting, ensuring optimal playing conditions. These courts are available for both recreational play and competitive matches. Regular coaching sessions and tournaments are organized to hone the skills of students.

3. **Basketball Courts**

- **Number of Courts:** 2
- **Details:** The basketball courts are standard-sized and come with robust hoops and well-marked boundaries. These courts are frequently used for inter-departmental tournaments, practice sessions, and general play. The courts are also equipped with floodlights, allowing for evening and nighttime games.

4. **Cricket Practice Pitches**

- **Number of Pitches:** 2
- **Details:** NIT Delhi offers two cricket practice pitches that are used for regular practice sessions and training. These pitches are designed to simulate match conditions, helping players to improve their batting and bowling skills. The pitches are maintained to ensure a true bounce and consistent playing surface.

5. **Football Ground**

- **Details:** The football ground is a large, well-maintained grassy field that meets the requirements for both practice and official matches. It is equipped with goalposts and marked boundaries, making it suitable for various levels of play. The ground is also used for athletic activities and physical training.

6. **Indoor Gym**

- **Details:** The indoor gymnasium is a state-of-the-art facility equipped with a wide range of fitness machines, including treadmills, cross-trainers, weightlifting equipment, and more. This gym provides a controlled environment for students to work on their fitness goals throughout the year.

7. **Kabaddi Courts**

- **Number of Courts:** 2
- **Details:** The Kabaddi courts at NIT Delhi are specifically designed to cater to this traditional Indian sport. The courts are marked as per standard regulations and provide an ideal platform for students to practice and participate in Kabaddi matches.

8. Lawn Tennis Court

- **Number of Courts:** 1
- **Details:** The lawn tennis court at NIT Delhi features a well-maintained surface suitable for high-level play. The court is available for use by students, faculty, and staff, and it is equipped with the necessary amenities to facilitate a smooth playing experience. Coaching sessions are periodically conducted to help beginners learn the sport.

9. Open Gym

- **Details:** The open gym is designed to provide a space where students can engage in fitness activities under the open sky. It is equipped with various exercise machines and fitness equipment, encouraging students to maintain their physical fitness.

10. Volleyball Courts

- **Number of Courts:** 2
- **Details:** The volleyball courts are designed to meet the needs of both casual and competitive play. With well-defined boundaries and proper net setups, these courts are a popular spot for students to engage in this dynamic sport. The courts are maintained to ensure safety and performance standards.

Sports Section Events Reports 2023-24

1. Zeal Annual Sports Fest 2023

ZEAL is the annual sports festival of NIT Delhi organized by the ALTIUS, the sports club under the guidance of Dr. Anidev Singh (Student Activity and Sports Officer). Zeal has expanded over the years with unprecedented growth. Zeal is an inter-branch competition witnessing the participation of students with high competitive spirit. Zeal brings together students from all the branches from B. Tech, M. Tech & Ph.D. and offers a platform for them to showcase their talent in a highly charged and competitive ambience. Zeal has always been a classic example of the fact that it is the endeavor that counts. The efforts of the sports club have always aimed to bring about a rise in competition level among the youth, empowering the masses with the torch of social awareness and keeping the grandeur of entertainment and professional shows alive through Sports.

The Eighth edition of The Annual Inter Branch Tournament i.e. ZEAL 23 in various games and sports was a three day extravaganza held at NIT Delhi from 13th April 2023 to 16th April 2023 for the students of the institute. With a great number of participation of around 500 students from all branches of B. Tech, M. Tech & Ph.D. were observed in various events offering an unparalleled competitive environment.

2. Football Tournament:

The recently concluded 6-a-side football tournament at our college showcased intense competition among six spirited teams. The **Gavaskar Guardians** emerged victorious, claiming the top spot with exceptional teamwork and skill. Led by their captain, **Sangrang Bargayary**, the Guardians displayed remarkable prowess on the field. The **Mary Kom Gliders** secured the second position, skillfully maneuvering through the matches under the captaincy of **Zildar Hussain**. The **Baichung Bulls**, led by captain **Himanshu Singh Rathore**, secured the third spot, contributing to the tournament's excitement. The tournament not only fostered a sense of sportsmanship among participants but also provided an exciting spectacle for the spectators. Congratulations to all the teams for their spirited participation.

Event Details:-

Date: 22nd, 24th and 25th August, 2023

Time: 6 PM onwards

Location: NIT Delhi Football Ground

3. Tug of War Event:

Teams showcased their physical strength and teamspirit all throughout our intense tug-of-war competition. Coordination and channelizing strength was the key aspect for winning. Teams planned various techniques and combinations to conquer the rope! An epic battle of strength and spirit! The Tug of War tournament was completed with awe-inspiring passion and steadfast sportsmanship from all teams. **Mirza Smashers** team emerged as champions amid cheers and determined efforts, their collaboration and passion shining clear. A shout-out to the runner-ups Kohli Knights as well. Congratulations on your well-deserved success!

Event Details:-

Date: 24th and 25th August, 2023

Time: 6 PM onwards

Location: NIT Delhi Football Ground

4. Rope Skipping Workshop

The Sports Club hosted an impactful Rope Skipping Workshop on August 28th at the Admin Block Auditorium, NIT Delhi. This event, spanning hours of enthusiastic learning and skill enhancement, left a lasting mark on all participants.

The workshop commenced with eager attendees from diverse skill levels, ranging from novices to seasoned skippers, gathering to absorb the expertise shared. Led by seasoned professionals, the sessions offered an extensive array of techniques, tips, and tricks aimed at refining skipping abilities.

The Rope Skipping Workshop hosted by the Sports Club proved to be a triumph, not only in skill enhancement but also in fostering a vibrant community of fitness enthusiasts. This event encapsulated the essence of the club's commitment to promoting active lifestyles and providing a platform for continuous skill development.

The resounding success of this workshop lays a strong foundation for future events

5. National Sports Day (Expert Talk)

On August 29th, 2023, the Sports Club celebrated National Sports Day with an impactful Expert Talk at NIT Delhi's Admin Block Auditorium. Esteemed guests, Ms. Neha Singh, Granddaughter of hockey legend Dhyan Chand Singh, and Mr. Jitender Saroha, an International Hockey Player, shared invaluable experiences and motivational wisdom with athletes and enthusiasts.

Key Highlights:

- Guests shared personal anecdotes, emphasizing perseverance and teamwork.
- Attendees engaged in an interactive session, gaining deeper insights into professional sports.
- Participants praised the event for its inspirational impact on their sportsmanship and dedication.

The Expert Talk on National Sports Day left a lasting impression, inspiring a new generation of athletes. The insights shared by Ms. Neha Singh and Mr. Jitender Saroha aligned with the club's commitment to fostering excellence in sports.

6. Inauguration of Volleyball and Badminton Courts:

Grand inauguration of our newly constructed PU Volleyball and Synthetic Badminton courts

The addition of these state-of-the-art courts has been a significant endeavor for our institution. These courts

enhanced the Sporting facilities on our campus and also promoted a healthy and active lifestyle among students and faculty.

Event Details:

Date: October 18, 2023

Time: 3:30 PM onwards

Location: Sports Ground and Near Open Gymnasium

7. NIT Delhi Premier League (Cricket Tournament):

The Nit Delhi Premier League (Cricket Tournament) took place on [31st October 2023 - 6th November 2023] at the NIT Delhi cricket ground, showcasing the cricketing talents of the National Institute of Technology Delhi (NIT Delhi) community. The event brought together students, faculty, and staff in a spirit of friendly competition and sportsmanship.

Event Details:-

Date: 31st October 2023 - 6th November 2023

Time: 5:30 PM to 8:30 PM

Venue: NIT Delhi Cricket Ground

A total of **5 Cricket teams** participated in NIT Delhi premier league(Cricket Tournament).

- Delhi Dominators
- Patna Panthers
- Bangalore Blasters
- Haryana Thunder
- Mumbai Mavericks

A total of 11 league matches were played in this wonderful tournament between these five teams.The **Mumbai Mavericks** was the winner of this tournament, claiming the top spot with exceptional teamwork and skill. Led by their captain, **Harshal agre**, the Mavericks displayed remarkable prowess on the field. The **Bangalore blasters** secured the second position, skillfully maneuvering through the matches under the captaincy of **Atul Goyal**.

Satyam kumar is the Top runs scorer and also he took the most Wickets in this Tournament.

8. Weightlifting Workshop:

The 15 days workshop of Weightlifting was conducted by the Sports Section of NIT Delhi to teach the correct technique and skills of the event. Mr. Munny Sharma, a certified Weightlifting coach, who secured the gold medal for India in World CrossFit Games 2018, United States was the trainer and Instructor for this workshop. The workshop started from 20/09/2023 Wednesday, 05:30 pm - 07:30 pm in the Indoor Gymnasium, NIT Delhi. The Weightlifting Workshop held on from 20 Sep 2023 was an informative and engaging event aimed at providing participants with a comprehensive understanding of weightlifting techniques, safety protocols, and overall fitness benefits. A total number of 15 sessions were conducted in the months of September & October. This workshop helped our Team prepare for the upcoming Inter NIT Tournaments.

The Weightlifting Workshop successfully equipped participants with the knowledge and skills needed to embark on a safe and effective weightlifting journey. By combining theoretical insights with practical demonstrations and interactive discussions, the workshop fostered a supportive environment for participants to learn and grow in their fitness journey. The event concluded with participants expressing their satisfaction and gratitude for the valuable

insights gained during the workshop.

Event Details:

Date : September 20, 2023 to 5 October, 2023

Time : 5:30 PM - 7:30 PMLocation : Indoor Gymnasium, NIT Delhi

9. Inauguration of Basketball Courts

The recent inauguration of the PU Basketball Courts at our college marked a significant milestone in enhancing sports facilities. The event, attended by students, faculties, and Director of the college, showcased the commitment to promoting physical activity and fostering a spirit of competition. The state-of-the-art courts, equipped with modern amenities, promise to be a hub for athletic development and recreation. This initiative aligns with our college's dedication to holistic education and a vibrant campus life.

Event Details:

Date : December 1, 2023

Time : 5:30 PM onwards

Location : Near StartupCenter

10. INAUGURATION OF LAWN TENNIS COURT

The National Institute of Technology Delhi held a lively ceremony full of energy and a great sense of accomplishment to officially unveil their newest addition, the brand-new lawn tennis court. On December 1, 2023, the event took place at our cutting-edge lawn tennis courts. It was an honor to have Prof. (Dr.) Ajay K Sharma, the Head of the Department (HOD), as our primary guest. He stressed on the critical role that sports and leisure play is developing within well-rounded people. The ceremony commenced with a sense of excitement and anticipation as the crowd gathered around the court.

Event Highlight:

- Welcome: Our distinguished Chief Guest, Prof. (Dr.) Ajay K Sharma, was warm welcomed by Dr. Anidev Singh (the head of the sports department).
- Inaugural Ribbon: Cutting: the symbolic cutting of the ribbon, signifying the integration of the impressive court into the university's array of top-notch sports facilities and officially opening the court. The sound of applause filled the air as the crowd cheered in celebration.
- Friendly Exhibition Match: To commemorate the occasion, a friendly match was organized, engaging the Chief Guest, members, and players. The match was a showcase of talent, agility, and precision.

In addition to the exhibition match, the inauguration provided an opportunity for local tennis enthusiasts to participate in friendly matches and showcase their skills. The inauguration of the lawn tennis court drew a diverse crowd, including esteemed dignitaries, sports enthusiasts, and residents. The event encouraged the community to embrace an active lifestyle and appreciate the benefits of sports.

11. Zeal Annual Sports Fest 2024

ZEAL is the annual sports festival of NIT Delhi organized by the ALTIUS, the sports club under the guidance of Dr. Anidev Singh (Student Activity and Sports Officer). Zeal has expanded over the years with unprecedented growth. Zeal is an inter-branch competition witnessing the participation of students with high competitive spirit. Zeal brings together students from all the branches from B. Tech, M. Tech & Ph.D. and offers a platform for them to showcase their talent in a highly charged and competitive ambience. Zeal has always been a classic example of the fact that it is the endeavor that counts. The efforts of the sports club have always aimed to bring about a rise in competition

level among the youth, empowering the masses with the torch of social awareness and keeping the grandeur of entertainment and professional shows alive through Sports.

The Ninth edition of The Annual Inter Branch Tournament i.e. ZEAL 24 in various games and sports was a three day extravaganza held at NIT Delhi from 23rd February 2024 to 26th February, 2024 for the students of the institute. With a great number of participation of around 600 students from all branches of B. Tech, M. Tech & Ph.D. were observed in various events offering an unparalleled competitive environment.

SPORTS SECTION ACHIEVEMENTS 2023-24

1. All India Inter NIT power sports and Football Tournament

Host: National Institute of Technology Durgapur, West Bengal, Date: 3rd November to 5th November, 2023

Our Students showed Competitiveness and Sportsmanship all throughout the tournament. Our teams showcased their Talent and Dedication towards the sports which raised the bar of standards for the tournament.

Their dedication and commitment outshone the opponents, transforming their passion for sports into a symphony of victory and inspiration.

Achievements:

Total Medal Count: 8 (3Golds, 3 silvers, 2 Bronze)

Name of Participant	Category	Position
Weightlifting Team Secured Second Position with 3 Golds, 1 Silver and 2 Bronze Medals		
Sanskar Jain	Under 55kg	1st Position (Gold Medal)
DDVL Narasimha	Under 109 Kg	1st Position (Gold Medal)
Pathi Ankith	Under 102kg	1st Position (Gold Medal)
Dharavath Rohith	Under 81kg	2nd position (Silver Medal)
Emmanuel Rahkoyo	Under 89kg	3rd Position (Bronze Medal)
Ritik Tiwari	Under 96kg	3rd Position (Bronze Medal)
Powerlifting		
Emmanuel Rahkoyo	Under 89kg	2nd Position (Silver Medal)
Bodybuilding		
Emmanuel Rahkoyo	Under 89kg	2nd Position (Silver Medal)

2. All India Inter NIT Kabaddi Tournament

Host: National Institute of Technology Surathkal, Karnataka Date: 27th October to 29th October, 2023.

Our athletes displayed unwavering determination and resilience in the face of adversity, proving that true champions are forged from consistency and Devotion for the sport.

Achievements:

Kabaddi Girls secured third position.

Kabaddi Boys Entered the Semis, stood Fourth in the Team rank List

Vice Captain Mansi Arya Received the Title for best defender of the tournament

3. ITUSA Volleyball and Yoga Tournament 2023

Host: National Institute of Technology Kurukshetra, Haryana, Date: 27th October to 29th October, 2023

Our Students showed Competitiveness and Sportsmanship all throughout the tournament. Our teams showcased their Talent and Dedication towards the sports which raised the bar of standards for the tournament.

Achievements: Yoga Boys Secured Third Position.

4. MST SPORTS TOURNAMENT REPORT: -

Host: Malviya National Institute of Technology Jaipur, Rajasthan, Date: 16th-18th February 2024.

Our Students showed Competitiveness and Sportsmanship all throughout the tournament. Our teams showcased their Talent and Dedication towards the sports which raised the bar of standards for the tournament.

Their dedication and commitment outshone the opponents, transforming their passion for sports into a symphony of victory and inspiration.

The result is as follows:

S. No.	Sports	Result	Remark
1.	Table Tennis (Men)	1st place	Champion
2.	Bodybuilding	1st place	Champion (Gold -03)
3.	Weight-lifting	1st place	Champion (Gold- 03, Silver-04 & Bronze- 01)
4.	Powerlifting	2nd place	Runner-up (Gold- 01, Silver-01 & Bronze- 03)
5.	Chess (Men)	2nd place	Runner-up
6.	Chess (Women)	2nd place	Runner-up
7.	Badminton (Men)	2nd place	Runner-up
8.	Kabaddi (Men)	2nd place	Runner-up
9.	Kabaddi (Women)	2nd place	Runner-up
10.	Football (Women)	2nd place	Runner-up
11.	Lawn Tennis (Women)	2nd place	Runner-up

12.	Lawn Tennis (Men)	3rd Place	2nd Runner-up
13.	Basketball (men)	3rd Place	2nd Runner-up

Photo Gallery:

Zeal Annual Sports Fest 2024

Zeal Annual Sports Fest 2024

Physical Literacy Workshop (9–11 February 2024)

Physical Literacy Workshop (9–11 February 2024)

Inauguration of the Volleyball Court

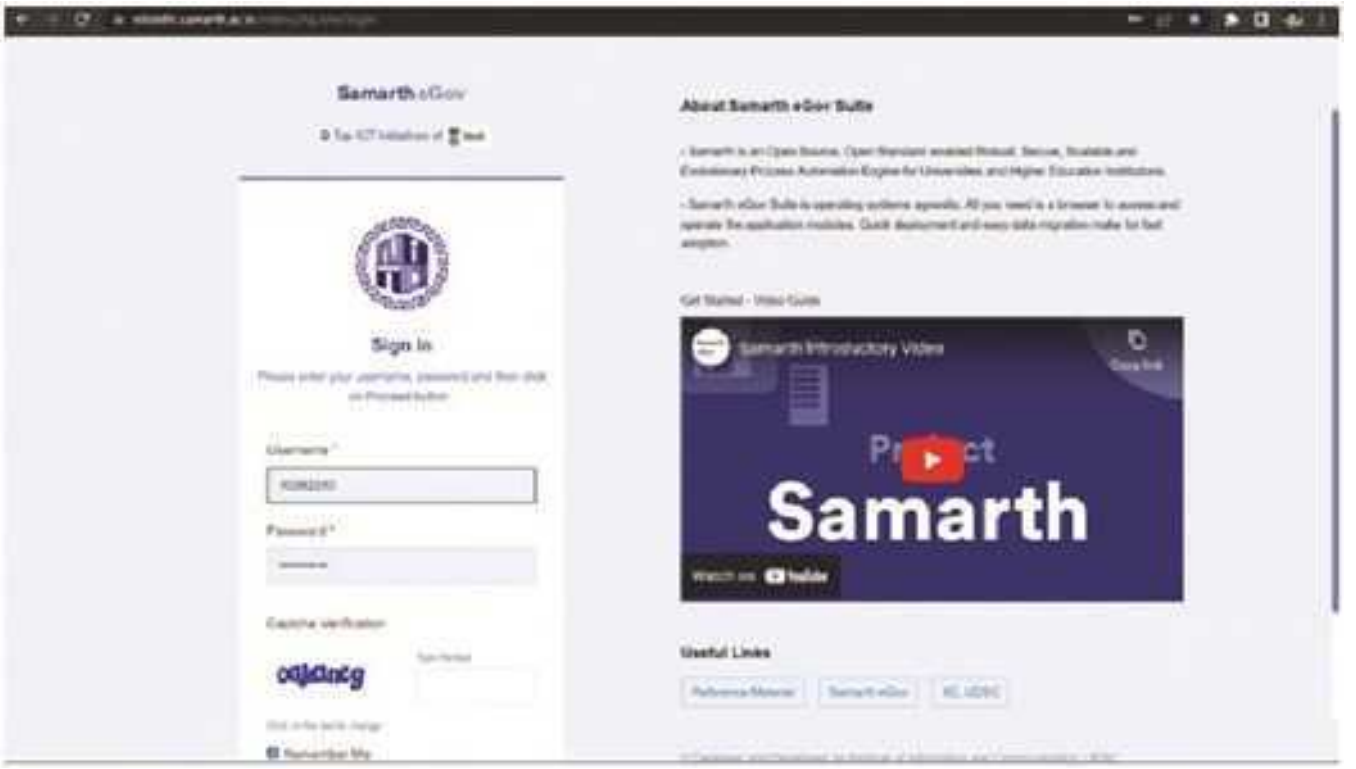
Inauguration of the Volleyball Court

Inauguration of the Volleyball Court

INSTITUTE MANAGEMENT SYSTEM (IMS) /COMPUTER CENTRE

INSTITUTE MANAGEMENT SYSTEM (IMS)

ERP team of NIT Delhi is handling: (a) the old IMS (provided by the JIL Information Technology Limited), and (b) Project SAMARTH, maintained by Institute of Informatics & Communication, University of Delhi, as a mandatory initiative by the Ministry of Education, Govt. of India.



Features in IMS:

Student Information System
• Student master database
• Rooms and exam centres management
• Formation of programs/branches/sections/sub-sections
• Enrolment number generation
• Pre-registration/registration
– Core subject allocation
– Department wise elective/free elective offerings
– Elective/free elective choice collection from students
– Faculty subject choice with rooms, day & time preference
– Teaching load distribution
– Registration slip printing
– Add/drop regular/back paper subjects
– Integrated fee collection
• Student attendance
• Time table preparation
Web-Kiosk
Web based application containing all the information related to students and employees (teaching & non-teaching). It is a presentation layer of Campus Lynx. All the users will have a separate Login ID and password to access the kiosk. It has following information:

Student Web-Kiosk	**Employee Web-Kiosk**
• Personal information – view/edit • Academic information – Pre-registration/registration – record subject choice – Class time table – Class attendance – Class tests/mid/end semester test marks detail – Exam date sheet with seating plan – Marks obtained / CGPA/SGPA details – Disciplinary record • Fee detail which includes: – Fee payment, dues details	• Personal information – Contact information - view/edit • Academic information – Subject/room/day/time preference for time table – Time table (entire/employee wise) – Student attendance – Day/time preference/no duty request for invigilation duty – Employee wise date sheet/invigilation duty – View seating plan – Marks entry of class tests/mid semester test – Grade calculation – Booking/cancellation of room for special activities/ extra class – View result of student reaction survey (self) – Administration user option – Student information – Employee information
Examination Management	**Student Fee Management**
• Invigilation duty with faculty load distribution/no duty request/time preference • Attendance/absentee list generation • Event based dual marks entry system – secured online entry of marks by faculty members with HOD/CoE/Dean Academic/Director approval • Result processing – Final marks - Grade calculation - CGPA/SGPA calculation • Tabulation of grade list • Printing of grade/mark sheet, transcript & various MIS reports • Publishing of result on the web after approval.	• Multiple currency support • Fee structure – Academic year, program wise fee with multiple quota handling – Individual fee structure • Fee waiver/discount • Special approval in case of delay in payment • Fee collection – Cash – Bank – DD/cheque/ECS – Payment gateway – online payment (on demand) • Fine collection

Regular activities performed through IMS:

1. Marks entry and grade calculation.
2. Publish online results of Makeup and End-semester examinations
3. Attendance entry on IMS
4. View online attendance for students and faculty
5. Online No Dues clearance.
6. Generation of Grade sheet
7. Online semester course registration.

Institute Management System provided by the Project SAMARTH, maintained by Institute of Informatics & Communication, University of Delhi, as a mandatory initiative by the Ministry of Education, Govt. of India:

The implementation of Project SAMARTH is ongoing since August 2021.

Implemented SAMARTH Modules

1.	Leave Management Module.
2.	Knowledge Management Module.
3.	Human Resource Management Module
4.	Payroll Management Module.
5.	IT and Web Service Module.

Ongoing SAMARTH Modules

1.	Academic Module.
2.	Evaluation and Grading Module.
3.	Estate Management Module.
4.	LTC sub-Module.
5.	Sports Module.
6.	Store and Purchase Module
7.	Training and Placement module.
8.	Alumni module.

CENTRAL LIBRARY

BRIEF INFORMATION ABOUT THE CENTRAL LIBRARY:

The Central Library, located on the 3rd floor of the Administrative Block of the Institute, acts as the primary information resource centre and the repository of various printed as well as electronic resources that support teaching, research, and all the academic activities of the Institute. All the students, faculty members and staff of the Institute are entitled to access all the library facilities and services.

The Library has a rich collection of books on Science and Technology, including Chemistry, Mathematics, Physics, Chemical Engineering, Civil Engineering, Computer Science, Electrical and Electronics Engineering, Humanities, Management and Social Sciences. Besides this, the library also has a good collection of Rajbhasha Hindi Books, Dictionaries, Handbooks, Encyclopedias and research-related books.

TOTAL LIBRARY COLLECTION:

The library has a total of 16,706 books, including 5,351 from the Book Bank, along with 09 newspapers and 22 magazines. The library collection includes textbooks, reference materials, resources for competitive exams etc. Additionally, the Library provides access to around 1,198 multimedia items (CDs/DVDs/NPTEL videos) and approximately 312 Theses and dissertations submitted by PhD, M.Tech, and B.Tech students. Also, the library provides access to diverse collection for General Reading, including Sports, Yoga, Fiction, Motivational Books and Magazines on Current Affairs and Specialized Subject areas.

INFORMATION TECHNOLOGY: AUTOMATED LIBRARY SYSTEM:

- The library is connected to the campus LAN and Wi-Fi facility.
- The library has an RFID (Radio Frequency Identification) based Automation system and a Circulation system (self-check-in/Check-out).
- The database of the entire Library acquisitions is being updated on a regular basis, along with details of recently acquired books.
- The library has a WebOPAC facility under which all the bibliographic details of the library collection can be accessed from Internet 24x7 on all weekdays 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) along with a cardholder and lanyard are provided to all the students & faculty/staff members of the Institute.
- The library has an RFID Portable Handheld reader for easy and quick physical verification of Library Books, for locating missing books and security checks of checked-out items, etc.
- The library has initiated a QR code facility for Overdue payments/fines in the Library to provide convenience to patrons, and it streamlines the payment process.
- The Knimbus Mobile App: Currently in beta trial mode, once set up, the app will be accessible to all library users from the Google Play Store for remote access to all subscribed library resources.

LIBRARY FACILITIES & SERVICES:

- **Library Membership Facility:** All students, faculty and staff members of the Institute are eligible for membership in the Institute Library to use its facilities and services offered for the purpose of their academic, research and administrative work. The 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.**
- **Circulation of Rajbhasha Hindi Books to Regular Staff:** To promote the use of Rajbhasha Hindi and encourage greater engagement with Hindi literature among staff members, the library issues up to a maximum of two Hindi books for a duration of seven days.
- **Book Bank Facility:** The Library provides a 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 is issued to the individual student for the entire semester.
- **Reference and Information Service:** The Library also has a collection of General Reference Books, including Dictionaries, Handbooks, Rajbhasha Hindi collection, Bibliographies, etc., and these are available for reference within the library premises and are not for lending.
- **Email Alert Service:** The library provides an 'Email Alert Facility'. Through this facility, the library sends its members alerts for Check-In/Check-Out, Overdue, and other alerts.
- **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.
- **Access to Grammarly for Library Users:** The Central Library provides access to Grammarly for all users, enhancing their writing and proofreading skills.
- **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 offers a plagiarism check service to both students and faculty members of the Institute using Turnitin and DrillBit software. This facility helps to ensure that research work is original and properly cited, avoiding any issues with plagiarism.
- **Newspaper Clipping Service:** The library provides 'Bi-Monthly Newspaper Clippings' related to Engineering, Science, and Technology and weekly employment-related newspaper clipping services to Library users through email.

E-LIBRARY RESOURCES & FACILITIES:

1. **E-Databases:** The Central Library subscribes to E-Databases on an Annual Subscription basis as per the rates negotiated by the ESS consortium, which includes 6500+ journals, articles, magazines, conference proceedings, etc. The E-Databases subscribed for the year 2023-2024 are as below:

➢ **On Self Subscription Basis**

1. Elsevier's Science Direct
2. Scopus Database
3. IEL Online (IEEE+IET) Library
4. American Physical Society (APS)

➢ **Through ESS Consortium Under Centrally Funded Scheme**

1. ACM Digital Library
2. Springer Link+ Nature Journals (1700+ Journals)
3. ASME (American Society of Mechanical Engineers)

2. **E-Books:** The Central Library has subscribed to around 4500+ E-Books, which are subscribed from renowned publishers like McGraw Hill, New Age International, Pearson India, IEEE and CBS Publishers on a Perpetual basis.

3. **Remote Access Facility through INFED Platform:** - Central Library has set up the INFED (INDIAN Access Management Federation) platform of E-ShodhSindhu in the Institute during the year 2023-24. The INFED platform provides access to all the subscribed E-resources of the Institute from anywhere at any time via a **remote Login Facility**. All the Research Students & Faculty Members have been successfully registered in the INFED platform, and the platform has benefited the entire research community of the Institute.
4. **DrillBit and Turnitin (Plagiarism Detection Software):** The Central Library is getting access to DrillBit Plagiarism Detection Software through e-ShodhSindhu under the Centrally Funded Scheme of MoE. Access to Turnitin Software has been provided to all the faculty members and Research Scholars of the Institute.
5. **NPTEL Videos:** The Library provides access to NPTEL (National Programme on Technology Enhanced Learning) Videos to the various users of the 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 Education.
6. **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) and in Knimbus App. Therefore, the Library members can easily access the previous year's question papers of NIT Delhi through the Library WebOPAC.
7. **Google Drive of Previous Year Question Papers:** Central Library has created a Google Drive of the previous year's question papers of NIT Delhi so that the students may access the previous year question papers for reference from anywhere/anytime.
8. **Registration for NDLI Membership:** All students and faculty/staff members can register themselves for membership in the NDLI portal (a project under the Ministry of Education) using their institutional email IDs. NDLI provides access to approximately 56,053,815 resources, including lecture videos and notes from NPTEL/SWAYAM courses, presentations used by faculty in classes, online class lectures, and questions/solutions for common subjects across all engineering disciplines.
9. **Access of PhD Thesis through the Shodhganga Platform:** As per the MoU with INFLIBNET, the Central Library has uploaded 64 PhD theses of the Research scholars in the Shodhganga (A Reservoir of Indian Theses) 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 a Library advisory committee that consists of the Chairperson and HoDs from each department, including the Deputy Librarian. The library committee meets from time to time to frame and upgrade the policies and to review the working conditions for the smooth functioning of the Library.
- **SC/ST Book Bank Cell:** Several measures exist for helping students belonging to SC and ST categories. There is an 'SC/ST Book Bank Cell' in the Institute that ensures the distribution of 'Book Bank' by the Library to SC/ST students (on a 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 conducts an orientation program every year for the newly admitted students (B.Tech/M.Tech/Ph.D) and on the occasion of introduction of any new software/ technology in the Library. The orientation programs 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.

Glimpses of Library Orientation Programme during the Year 2023-24

- **IEEE Onsite Session at NIT Delhi:** The Central Library successfully hosted an IEEE Onsite Session on February 29, 2024. The session focused on "How to Write Quality Technical Papers and Awareness about IEEE Journals Subscription and E-books." This informative event provided valuable insights to researchers and students at NIT Delhi, helping them enhance their technical writing skills and explore the wealth of resources available through IEEE subscriptions.

Glimpses of IEEE Onsite Event at NIT Delhi

Our Team

Dr. Ajay Kumar
Chairperson
(Library Committee)

Dr. Gareema Sharma
Deputy Librarian

Dr. Priyanka Kamboj
Sr. Library and Information Assistant

Mr. Rahul Verma
Library & Information Assistant

Mr. Abhishek
Library Trainee

Mr. Ankit Kumar
Library Trainee

Mr. Arun Kumar Rana
Office Attendant

MEDICAL FACILITIES

The medical needs of the Campus population consisting of Students, Staff members and their families are met by the Institute Health Center. The Health Center has a full time medical officer, nursing staff members, office attendant, visiting Gynecologist and visiting Physiotherapist. The Institute Health center has facilities for OPD treatment. Health Center has Doctor's room, Pharmacy room, nursing station, observation room containing semi-fowler beds for patient care/day care and visiting specialist's room where services of Gynecologist and Physiotherapist can be availed.

List of facilities available at NITD HEALTH CENTER:

OPD:

In OPD, clinical consultation is provided to patients and in required cases lab tests are advised. The Institute has a medical officer providing free consultation to the Students, faculty, Staff members and members of their family.

Pharmacy

Routine medicines are available for students, faculty, staff members and their dependents. Medicines are dispensed on the prescription of Medical Officer, Health Centre.

ECG

An ECG facility is available in the health center. Employees and their dependents can avail the facility of E.C.G.

Observer Room

An observer room having semi fowler beds is available for the patients of critical care.

List of Equipments :

a. ECG machine
b. Oxygen concentrators
c. Automatic External Defibrillator (AED)
d. Hemoglobinometer
e. Glucometers
f. Sphygmomanometer (manual and automatic)
g. Pulse oximeter
h. Thermometers (digital and forehead)
i. Stethoscopes
j. Mini torch
k. Needle disposal machine
l. Steriliser machine electric
m. Nebuliser machine

Memorandum of Understanding with Hospitals/ Medical Organizations:

S. No.	Name of the Hospital	Location and Address of the Hospital/ Medical Organization
01.	Saroj Super Specialty Hospital	Sector-14(Extn.)Industrial Area, Near Madhuban Chowk, Rohini, Delhi- 110085
02.	Saroj Medical Institute	78B, Sector 19, Rohini, Delhi, 110042
03.	Sardana Eye Institute	Rajouri Garden, Delhi
04.	Nishtha Specialty Hospital, Narela	Plot No. 22 near SHRC Hospital,Pocket-7,Sector A-10, Narela, Delhi-110040
05.	Ayushman Hospital	Sector-10 Dwarka New Delhi-110075

New Developments at Health Center:

S. No.	
01	Dr. Karan Malhotra recruited as Medical Officer on regular basis
02	Ms. Sangeeta and Mr. Rohit recruited as nursing staff members on outsourced basis
03	Dr. Charvi Chugh recruited as Gynecologist on visiting basis
04	Dr. Saurabh Kumar recruited as Physiotherapist on visiting basis

Events organized by Health Center :

S. No.	Health Camp Organized
01	Free E.C.G Check up Camp, 12 June 2023
02	Free Health Checkup Camp by Fortis Hospital, 9 February 2024

HOSTEL FACILITY FOR STUDENTS

Hostels

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 740 boys (SRHC Hostel, NILERD Hostel, Dhauladhar Hostel) land 225 girls (Yamuna Hostel). NIT Delhi has four boys' hostels (2 AC hostels and 2 non-AC hostels) and one girls' hostel (AC/Non-AC 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.

Hostel Administration

There are 04 boy's and 01 girl's hostels which are looked after by respective wardens. The hostel administration is as under:

S.No	Name	Designation
1.	Dr. V S Pandey	Dean SW, Chief Proctor & Chief Warden
2.	Dr. Sandeep Kumar	Associate Chief Warden
3.	Dr. Ashok Kumar Dewangan	Warden (Dhauladhar Hostel)
4.	Dr. Amit Kumar Singh	Warden (Dhauladhar Hostel)
5.	Dr. Sachin Agrawal	Warden (SRHC Hostel)
6.	Dr. D.Vaithiyanathan	Warden (NILERD Hostel)
7.	Dr. Preeti Verma	Warden (Yamuna Girls Hostel)
8.	Mr. Rajeev Sharma	Junior Assistant (Office of Chief Warden)
9.	Mr. Naman Sharma	Associate Warden (Dhauladhar Hostel)
10.	Mr. Umakant Sharma	Associate Warden (Yamuna Boys Hostel)
11.	Ms. Prakriti Sharma	Associate Warden (Yamuna Girls Hostel)
12.	Mr. Raj Kumar	Associate Warden (SRHC-4 Boys Hostel)
13	Mr. Faqir Chand	Associate Warden (SRHC-3 Boys Hostel)
14.	Mr. Krishan Pal	Associate Warden (NILERD Boys Hostel)
15.	Mr. Rajesh	Associate Warden (NILERD Boys Hostel)

Boys Hostel:-

BH-1:- Dhauladhar Boys Hostel –capacity of 380 students

BH-2:- NILERD Boys Hostel - Capacity of 210 Students

BH-3:- SRHC Boys Hostel 3- Capacity of 80 students

BH-4:- SRHC Boys Hostel 4- Capacity of 70 students

Girls Hostel

GH-1:- Yamuna Girls Hostel – Capacity of 225 students

PHOTO GALLERY OF HOSTELS AND MESS

BH-1
Dhauladhar Boys Hostel
(In permanent campus)

BH-2
NILERD boys Hostel (In old Campus)

BH-3 &4
SRHC Boys Hostel (Narela)

GH-1
Yamuna Girls Hostel (In permanent Campus)

Boys Hostel Mess

Girls Hostel Mess

Following are the other facilities provided in the hostels –

- Fully furnished and spacious rooms
- Free Wi-Fi and a computer room
- Visiting room
- Air Conditioner & Heater 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 Boys' Hostel.

PLANNING & DEVELOPMENT AND ESTATE OFFICE

OVERVIEW

NIT Delhi commenced its Academic and Administrative activities from permanent campus located at G T Karnal Road, Delhi from January 2022. The campus, sited on over 51 acres of land, is being built on the principles of sustainability and design innovation.

CONSTRUCTION OF PHASE 1A

The Construction of Phase 1A Development of permanent campus which includes Administrative Building, Mini Campus, Play Ground, Start-up Centre and External Development Works is completed, covering a total built-up area of 48,466 sqm.

CONSTRUCTION OF PHASE 1B

The Construction of Phase 1B Development is being executed by M/s Telecommunications Consultants India Limited on Deposit Work Basis. The work is in full swing and about 60% of work has been completed at site and the tentative date for completion of project is 30 Sep 2024. The work of the following building is in progress:

- **Construction of Academic Block**

The G+9 Story Academic Building consists of an Auditorium, Lecture Hall and Library. These blocks shall provide additional area for Labs, Workshops, and Faculty rooms etc. The approximate floor area of the Academic Block is 27911 sqm.

- **Construction of Hostel Building**

A new hostel with 792 seated capacity, fully air conditioned, is being built. The G+7 storied building has a built up area of 22,616 Sqm (approx). The Hostel has a Dining Hall, Recreation Room and Study Hall for the students.

❖ Construction of Residential Quarters and Director's Residence

For staff and faculty, residential accommodation with 60 dwelling units is being constructed in the campus with an approximate total built up area of 12990 Sqm.

Physical & Financial Progress of Buildings Constructed under Phase 1B			
S No.	Buildings	Physical Progress(%)	Financial Progress(%)
1	Academic Block	50	46
2	Hostel Block	64	61
3	Residential Block	74	71
4	Director Residence	67	62
5	External Development	55	50

GREEN CAMPUS INITIATIVES

In line with its commitment to sustainability, NIT Delhi has adopted several green campus initiatives to make the campus habitable by developing.

- Roof top rainwater and surface water harvesting infrastructure
- Wastewater management system and wastewater recycling plant to make the campus zero discharge
- Solar photovoltaic power generating system
- Use of LED lights and BLDC fans,
- GRIHA compliances for building
- Plantation of Trees in the Campus

The outcome as it starts today is a world-class wellness and green campus with a positive ambiance.

Hostel Block (Model Picture)

Hostel Block (Present Construction Status)

Academic Block (Model Picture)

Hostel Block (Present Construction Status)

Residential Block (Model Picture)

Residential Block (Present Construction Status)

OTHER MAJOR AMENITIES

- **Banks & ATM:** The Institute has two banks situated in the campus: ICICI and Bank of Baroda. Both banks are regular branches in the campus and are housed in Administrative Building. In addition, there are ATM machines of the banks in Campus.
- **Transport:** Institute arranges bus transport services between the campuses. In addition, the Institute also has Electric vehicles for easy commute of students within the Permanent Campus.
- **Cafeteria & Mess:** The Institute has numerous eating hubs, present at prominent locations. The in-house mess facility in NIT Delhi Campus offers fresh, nutritious and flavorful food. The mess serves breakfast, lunch, evening snacks and dinner.
- **Medical Centre and Ambulance:** The on-campus health center caters to medical needs with a medical officer and nursing staff, along with 24/7 ambulance services.

ACADEMIC DEPARTMENTS

DEPARTMENT OF APPLIED SCIENCES

Vision:

To empower the students for advanced study and research in the significant domains of basic and applied sciences so that they can think critically & logically, communicate clearly, and live ethically. The department is dedicated to set a benchmark for sciences education by providing the students with multi-disciplinary approach to come up with practical knowledge that has a transformative influence on society through continuous innovation in Education & Research.

Mission:

- To set up state-of-the art infrastructure in laboratories in the field of Applied Sciences.
- To promote research and innovation activities and impart quality technical education through dynamic teaching-learning environment.
- To integrate human values and ethics with technical education and make students responsible citizen of India.

Projects Completed/On Going/sponsored projects in 2023- 2024:

S. No	Title	Start Date & Duration	Funding Agency	PI Name & Co-PI (if any)	Project cost	Whether Ongoing or completed
1.	Surface Modified Smart Nanoprobes for Subcellular Targeted Auto-Responsive Drug Delivery	19.06.2023 & 5 years	DST-Inspire	Dr. Chumki Dalal	36 Lac	Ongoing
2.	Projection of Wave Power in Indian Ocean and its Utilization along the Coastal Regions	March 2022 & 3rd years	SERB - DST	Dr. Prashant Kumar	24,54,360	Ongoing
3.	Extended Forecast of Wind-Wave Parameters along the Indian Coastline using Multi-tasking Machine- learning Techniques	5 July 2024 & 2 years	INCOIS Hyderabad	Dr. Prashant Kumar & Dr. Anurag Singh	17,31,000	Ongoing
4	MHD Waves and lows interaction and its possible role in heating the solar coronal plasma and its diagnostics	21-June 2023 (3 Years)	SERB-DST Government of India	Dr. Vinay Shankar Pandey & Dr. Harish Kumar (Co PI)	1928696	Ongoing
5	Development of flexible white organic light emitting diodes FWOLEDs	April-2023 (3 Years)	DST Government of India	Dr. Vinay Shankar Pandey (Mentor)	4339008	Ongoing
6	Prototype development of a photovoltaic solar cell with a high conversion efficiency: An application of two- dimensional materials	08/01/2024	CSIR	PI: Dr. Y. K. Prajapati (MNNIT Allahabad) Co-PI: Dr. Anuj Kumar Sharma (NIT Delhi)	Rs. 15 Lakhs	Ongoing

Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Organized in 2023- 2024:

S. No.	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Coordinator/ Convener/ Chairman
1	Winter School	Winter school on concepts in Solar Physics	NIT Delhi & ARIES Nainital	18-23 Dec 2023 (1 week)	Co Convener (Dr. VS Pandey)
2	Conference	Advanced & Emerging Materials for Technological Applications	Sant Longowal Institute of Engineering and Technology Longowal In collaboration with IIT Jammu, NIT Delhi and IAHT Ludhiana	15-16 March 2024	Organizing Secretary (Dr. VS Pandey)
3	VRITIKA Training	VRITIKA Training and Skill Internship on & ''Optical phase imaging and RF/microwave amplification''	Dr. Gyanendra Sheoran	01/07/2023 to 25/08/2023	Dr. Gyanendra Sheoran
4	Organised Lecture on "Parallel computation of block tridiagonal toeplitz -block -toeplitz linear systems" by Dr. S.Chandra Sekhara Rao, Indian Institute of Technology Delhi	Lecture Series "Frontiers in Mathematics and Computation"	Department of Applied Sciences, NIT Delhi	29 November 2023	Dr. Amit Mahajan
5	Organised Lecture on "New Evolutionary Behaviours and Exact Invariant Solutions of the (3+1)-dimensional Nonlinear Evolution Equations" by Dr. Sachin Kumar, University of Delhi	Lecture Series "Frontiers in Mathematics and Computation"	Department of Applied Sciences, NIT Delhi	27 December 2023	Dr. Amit Mahajan

Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Attended in 2023- 2024

Serial No.	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Faculty Attended by
NIL					
S. No.	**Title of the Expert Talk**	**Name of the Event**	**Organized By**	**Duration**	**Faculty Delivered Expert Talk**
1.	High-Frequency MHD Waves in the Solar Coronal Plasma and its Possible role in Heating & Solar Magneto Seismological Applications	National Conference on Advanced & Emerging Materials for Technological Applications	Sant Longowal Institute of Engineering and Technology, Longowal, (Punjab)	16 March 2024	Dr. Vinay Shankar Pandey

2	MCM-41 FUNCTIONALIZED ORDERED MESOPOROUS MATERIALS: APPLICATION IN CATALYSIS AND SENSING	Symposium on Nanomaterials and Applications (NMA-2024)	Department of Chemistry & Department of Physics Malaviya National Institute of Technology Jaipur	28th February 2024	Dr. A. P. Singh
3	MCM-41 BASED FUNC-TIONALIZED MESOPOROUS MATERIALS: APPLICATION IN CATALYSIS ANDSENSING	Frontiers In Sustain-able Catalysis and Organometallics 2024	Department of Chemistry & Department of Physics Malaviya National Institute of Technology Jaipur	11-12th July 2024	Dr. A. P. Singh
4	Hydrodynamic Stability by Energy Method	International Con-ference on Compu-tational and Mathe-matical Methods in Applied Sciences	School of Applied and Life Sciences, Uttaranchal Uni-versity, Dehradun	30 March 2024	Dr. Amit Mahajan

Journal Publications by the Departmental Faculty in 2023- 2024:

S. No.	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the paper	Name of the Journal	Volume	Page number	Month and Year of Publication
1	Anjali Kumari Garg, Buta Singh, Sourenjit Naskar, Rajneesh Ku-mar Prajapati Chumki Dalal, Sumit Kumar Sonkar.	Melamine–Formaldehyde polymer-based nanocom-posite for sunlight-driven photodegradation of multi-ple dyes and their mixture	Langmuir	39	11036-11047	July,2023
2	Anjali Kumari Garg, Ruchi Aggarwal, Niha Mohan Kulshreshtha, Chumki Dalal, Kiran Gupta, Sumit Kumar Sonkar.	Ag 3 PO 4Nanoparti-cles-Decorated Melamine–Formaldehyde Polymer Na-nocomposite as a Catalyst for the Photodegradation of Bisphenol A and its Antibac-terial Activity	ACS Applied Nano Materials	6	20909-20918	November,2023
3	Prashant Kumar, Anshu Yadav, Divya Sardana, Ramakant Prasad, Rajni	Extreme wave height re-sponse to climate modes and its association with tropical cyclones over the Indo-Pacific Ocean	Ocean Engi-neering	296	116789	January, 2024
4	Mercè Casas-Prat, Mark A. Hemer, Guil-laume Dodet, Joao Morim, Xiaolan L. Wang, Nobuhito Mori, Ian Young, LiErikson, BaharehKamranzad, Prashant Kumar, Meli-sa Menéndez & Yang Feng	Wind-wave climate changes and their impacts	Nature Reviews Earth & Environment		23–42	January,2024

5	Prabha Kushwaha, Vivek Kumar Pandey, Prashant Kumar & Divya Sardana	CMIP6 Model Evaluation for Mean and Extreme Precipitation Over India	Pure and Applied Geophysics	181	655–678	January, 2024
6	Divya Sardana, Prashant Kumar, Rajni	Influence of climate variability modes over wind-sea and swell generated wave energy	Ocean Engineering	291	116471	December, 2023
7	Prachi Priya, Prashant Kumar, Gulshan Gulshan, Rajni	Mathematical Modeling of Moored Ship Motion in Arbitrary Harbor utilizing the Porous Breakwater	China Ocean Engineering	37	738–752	November, 2023
8	Prachi Priya, Prashant Kumar, Gulshan & Rajni	Mathematical Modeling of Moored Ship Motion in Arbitrary Harbor utilizing the Porous Breakwater	China Ocean Engineering	37	738–752	November, 2023
9	Divya Sardana, Prashant Kumar, Rajni	CMIP6 model evaluation for sea surface height responses to ENSO	Climate Dynamics	62	1829–1847	October,2023
10	Sukhwinder Kaur, Prashant Kumar, Seung-Ki Min, Athira Krishnan & Xiolan L. Wang	Evaluation of COWCLIP 2.0 Ocean wave extreme indices over the Indian Ocean	Climate Dynamics	61	5747–5765	July, 2023
11	B.B.Sahoo, V.S.Pandey,A.S. Dogonchi, D.N. Thatoi, N.Nayak, Manoj Kumar Nayak	Synthesis, Characterization and Electrochemical aspects of Graphene based Advanced Supercapacitor Electrodes	Fuel	345	128174	Aug 2023
12	B.B.Sahoo,V.S.Pandey, A.S.Dogonchi,P.K.Mohapatra, D.N. Thatoi, N. Nayak, M.K. Nayak	A state-of-art review on 2Dmaterial-boosted metal oxide nanoparticle electrodes: Supercapacitor applications	Fuel	65	107355	Aug 2023
13	B.B. Sahoo, V.S. Pandey, A.S.Dogonchi, D.N. Thatoi, N. Nayak, M.K. Nayak	Exploring the potential of borophene-based materials for improving energy storage in supercapacitors	Inorganic Chemistry Communications	154	110919	Aug 2023
14	R Yadav, S Gotra, V S Pandey, S Kumar	Graphene based Two-port MIMO Yagi-Uda Antenna for THz applications	Micro and Nanostructures	181	207616	Sept 2023
15	S. Parida, K.C. Sahu, B.B.Sahoo, D.N. Thatoi V.S. Pandey, N.Nayak, M.K. Nayak	High performance supercapacitor electrodes from automobile soots: An effective approach to control environmental pollution	Inorganic Chemistry Communications	158	111671	Dec 2023
16	R. Yadav, V SPandey, P.Verma	Nano-Scaled Graphene Plasmonic Based Vanadium Dioxide Yagi-Uda Array MIMO Antenna for Terahertz Applications	Plasmonics	19	1-13	Feb 2024
17	A. Kumar, V S Pandey	High-frequency dissipative MHD waves in straight magnetic cylindrical plasma: Coronal loops heating application	Physics of Plasmas	31	022109	Feb 2024

18	Garima Chaudhary, Bhawna Joshi, Amit Pratap Singh	Recyclable Pd(II) immobilized MCM-41 based heterogeneous catalyst for Suzuki–Miyaura and Heck coupling reactions	Inorganic Chemistry Communications	164	112405	2024
19	Subhash Utadiya, Vismay Trivedi, Kevin Bhanderi, Mugdha Joglekar, Chaitanya Limberkar, Kireet Patel, Gyanendra Sheoran, Humberto Cabrera, Bahram Javidi, Arun Anand	Thickness and surface profiling of optically transparent and reflecting samples using lens-less self-referencing digital holographic microscopy	Applied Surface Science Advances	18	100484	12/2023
20	Vineeta Kumari, Neelam Barak, Ajay K Sharma, Arun Anand, Gyanendra Sheoran	Telecentric phase imaging at extended depth of focus using digital holographic microscopy	Precision Engineering	87	23-32	05/2024
21	Vismay Trivedi, Parth-Soni,Mugdha Joglekar, Vani Chhaniwal, Gyanendra Sheoran, Giancarlo Pedrini, Wolfgang Osten, Bahram Javidi, Arun Anand	Two-wave length contouring by iterative phase retrieval using volume speckle field	Journal of Optics	1-12		04/2024
22	Subhash Utadiya, Vismay Trivedi, Atul Srivastava, Humberto Cabrera, Maria Liz Crespo, Gyanendra Sheoran, Arun Anand	Optical thickness measurement of occluded samples by lens-less Fourier transform digital holography, thermal loading, and machine learning	Applied Optics	B16-B23	63	03/2024
23	Tushar Sarkar, Sourav Chandra, Gyanendra Sheoran, Rakesh Kumar Singh	Leveraging the depolarization of scattered light for holography with the Stokes correlation	Applied Physics Letters		124	02/2024
24	Gaurav Dwivedi, Vineeta Kumari, Neelam Barak, Arun Anand, Ajay K Sharma, Gyanendra Sheoran	Multimodal optical device to study dynamics of drying process	Optics and Lasers in Engineering	107726	169	10/2023
25	R. Jangra, S. K. Mishra, and Anuj K. Sharma	High- responsivity ultraviolet photo detectors with enhancement of optical absorption using graphene components and Al 2 O 3 layer on Si substrate	IEEE Sensors Journal	24 (5)	6006- 6013	January 2024
26	M. B. Raj, D. Vaithiyanathan, and Anuj K Sharma	Au nanoparticles and reduced graphene oxide based plasmonic photodetector with enhanced performance in visible spectral region	Solid State Communications	375	115342	December 2023

27	M. B. Raj, D.Vaithi-yanathan, and Anuj K. Sharma	Simulation and Analysis of Plasmonic Photodetector Based on Au Nanoparticles and HfO 2 interlayer with Improved Performance in Visible Spectral Region	IEEE Sensors Journal	23 (23)	28769-76	October 2023
28	A. C. Mishra, Anuj K. Sharma, P. Lohia, and D. K. Dwivedi	Modelling and Analysis of High-Performing Reconfig-urable SPR Refractive Index Sensor employing Beryllium oxide, Nickel and Blue P/WS 2 Nanomaterials	Plasmonics	19	429-438	August 2023
29	V. A. Popescu and Anuj K. Sharma	High-Performance Plasmon-ic Sensor Based on Silver, Gold and Graphene Layers for Cancer Cell Detection at 632.8 nm Wavelength with Photonic Spin Hall Effect	Plasmonics	19	239-249	August 2023
30	K. Chauhan, Anuj K. Sharma, and Y.K. Prajapati	Spin wave based weak magnetic field measure-ment at room temperature by using magnonic crystal	Journal of Physics D: Ap-plied Physics	56	435001	July 2023
31	K. Rastogi, Anuj K. Sharma, and Y. K. Prajapati	Demonstration of Graphene-Assisted Tunable Surface Plasmonic Reso-nance Sensor Using Machine Learning Model	Applied Physics A	129	351	April 2023
32	Shalu Choudhary, Reeta Devi, Amit Ma-hajan, Sunil	Stability analysis in a cou-ple-stress fluid layer with variable viscosity heated from below: Different con-ducting boundaries	Chinese Jour-nal of Physics	83	94- 102	2023
33	Vinit Tripathi, Amit Mahajan, Rashmi Dubey	Effect of variable viscosi-ty, porous walls and mixed thermal boundary condition on the onset of Rayleigh-Bénard convective instability	European Jour-nal of Mechan-ics / B Fluids	104	102- 113	2024
34	Amit Mahajan, Madhvi Raj	Convection in a rectangu-lar enclosure with internally heated porous medium: Im-pact of boundary conditions	Journal of Engineering Mathematics	144	11(1-20)	2024
35	Vinit Tripathi, BM Shankar, Amit Maha-jan,IS Shivakumara	Global nonlinear stability of bidispersive porous convec-tion with throughflow and depth- dependent viscosity	Physics of Fluids	36	14110	2024
36	Amit Mahajan, Vinit Kumar Tripathi	Effects of vertical through flow and variable gravity field on double diffusive con-vection in afluid layer	Ricerche di Matematica	73	1271-1287	2024

Conference Papers Presented by the Departmental Faculty in 2023- 2024:

S. No.	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the paper	Name of the Conference	Place and Country where the Conference Held	Organizer of the Conference	Date of Presentation
1.	P K Chakravarti, M. Bharti, V S Pandey	Planar SIW Antenna for ISM Band Applications loaded with two tilted rectangular slots	IEEE Conference: First International Conference on Microwave, Antenna and Communication (MAC)	Prayagraj, India	MNNIT Allahabad	25 Mar 2023 (Published 13 July 2023)
2	R. Yadav, S. Gotra, V S Pandey, P.Verma	Analytical Study of the Dual-Band Log Periodic Antenna with MIMO Configuration for S-Band Cube Sat Application	IEEE International Conference on Electrical Electronics Communication and Computers (ELEXCOM)	Roorkee, Inda	IIT Roorkee	27 August 2023
3	V. Trivedi, M.Joglekar, S.Utadiya, N.Chhiller, S. Sharma, G. Sheoran, and A. Anand	Shape measurement of phase objects using fringe projection technique	Optical Measurement Systems for Industrial Inspection XIII	Germany	SPIE	15/08/2023
4	S. Sharma, G.Sheoran, and V.Kumari,	Quadrature-Transfom Based Surface Profiling of Speaker's Diaphragm Using Fringe Projection Profilometry	Optica Imaging Congress (3D,COSI, DH, FLat Optics, IS, pcAOP)	Boston,Massachusetts, United States	Optica	16/08/2023

Book Chapters Published by the Departmental Faculty in 2023-2024:

S.No.	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the Book Chapter	Name/ Details of the Book where the Chapter is Published	Volume	Page number	Publisher
1	R. Yadav, S.Sood, VS.Pandey	High performance dual band graphene slotted antenna for terahertz applications	Advances in AI for Biomedical Instrumentation, Electronics andComputing	1	6	Taylor and Francis Group
2	Vineeta Kumari, NeelamBarak, Gyanendra Sheoran	Necessity of Anatomically Real Numerical Phantoms in Optical Metrology: A Study	Handbook of Metrology and Applications		1347- 1368	Springer Nature Singapore

3	V. A. Popescu and Anuj K. Sharma	Microstructured and Non- Microstructured Fiber-Based Plasmonic Sensors for Hig- Perfor-mance and Wide-Range Detection of Different Parameters	Plasmonics-Based Optical Sensors and Detectors (ISBN: 9781003438304)	1 st Ed.	171-207	Jenny Stanford Publishing New York
4	H. F. Badgujar and Anuj K. Sharma	II-VI Semiconductor QDs in Surface Plasmon Resonance Sensors" in "Handbook of II-VI Semiconductor-based Sensors and Radiation Detectors	Handbook of II-VI Semiconductor-Based Sensors and Radiation Detectors (ISBN: 978-3-031-23999-1)	1 st Ed.	589-614	Springer Interna-tional Publishing Switzerland AG

Student's Thesis/ Project Guidance in 2023-2024: PhD Students:

S. No.	Roll No.	Name of Student	Date of Defense	Joint Supervision (if any)	Title of Dissertation
1	193431102	Prachi Priya (Supervisor Dr. Prashnat Kumar)	27/07/2023	-	Mathematical Modelling for linear and Non-linear Pressure Drop over Barriers in Partially Reflecting Arbitrary Shaped Port
2	193431101	Divya Sardana (Supervisor Dr. Prashnat Kumar)	10/10/2023	-	CMIP6 Model Evaluation and Projection of Sea Surface Height Associated with Natural Climate Variability

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
VISION AND MISSION

Vision: -

To communicate quality Computer Science Education for producing globally identifiable skilled technocrats and entrepreneurs upholding sound ethics, profound knowledge, and innovative ideas to meet industrial and societal expectations.

Mission: -

- To impart value-based technical knowledge and skill relevant to Computer Science and Engineering through effective pedagogies and hands-on experience on the latest tools and technologies to maximize employability.
- To strengthen multifaceted competence, nurture creativity, and innovation, andcreate entrepreneurial environment for an ever-changing technological scenario requiring communally cognizant solutions.
- To create an appetite for research, and higher education in contemporary, and emerging areas of Computer Science.
- To inculcate the moral, ethical, and social ideals essential for prosperous nation building.

1. Name of Faculty (as on 31 March 2024):

S. No.	Name of Faculty	Designation	Highest Qualification
1.	Prof. Geeta Sikka	Professor	Ph.D. Analysis & Design of Analogy based Soft-ware Effort Estimation Approaches (National Institute of Technology, Jalandhar)
2.	Dr. Shelly Sachdeva	Associate Professor	Ph.D.(Computer Science and Engineering) from University of Aizu, Japan
3.	Dr. Anurag Singh	Associate Professor	Ph.D. (IIT Kanpur, India), 2013
4.	Dr. Karan Verma	Associate Professor	Ph.D.(Universiti Teknologi Petronas, Malaysia)
5.	Dr. Sushila Maheshkar	Assistant Professor	Ph.D.
6.	Dr. Amandeep Kaur	Assistant Professor (On Contract Basis)	Ph.D.
7.	Dr. Gautam Kumar	Assistant Professor (On Contract Basis)	PhD (CSE) from NIT Rourkela
8.	Dr. Gunjan	Assistant Professor (On Contract Basis)	Ph.D.
9.	Dr. Sahil	Assistant Professor (On Contract Basis)	Ph.D. (Computer Engineering)

Department of Applied Science & Humanities (AS & HM)			
1.	Dr. V.S. Pandey	Associate Professor	Ph.D.
2.	Dr. Gyanendra Sheoran	Associate Professor	Ph.D., RDF
3.	Dr. Amit Pratap Singh	Associate Professor	Ph.D.
4.	Dr. Anuj Kumar Sharma	Associate Professor	Ph.D.
5.	Dr. Amit Mahajan	Associate Professor	Ph.D.
6.	Dr. Prashant Kumar	Associate Professor	Ph.D.

2. Projects Completed/On Going/sponsored projects in 2023-2024:

S. No	Title	Start Date & Duration	Funding Agency	PI Name & Co-PI (if any)	Project cost (in INR)	Whether Ongoing or completed
1.	AI Research & Innovation Laboratory	Project with 118 Lakhs for on 30-10-2023, SR/FST/ET-1/2023/1231	Fund for Improvement of Science & Technology Infrastructure (FIST), Department of Science and Technology	Prof Geeta Sikka -PI Dr Anurag Singh Co-PI Dr Karan Verma Co-PI	118 Lakhs	Ongoing
2.	An Intelligent Network Analyzer cum Patcher for advanced security hardening of the organizational network	Sept 2021	Device Development Programme (DDP), Department of Science & Technology, SERB	Dr Urvashi- PI Dr Geeta Sikka- Co-PI Dr L K Awasthi- Co-PI Dr Harsh Verma- Co-PI	Rs 72,79,420 at CSE Dept NIT_ Jalandhar	Ongoing
3.	Start up grant Video Analysis (Childhood defense system)	Nov. 2021	TIH IIT Patna	Anurag Singh	10,00,000	Ongoing
4.	FIST Program-2023 [Co-PI]	3 years	DST	Dr. Geeta Sikka, Dr. Ajay K. Sharma, Dr. Karan Verma	1,18,00,000	Ongoing
5.	Open-source unmanned aerial vehicle simulation – AirMobiSim	2023 – 2025 (2 Year's)	DST-IUSSTF	Dr. Karan Verma (NIT Delhi)	15,00,000/-	On-going
6.	Optimizing LoRa Spreading Factor Scheduling through Incentive Mechanisms	2024-2027 (3 Year's)	DST (MATRICS)	Dr. Karan Verma (NIT Delhi)	30,00,000/-	On-going
7.	Development of a system for the early diagnosis of heart diseases based on deep learning models using ECG signal processing	2024-2027 (3 Year's)	DST (EEQ)	Dr. Karan Verma (NIT Delhi), Prof. Ajay K Sharma (NIT Delhi	35,77,430/-	On-going
8.	High Performance Computing (FIST Infrastructure Support)	2023 – 2028 (5 Year's)	DST (FIST)	Prof. Geeta Sikka (NIT Delhi), Prof. Ajay K Sharma, Dr. Anurag Singh, Dr. Karan Verma (NIT Delhi)	118,00,000/-	On-going

3. Consultancy services completed/ongoing in 2023-2024:

S. No.	Title	Year	Agency	Coordinator /Dept.	Consultancy cost	By	Status (Completed/ ongoing)
NIL							

4. Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Organized in 2023-2024:

S. No.	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Coordinator/ Convener/ Chairman
1.	International Conference	3rd International Conference on Secure Cyber Computing & Communications ICSCCC 2023	NIT Jalandharand NIT Delhi	26th -28th May 2023	Prof Geeta Sikka Convenor cum Executive Chair
2.	Short Term Course	Artificial Intelligence and its Application to Smart Systems	CSE Dept, NIT Delhi	20th – 24th December, 2023	Prof Geeta Sikka Convenor
3.	Expert Talk	Infosys Springboard On Digital Learning	CSE Dept NITD	22nd November 2023	Prof Geeta Sikka Convenor
4.	Expert Talk	Prof Krishan Kumar on Fault Diagnosis Prognosis and AI for Aerospace Systems: Current Research and Future Challenges	CSE Dept NITD	18thApril 2023	Prof Geeta Sikka Convenor
5.	Expert Talk	AI Assisted Scientific Writing &Publishing" DrSowmiya Rani	CSE Dept NITD	16th October,2023	Prof Geeta Sikka Convenor
6.	Workshop	Robotics and AI: Shaping the Future of Industrial Automation	CSE Dept NITD	3rd-6th and 10th April 2024	Prof Geeta Sikka Convenor
7.	Short Term Course	Designing the Future of Networks: Conceptualizing VANETs, IOT, UAN, and 5G with NetSim	CSE Department, NIT Delhi	26th February 2024 – 1st March 2024	Prof Geeta Sikka Convenor
8.	Internship and Workshop	Optimization Techniques in IOT Enabled Wireless Sensor Networks	Department of CSE, NIT Delhi	8th- 5th April 2024	Prof Geeta Sikka Convenor
9.	Short Term Courses	Artificial Intelligence Techniques for Healthcare	EE & CSE	Feb. 22th to 27th, 2023	Dr. Karan Verma Convener
10.	Training and Skill Internship Vritika, Serb (DST)	Ubiquitous Computing	CSE	June 01th to 28th, 2023	Dr. Karan Verma Coordinator
11.	Training and Skill Internship, Vritika, Serb (DST)	Federated Learning for User Privacy and Data Confidentiality	CSE	1st March to 28th March, 2024	Dr. Karan Verma Coordinator
12.	Short-Term Course	Artificial Intelligence and its application to Smart systems	CSE Department (self-sponsored)	20-24 December 2023	Dr Gautam Dr Gunjan
13.	Short-Term Course	Designing the Future of Networks: Conceptualising VANET, IoT, UAN, and 5G with NETSIM	CSE Department (self-sponsored)	26th Feb to 1st March 2024	Dr. Gunjan, Dr. Divya Punia, Dr. Jaspinder kaur

14.	Expert talk	International Women's Day	ICC NIT DELHI	8th March 2024	Prof Geeta Sikka, Prof Manoj Kumar, Dr Gareema Sharma, Dr Gunjan
15.	Expert talk	The Role of Women in ViksitBharat@2047	ICC NIT DELHI	February 29, 2024	Prof Geeta Sikka, Prof Manoj Kumar, Dr Gareema Sharma, Dr Gunjan
16.	11th International Conference	Big-Data-Analysis in Astronomy, Science and Engineering	NIT Delhi, University of Aizu Japan	05-07 Dec 2023	Shelly Sachdeva
17.	Workshop	Research Orientation Workshop with Mastercard AI Garage	NIT Delhi and IGDTUW	08-10 June 2023	Shelly Sachdeva
18.	Lecture	Expert Talk by Dr. Shikha Tyagi titled "Let's talk : Secrets of Limitless Mind	NIT Delhi	25 Aug 2023	Shelly Sachdeva
19.	Short Term Course	Artificial intelligence and its application to Smart System	Dept. of CSE		Coordinator: Dr. Gautam Kumar, Dr. Gunjan Convenor: Dr. Geeta Sikka
20.	Workshop	Robotics and AI: Shaping the Future of Industrial Automation	Dept. of CSE	3rd - 6th April and 10th April, 2024	Coordinator: Dr. Gautam Kumar Convenor: Dr. Geeta Sikka
21.	Short Term Course	Evolving Artificial Intelligence	Dept. of CSE in collaboration with Manipal University Jaipur	28 May 2024 01 June 2024	Coordinator: Dr. Gautam Kumar, Dr. Amandeep Convenor: Dr. Geeta Sikka

5. Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Attended in 2023-2024:

Serial No.	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Faculty Attended by
1.	Workshop on 22 September,2023	Capacity Building Framework	GoI	I day	Prof Geeta Sikka
2.	Attended Congess at Bharat Mandapam on 27 October 2023	Mobile Congress	GoI	I day	Prof Geeta Sikka
3.	Workshop at Pragati Maidan on 12 May,2023	National Technology Week	GoI	I day	Prof Geeta Sikka
4.	Workshops	Mathworks	CSE & ECE	Aug. 21th – 23th, 2024	Dr. Karan Verma
5.	Scientific Collaborative Workshop	Scientific Collaborative Workshop between National Physical Laboratory (NPL) and National Institute of Technology (NIT) Delhi	National Physical Laboratory (NPL)	January 18, 2024	Dr Gunjan

6. Expert Lecture Delivered by Faculty in 2023-2024:

Serial No.	Title of the Expert Talk	Name of the Event	Organized By	Duration	Faculty Delivered Expert Talk
1.	Resurgence of AI Expert Lecture	Artificial Intelligence Techniques for Health-care Applications (AI-THA-2023),	National Institute of Technology Delhi	22 to 27 Feb 2023	Prof Geeta Sikka
2.	Keynote Speaker & Technical Program Committee Chair	5th International Conference on Computing, Power, and Communication Technologies	(IC2PCT 2024), Galgotias University, Greater Noida, India	09 to 10 Feb 2024	Prof Geeta Sikka
3.	Keynote/Plenary Speaker	International Conference on Intelligent Computing, Simulation and Optimization (ICICSO-2023),	Ganga Institute of Technology and Management, Haryana and Innovative Research Foundation (IRF).	08 to 10 Dec 2023	Prof Geeta Sikka
4.	Expert Talk	International Women's Day	Khalsa College of Engineering and Technology, Amritsar	8th March 2024	Prof Geeta Sikka
5.	Expert Talk on Reinforcement Learning and	Lecture Series in Machine Learning	Khalsa College of Engineering and Technology, Amritsar	28th-29th March 2024	Prof Geeta Sikka
6.	Expert Talkon Probablistic Reasoning	Machine Learning and AI	Khalsa College of Engineering and Technology, Amritsar	27th Feb 2024	Prof Geeta Sikka
7.	Navigating the AI Frontier	Viksit Bharat Abhiyan	CSE Department, Jamia Milia Islamia	20th March 2024	Prof Geeta Sikka
8.	Chief Guest Emerging Trends in Artificial Intelligence	Internet of Things and Artificial Intelligence, Emerging Trends, Tools, and Techniques	School of Computing, Indian Institute of Information Technology Una, Hp	22-26th April 2024	Prof Geeta Sikka
9.	Federated Learning in Computer Vision	SERB High-End Workshop (KARYASHALA) on A Practical Approach to Machine Learning and Deep Learning for Computer Vision Applications using High End Computing Resources from at MLNIT Allahabad.	MNIT Allahabad	March 15 -22, 2024	Anurag Singh
10.	AI and Digital Transformation	Three-week International Training Programme (ITP) on ' Financial Inclusion and Digital Transformation' NILERD, Delhi	NILERD, Delhi	27th March to 16th April 2024.	Anurag Singh
11.	Disruptive Technologies	2nd International Conference on Disruptive Technologies (ICDT-2024)"	GL Bajaj Institute of Technology & Management (GLBITM), Greater Noida	March 11-12, 2024	Anurag Singh

12.	Information Security, Machine learning, Cloud Architecture design	Three weeks International Training Programme (ITP) on 'Digitalization and Human Resource Management', NILERD, Delhi	NILERD, Delhi	17 January to 6th February, 2024	Anurag Singh
13.	Introduction to Machine Learning	2nd in the series: - International Conference on Communication, Security and Artificial Intelligence (ICCSAI-2023)	Galgotia university	23rd Nov to 25th Nov 2023	Anurag Singh
14.	Social Network Analysis	One week Faculty Development Programme on "Intelligent Computing and Communications"	Banasthali Vidyapith, Rajasthan	on April 12th, 2023	Anurag Singh
15.	Ubiquitous Computing	FTP	Manipal University Jaipur	17 July 2024	Dr. Karan Verma
16.	Keynote Speaker	"International Conferences on Advanced Computing and Information Science (ICACIS-2023)"	School of Computing Graphic Era Hill University (GEHU), Haldwani campus, Uttarakhand- 263 139 India	August 11-12th, 2023	Dr Gunjan
17.	Data Science and Healthcare	Next Generation AI – Research Perspectives	NIT Nagaland	18-24 Mar 2024	Dr. Shelly Sachdeva
18.		Scientific Collaborative Workshop between CSIR-NPL, New Delhi and NIT Delhi	NPL New Delhi	18 Jan, 2024	Dr. Shelly Sachdeva
19.	Deep Learning in Healthcare Applications	Invited Talk in Special Lecture Series by UI Educon , 6 Week International Summer School on Python for Data Science and AI with Research Skills on		17 July 2023	Dr. Shelly Sachdeva
20.	Applications of Internet of Things	Invited Talk on Three Weeks Training Programme for 59th Batch of DANICS Probationers, organised at DTU, Delhi.	DTU Delhi	11-29 September2023	Dr. Shelly Sachdeva
21.	Deep Learning and Healthcare	Expert Talk for FDP on "Deep Learning and AI-Based Healthcare Systems," Coimbatore Institute of Technology, Coimbatore	Coimbatore Institute of Technology, Coimbatore	18-24 Dec 2023	Dr. Shelly Sachdeva
22.	Exploring the Yagya's Effect on Air Pollutants	International Conference on Veda-Vijnana & Sanskriti Mahakumbha at Gurukula Kangri (Deemed to be University) Haridwar, Uttarakhand.	Gurukula Kangri, Haridwar, Uttarakhand	23-25 Dec 2023	Dr. Shelly Sachdeva
23.	Blockchain-based Framework for Healthcare 5.0	11th International Conference on Big Data Analytics in Astronomy Science and Engineering" 2023	NIT Delhi	05-07 Dec 2023	Dr. Shelly Sachdeva

24.	Querying in Knowledge Based Systems	11th International Conference on Big Data Analytics in Astronomy Science and Engineering" 2023	NIT Delhi	05-07 Dec 2023	Dr. Shelly Sachdeva
25.	Implementation And Performance Comparison of CNN-Based Semantic Segmentation Methods for Biomedical Application	IEEE Second International Conference on Informatics (ICI), 2023	JIIT, Noida	23-25 Nov, 2023	Dr. Shelly Sachdeva
26.	Role of Machine Learning in Biometrics	Faculty Development Program	Amity University	5 Days May 2024	Dr. Gautam Kumar
27.	The Rise of Ocular Biometrics with Machine Learning	Faculty Development Program	NIT Bhopal	July 2024	Dr. Gautam Kumar

7. Journal Publications by the Departmental Faculty in 2023-2024:

S. No.	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the paper	Name of the Journal	Volume	Page number	Month and Year of Publication
1.	Urvashi, Geeta Sikka, Lalit K Awasthi, Bharat Bhargava	Quantitative evaluation of extensive vulnerability set using cost benefit analysis	IEEE Transactions on Dependable and Secure ComputingSCI Impact factor: 6.791 Q1 Journal	21 (1)	298-308	March 2023
2.	Raj Mohan Singh, Lalit Kumar Awasthi, Geeta Sikka,	Towards Metaheuristic Scheduling Techniques in Cloud and Fog: An Extensive Taxonomic Review	ACM Computing Surveys (CSUR), SCI Impact Factor 16.6 Q1 Journal	55 (3)	1-43	February 2022
3.	S Singh, AS Nandan, G Sikka, A Malik, N Kumar A	Genetic Algorithm Based Dynamic Transmission of Data for Communicable Disease in IoMT Environment	IEEE Internet of Things Journal SCI Impact Factor: 10.238 Q1 Journal	11 (1)	1427-1438	June 2023
4.	N Agarwal, G Sikka, LK Awasthi	WGSDMM+ GA: A genetic algorithm-based service clustering methodology assimilating dirichlet multinomial mixture model with word embedding	Future Generation Computer Systems SCI Impact Factor: 7.307 Q1 Journal	145	254-266	August 2023

5.	PK Rajput, G Sikka	Multi-agent architecture approach for self-healing systems: Run-time recovery with case-based reasoning	Concrrency and Computation: Practice and EperienceSCI Impact Factor: 1.831, Q3 Journal	35 (1)	E7442	October 2022
6.	S Jain, G Sikka, R Dhir	An automatic cascaded approach for pancreas segmentation via an unsupervised localization using 3D CT volumes	Multimedia Systems SCI Impact Factor: 2.603 Q1 Journal	29	2337-2349	May 2023
7.	P Chauhan, N Sharma, G Sikka	Application of Twitter sentiment analysis in election prediction: a case study of 2019 Indian general election	Social Network Analysis and Mining SCI Impact Factor: 0.682 Q1/Q2 Journal	13	Article 88 1-29	May 2023
8.	Priyavrat Chauhan, Nonita Sharma, Geeta Sikka,	On the Importance of Pre-processing in Small Scale Analyses of Twitter: A Case Study of the 2019 Indian General Election.	Multimedia-Tools and Applications ,SCI Impact Factor: 3.6 Q2 Journal	83	19219-19258	July 2023
9.	Rahul Thakur, Geeta Sikka, Urvashi Bansal, Jayant Giri, Saurav Malik	Deadline-aware and energy efcient IoT task scheduling using fuzzy logic in fog computing	Multimedia-Tools and Applications / SCI Impact factor 3.4 Q2 Journal	-	1-28	June 2024
10.	Suchi Jain, RenuDhir, Geeta Sikka	View adaptive unified self-supervised technique for abdominal organ segmentation	Computers in Biology and Medicine 177 (2024) 108659 Elsevier SCI Impact Factor 7.7 Q1 Journal	177	Article – 108659 1-11	July 2024
11.	Raj Mohan Singh, Geeta Sikka, Lalit Kumar Awasthi	LBATSM: Load Balancing Aware Task Selection and Migration Approach in Fog Computing Environment	IEEE Systems Journal SCI Impact Factor 4.4 Q1 Journal	18 (2)	796-804	June 2024
12.	Kumar, Pankaj, Anurag Singh, and Ajay K. Sharma	"Identification of influential vertices in complex networks: A hitting time based approach 36.11 (2024): e8031. doi.org/10.1002/cpe.8031	." Concurrency and Computation: Practice and Experience	36	e8031	2024
13.	Karan Verma, Geeta Sikka, Aman Swaraj, Sudesh Kumar, Ashok Kumar	Classification of COVID-19 on Chest X-Ray Images Using Deep Learning Model with Histogram Equalization and Lung	SN Computer Science	5	379	2024
14.	Verma, Karan; Tripathi, Shailendra; Mahajan, Rohini; Jain, Priyansh	Lora-Based Data Transmission System for Smart Buildings,	IEEE Communications Letters	Accepted		
15.	Karan Verma, Ashok Kumar, Aman Swaraj, Aditi Sagar	Classification of suspected objects and severity assessment of COVID-19 from chest X-ray images using deep transfer learning	Research on Biomedical Engineering	39	705-718	2023

16.	Karan Verma, Sonam, Shashvat Kumar,	Next-Gen Cardio Care: Engineering Precision with Hyperdimensional K in KNN Cardiac Disease Prognosis	Procedia Computer Science	Accepted		2024
17.	Karan Verma, Tunisha Varshney, Arshpreet Kaur,	Enhanced Breast Cancer Classification: A Novel Fusion of Deep Features, Shape Features and GCLM Features	Procedia Computer Science	Accepted		2024
18.	Arya, A., Pahwa, K. & Gunjan	A butterfly optimization approach for improving the performance of futuristic internet-of-things.	Evolving Systems			2023
19.	V Pawar, S Sachdeva	ParallelChain: a scalable healthcare framework with low-energy consumption using blockchain	International Transactions in Operational Research	31	3621-3649	2024
20.	N Bansal, S Sachdeva, LK Awasthi	Query-based denormalization using hypergraph (QBDNH): a schema transformation model for migrating relational to NoSQL databases	Knowledge and Information Systems	-	1-42	2023
21.	N Bansal, S Sachdeva, LK Awasthi	Are NoSQL databases affected by schema?	IETE Journal of Research	70	4770-4791	2024
22.	S Sachdeva, H Singh, S Bhatia, P Goswami	An integrated framework for predicting air quality index using pollutant concentration and meteorological data	Multimedia Tools and Applications	83	46967-46996	2023
23.	S Sachdeva, R Kaur, Kimmi, H Singh, K Aggarwal, S Kharb	Meteorological AQI and pollutants concentration-based AQI predictor	International Journal of Environmental Science and Technology	21	4979-4996	2023
24.	N Bansal, S Sachdeva, LK Awasthi	Schema Generation for Document Stores using Workload-Driven Approach	Journal of Supercomputing	-	1-49	2023
25.	Shelly Sachdeva	Standard-based personalized healthcare delivery for kidney illness using deep learning	Physiol. Meas.	44(8)	1-23	2023
26.	L. Aggarwal, S. Sachdeva and P. Goswami	Quantum healthcare computing using precision based granular approach	Applied Soft Computing	144	1568-4946	2023
27.	Gautam Kumar, Sambit Bakshi, Arun Kumar Sangaiah, Pankaj Kumar Sa	Experimental Evaluation of Covariates Effects on Periocular Biometrics: A Robust Security Assessment Framework	ACM Journal of Data and Information Quality	15 (2)	1-25	June 2023

8. Conference Papers Presented by the Departmental Faculty in 2023-2024:

S. No.	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the paper	Name of the Conference	Place and Country where the Conference Held	Organizer of the Conference	Date of Presenta-tion
1.	Samarth Gupta, Geeta Sikka, Aruna Malik	"A Review on Deep Learning-Based Polyp Segmentation for Efficient Colorectal Cancer Screening,",	, "Third In-ternational Conference on Secure Cyber Computing and Communica-tion (ICSCCC)" pp. 501-506, 2023.	Dr. B R Ambed-kar National Institute of Technology (NIT) in Jaland-har, Punjab, India.	NIT Jalandhar in collaboration with NIT Delhi	
2.	V. Sharma, A. Singh and S. Gaito	Video Captioning using Spatio-temporal Graphs: An Encod-er-Decoder Approach,	International Conference on COMmunica-tion Systems & NETworkS (COMSNETS), Bengaluru, India,	Bengaluru, India,	COMSNETS	3-7 Jan. 2024
3.	Singh, P. Singh, V. Sharma, D. Tyagi, N. Pand-ey and B. Vaid	a) Palanam: A Deep Learning Based Childhood Defense System.	International Conference on COMmunica-tion Systems & NETworkS (COMSNETS), Bengaluru, India	Bengaluru, India,	COMSNETS	3-7 Jan. 2024
4.	K. Singhal, S. Manhas and A. Singh	Health Prediction Using Network Reconstruction Based Model	International Conference on COMmunica-tion Systems & NETworkS (COMSNETS), Bengaluru, India	Bengaluru, India,	COMSNETS	3-7 Jan. 2024
5.	V. Sharma, A. Singh and S. Gaito	Object Centered Video Captioning using Spa-tio-temporal Graphs	IEEE Interna-tional Con-ference on Interdisciplinary Approaches in Technology and Manage-ment for Social Innovation (IATMSI), Gwali-or, India	IIITM Gwalior	IEEE	March 06-08
6.	Sajja, Bhavyesh	Detection of Violent Content in Videos Us-ing 2D Attention-Aug-mented Convolutional Networks and Gated Recurrent Unit	IEEE- INDICON, 2023,	Hyderabad	IEEE	14-17, Dec., 2023

7.	Harish, Karan Verma, Vinay, Rishav Sing	Meta-Transfer Learning for Few-Shot Learning: A Comprehensive Overview	ICEMSMCI-2024	India	Chitkara University	July 18, 2024
8.	Tunisha Varshney, Karan Verma and Arshpreet Kaur	Exploring Advanced Segmentation Strategies for Breast Cancer Detection: A Comparative Study of U-Net Variants and Ensemble Model	IC2SDT- 2024	India	NIT Delhi	Aug. 3, 2024
9.	Sunny Kumar, Karan Verma	Lora-Based Data Transmission System for Smart Buildings	IC2SDT- 2024	India	NIT Delhi	Aug. 3, 2024
10.	Ankita Hora, Karan Verma	1DResnet: A Novel Deep Learning Model for Efficient Modulation Classification in Wireless Networks	ICICA 2024	India	BIT Mesra	April 4, 2024
11.	Abhishek Maurya, Karan Verma	FedSec+: An advanced Privacy-enhanced Cardiovascular Disease Prediction model using Federated Learning	Indiscon 2024	India	PEC, Chandigarh	June 15, 2024
12.	PK Sethy, S Sachdeva, S Kumar	Implementation And Performance Comparison of CNN-Based Semantic Segmentation Methods for Biomedical Application	IEEE Second International Conference on Informatics (ICI), JIIT, Noida, ICI 2023	JIIT, Noida, ICI 2023	JIIT, Noida	23-25 Nov, 2023
13.	S Sachdeva	Exploring the Yagya's Effect on Air Pollutants	International Conference on Veda-Vijnana & Sanskriti Mahakumbha at Gurukula Kangri (Deemed to be University) Haridwar, Uttarakhand.	Gurukula Kangri, Haridwar, Uttarakhand		23-25 dec, 2023
14.	V Pawar, S Sachdeva, S Bhalla	Blockchain-based Framework for Healthcare 5.0	11th International Conference on Big Data Analytics in Astronomy Science and Engineering" 2023	NIT Delhi, University of Aizu, Japan		05-07 Dec 2023
15.	S. Sachdeva	Querying in Knowledge Based Systems	11th International Conference on Big Data Analytics in Astronomy Science and Engineering" 2023	NIT Delhi, University of Aizu, Japan		05-07 Dec 2023

16.	Kanika Soni, Shelly Sachdeva and Anupama Minj	,Querying Healthcare Data in Knowledge-Based Systems	11th International Conference on Big Data Analytics in Astronomy, Science, and Engineering	NIT Delhi, University of Aizu, Japan		2023
17.	Mayank Deep Khare, Shelly Sachdeva, Divyam Dubey, Rohit Singh, Rajpoot and Saurav Kumar	Vayu Vishleshan: AQI Monitoring and Reduction Analysis	11th International Conference on Big Data Analytics in Astronomy, Science, and Engineering	NIT Delhi, University of Aizu, Japan		2023
18.	S. Sachdeva, M. Khare, V.Gupta and S.Bhalla	Pollution Reduction and Vedic Science: Health Based Computer Scientist Perspective	International Conference and Summit on EMERGING TECHNOLOGIES IN HEALTHCARE: A NEW TOMMORROW	NIET Noida		23-24 June, 2023
19.	Bhatia, Sachdeva, S., Goswami, P	A Scientific Perspective of Agnihotra to Curtail Pollutants in the Air.	Big Data Analytics in Astronomy, Science, and Engineering	NIT Delhi, University of Aizu, Japan		2023
20.	Soni, K., Sachdeva, S., Goyal, A., Gupta, A., Bose, D., Bhalla, S.	Saral Anuyojan: An Interactive Querying Interface for EHR	Big Data Analytics in Astronomy, Science, and Engineering	NIT Delhi, University of Aizu, Japan		2023
21.	Krishna K Agrawal, Gautam Kumar	Canine Vertebral Column Segmentation Using Deep Learning	First International Conference on Pioneering Developments in Computer Science & Digital Technologies (IC2SDT)	Delhi, India	NIT Delhi	04/08/24
22.	Subhasish Sarkar, Gautam Kumar	Identification of Sugarcane Leaf Diseases and Deficiency Disorders Using Transformers	First International Conference on Pioneering Developments in Computer Science & Digital Technologies (IC2SDT)	Delhi, India	NIT Delhi	04/08/24
23.	Shashank Kumar Soni, Gautam Kumar	Person Re-Identification: A Retrospective Study, Recent Trends and Future Scope	First International Conference on Pioneering Developments in Computer Science & Digital Technologies (IC2SDT)	Delhi, India	NIT Delhi	04/08/24

9. Book Chapters Published by the Departmental Faculty in 2023-2024:

S. No.	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the Book Chapter	Name/ Details of the Book where the Chapter is Published	Volume	Page number	Publisher
1.	Kaur, G., Bansal, U., Verma, H. K., Sikka, G., & Awasthi, L. K. (2023).	Discernment and Perusal of Software Vulnerability.	Malware Analysis andIntrusion Detection in Cyber-Physical Systems	-	115-140	IGI Global.
2.	Prateek Gupta, Amrita, Himansu Sekhar Pattanayak, Gunjan, Lalit Kumar Awasthi, Vachik S. Dave	"Bio-inspired Multilevel ICHB-HEED Clustering Protocol for Heterogeneous WSNs"	Recent Trends and Best Practices in Industry 4.0			River Publishers
3.	K Soni, S Sachdeva, S Batra	Role of Database in Epidemiological Situation	Disease Prediction using Machine Learning, Deep Learning and Data Analytics	13	159-171	Bentham Science Publishers

10. Book Published by the Faculty in 2023-2024:

S. No.	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the Book	Name/ Details of the Book	Volume	Page number	Publisher
1.	S. Sachdeva, Y. Watanobe, S. Bhalla	Check for updates Vayu Vishleshan: AQI Monitoring and Reduction Analysis	Big Data Analytics in Astronomy, Science, and Engineering	13830	184	Springer Nature

11. Student's Thesis/ Project Guidance in 2023-2024:

PhD Students:

S. No.	Roll No.	Name of Student	Date of Defense	Joint Supervision (if any)	Title of Dissertation	Name of Supervisor
1.	21503003	Dewesh		Dr Samayveer Singh	Design & Development of a Multimodal Architecture to enhance Single Image Super-Resolution using Semi-Supervised Learning	Prof.(Dr.) Geeta Sikka
2.	22503010	Suchi Jain		Dr Renu Dhir	Automatic Segmentation and Diagnosis of the Abdominal Organs using 3D Volumes	Prof.(Dr.) Geeta Sikka
3.	223212201	SarimMoin		Prof. (Dr.) Manju Bala, Khalsa College of Engg and Tech., Amritsar	Identify & Classify Mild Cognitive Impairment (MCI) in patients	Prof.(Dr.) Geeta Sikka
4.	233211102	Parul Chauhan		Dr. Chandra Prakash, SVNIT Surat	Machine Learning for healthcare	Prof.(Dr.) Geeta Sikka
5.	233212103	Tushar Mehrotra		Dr. Gautam Kumar, NIT Delhi	Conversational Recommendation Using NLP	Prof.(Dr.) Geeta Sikka
6.	17503002	Rajmohan Singh		Prof Lalait Kr Awasthi	Design & Analysis of Efficient Task Scheduling Algorithms in Fog Computing Environment	Prof.(Dr.) Geeta Sikka
7.	18503004	Priyavrat		Dr Nonita Sharma	Design and development of a system model for multimodal Sentiment analysis and classification of twitter data	Prof.(Dr.) Geeta Sikka
8.	22503005	Jyoti		Dr Urvashi	A Hybrid Model for Attack Graph Analysis and Patch Management for Network Security hardening	Prof.(Dr.) Geeta Sikka
9.	233211207	Vandana Sharma		Prof.(Dr.) Ajay K. Sharma	NLP	Prof.(Dr.) Geeta Sikka
10.	183211105	Vijayant Pawar	18-12-2023	----------	Scalable and Secure Healthcare Framework using Blockchain for Operational Interoperability	Dr. Shelly Sachdeva
11.	183211101	Neha Bansal	22-03-2024	Prof. Awasthi	Data Modelling and Database Migration for NoSQL Database	Dr. Shelly Sachdeva, Prof. Lalit Awasthi
12.	23212202	KM Ankita Rai	On-going	Sole Supervision	Smart Water Management Strategies for Agriculture (Tentative Title)	Dr. Sahil
13.	233211210	Jyoti	On-going	Sole Supervision	Smart AgriDisasters Management Frameworks (Tentative Title)	Dr. Sahil

M. Tech Students:

S. No.	Roll No.	Name of Student	Date of Defense	Joint Supervision (if any)	Title of Dissertation	Name of Supervisor
1.	232210027	Tushar Dahiya			Natural Language Processing for Text Summarization	Prof.(Dr) Geeta Sikka
2.	232211011	Harshit Mishra			UC Transnet for tumor detection in MRI Scan	Prof.(Dr) Geeta Sikka
3.	232211015	Kshitij Chadha			Web services clustering with synthetic data	Prof.(Dr) Geeta Sikka
4.	232211022	Naman Sharma			Enhancing the medical image classification	Prof.(Dr) Geeta Sikka
5.	212211010	Pawan Kumar	July 2023	Dr. Rishav	Multimodal Edge Based Deep Learning Approach For Automatic Segmenting Brain Tumor Magnetic Resonance Images	Dr. Shelly Sachdeva
6.	212211017	Umesh Ramlod	July 2023		Advancing Development Goals through Indoor Air Quality Monitoring and Reduction System	Dr. Shelly Sachdeva
7.	212211005	Garima Agrawal	July 2023		Semantic Interoperability using openEHR	Dr. Shelly Sachdeva
8.	212211012	Prabhat Pushp	July 2023		AQLComposer: Interactive GUI to query Electronic Health Records	Dr. Shelly Sachdeva
9.	212211009	Pankaj Kumar	June 2023	Prof.(Dr.) Ajay K. Sharma	"Hitting Time and Consensus in Higher Ordered Network" (2023)	Anurag Singh
10.	212211018	Anupama Singh,	June 2023		Community Detection in Complex Networks	
11.	212211008	Pandla Balakrishna Vijay Kumar,	June 2023		A Study of Video Captioning using Spatio-temporal attention	
12.	212211011	Pawan Yadav	June 2023	Dr. Chandra Prakash	Efficient Communication Transportation System Using Federated Learning	
13.	222210018	Sunny Kumar	July 2024	NIL	Lora-Based Data Transmission System for Smart Buildings	Dr. Karan Verma

14.	222210001	Ankita Hora	July 2024	NIL	1DResnet: A Novel Deep Learning Model for Efficient Modulation Classification in Wireless Networks	Dr. Karan Verma
15.	222210004	Arpan Kumari	July 2024	NIL	Hybrid Optimization Algorithm Combination of Genetic and PSO Algorithm for Efficient Data Routing in Vehicular Ad hoc Network	Dr. Karan Verma
16.	222211001	Abhishek Maurya	July 2024	NIL	FedSec+: An Advanced Privacy-Enhanced Cardiovascular Disease Prediction model using Federated Learning	Dr. Karan Verma
17.	222211010	Harish	July 2024	Dr. Rishav Singh	Meta-Transfer Learning for Few-Shot Learning	Dr. Karan Verma
18.	222210009	Malay Kumar	15/07/24		Modelling Techniques for the Prediction of Human Gait Angles	Dr. Gautam Kumar
19.	222210019	Syed Ali Hussain Rizvi	11/07/24		Rolling Mean Based Real-time Activity Detection and Alert Generation using Deep Learning	Dr. Gautam Kumar
20.	222211007	Asif Nzir Bhat	15/07/24	Yes	Crop Prediction using Federated Learning in Smart Agriculture	Dr. Sahil and Dr. Gautam Kumar
21.	222211007	Asif N Bhat	15.07.2024	Joint Supervision	Federated Learning-based Crop Prediction	Dr. Sahil Dr. Gautam
22.	222211003	Abhishek Singh	15.07.2024	Sole Supervision	Hyperspec. Time Series Appro. To Crop Sequencing	Dr. Sahil
23.	232210016	Jadumani Bharadwaj	On-going	Sole Supervision	Edge-hosted Federated Learning-based Rice Plant Disease Detection for Next-Gen Agriculture	Dr. Sahil
24.	232210019	Nishant	On-going	Sole Supervision	Real-Time Pothole Detection using YOLO and ResNet50D-based Modelling	Dr. Sahil
25.	232210021	Rubel Ali	On-going	Sole Supervision	Real-Time Water Quality Monitoring System for Smart Cities	Dr. Sahil

26.	232210026	Tarang Bansal	On-going	Sole Supervision	R2V-based Real-Time Traffic Phase Timing Outreach	Dr. Sahil
27.	232211012	Jyoti	On-going	Sole Supervision	Data Analytics-based Electric Vehicle Charging Station Localization	Dr. Sahil
28.	232211024	Neeraj Patidar	On-going	Sole Supervision	Cloud-Fog-assisted CPS for Soil Moisture-based Precise Irrigation	Dr. Sahil
29.	232211027	Priyanshu	On-going	Sole Supervision	Crowdsourced-based Pest Infection Detection in Smart Agriculture	Dr. Sahil

B. Tech Students:

S. No.	Roll No.	Name of Student	Date of Defense	Joint Supervision (if any)	Topic of Project	Name of Supervisor
1.	211210054	RuttalaGowthami Priya		Dr. Gunjan	Synergizing Data Preprocessing with Optimization Algorithms for Accurate Diabetes	Prof.(Dr) Geeta Sikka
2.	211210058	SangrangBargayary		Dr. Gunjan	Synergizing Data Preprocessing with Optimization Algorithms for Accurate Diabetes	Prof.(Dr) Geeta Sikka
3.	211210059	Sarvesh Anant Behare		Dr. Gunjan	Synergizing Data Preprocessing with Optimization Algorithms for Accurate Diabetes	Prof.(Dr) Geeta Sikka
4.	211210005	Aditya Chaurasia		Dr. Sahil	Cloud – Fog assisted Remote and On-Ground Sensing based Hybrid approach for AgriFires Detection and Management	Prof.(Dr) Geeta Sikka
5.	211210010	Angita Gargi Chandora		Dr. Sahil	Cloud – Fog assisted Remote and On-Ground Sensing based Hybrid approach for AgriFires Detection and Management	Prof.(Dr) Geeta Sikka
6.	211210029	Kabir Singh		Dr. Sahil	Cloud – Fog assisted Remote and On-Ground Sensing based Hybrid approach for AgriFires Detection and Management	Prof.(Dr) Geeta Sikka
7.	211210050	Ritesh Kumar		Dr. Sahil	Cloud – Fog assisted Remote and On-Ground Sensing based Hybrid approach for AgriFires Detection and Management	Prof.(Dr) Geeta Sikka

8.	191210044, 191210048), 191210051	Saad Mohammed Shlok Agarwal Udit Kumar	May 2023		OVERLAPPING COMMUNITY STRUCTURE OF COMPLEX NETWORKS IN NATURE AND SOCIETY	Anurag Singh
9.	191210016 191210036 191210041	Bhaware Himanshu Prashant Borkar Ravi Chandra Shah	May 2023		Speech Emotion Recognition Using Audio Analysis	Anurag Singh
10.	191210035 191210039 191210042	Prakhar Bharadwaj Ragesh Gupta Ravi Gurjar	May 2023		IMPORTANCE OF CURE ALGORITHM USING, MAHALANOBIS DISTANCE OVER K-MEANS ALGORITHM FOR LARGE DATASET	Anurag Singh
11.	201210015	D. Rohith	June 2024	Nil	Handling Imperfect Labels in Federated LoRa-Based Smart Hommes: A centroid-Based Approach	Dr. Karan Verma
12.	201210049	Subodh Kumar	June 2024	Nil	Handling Imperfect Labels in Federated LoRa-Based Smart Hommes: A centroid-Based Approach	Dr. Karan Verma
13.	201210055	Vishal Singh	June 2024	Nil	Handling Imperfect Labels in Federated LoRa-Based Smart Hommes: A centroid-Based Approach	Dr. Karan Verma
14.	201210033	Palak Talwar	June 2024	Nil	Face Mask Detection using lightweight neural networks on edge devices trained via early halting in knowledge distillation	Dr. Karan Verma
15.	201210054	Vedant Vasu Gupta	June 2024	Nil	Face Mask Detection using lightweight neural networks on edge devices trained via early halting in knowledge distillation	Dr. Karan Verma
16.	201210007	Ankit Kumar Choudhary	June 2024	Nil	Decentralized application recognition using federated learning with noisy data	Dr. Karan Verma
17.	201210020	Gonthupulisyamji	June 2024	Nil	Optimizing data flow in LoRa WAN Network	Dr. Karan Verma

18.	201210046	Simhadri Sukeerthi	June 2024	Nil	Optimizing data flow in LoRa WAN Network	Dr. Karan Verma
19.	201210003	Abhishek Yadav	June 2024	Nil	Zero moment point on a bipedal robot	Dr. Karan Verma
20.		Arpit Goyal,Aryan Gupta, Divyanshu Bose	June 2023		SARAL ANUYOJAN: A QUERY-BASED INTERFACE IMPLEMENTING EHR	Dr. Shelly Sachdeva
21.		Gourav Bansal, Kishan Srivastava, Vardan Agarwal	June 2023		UEHR – USABILITY IN EHR	Dr. Shelly Sachdeva
22.		Ponnaganti Jai Venkata Manikanta, Vadlamudi Neel Vittal Bharath, Varanasi Venkata Vaishnav Krishna	June 2023		Breathe Easy	Dr. Shelly Sachdeva
23.		Jeremy Joseph Abraham, Ritik Mehndiratta, Vaibhav Verma	June 2023		Blockchain Approach for Decentralized Electronic Health Records	Dr. Shelly Sachdeva
24.		Amit Kumar Yadav	June 2023		Swasthya Samrakshana	Dr. Shelly Sachdeva
25.	201210028	Manas Khantal	15/05/24		KRISHI SAHYOOG FARMER ASSISTIVE SYSTEM	Dr. Gautam Kumar
26.	201210048	Sourabh Garg	15/05/24		KRISHI SAHYOOG FARMER ASSISTIVE SYSTEM	Dr. Gautam Kumar
27.	201210012	Ayushi Arya	13.05.2024	Joint Supervision	AI-based Students' Mental Health Monitoring System	Prof. Geeta Sikka Dr. Sahil
28.	201210019	G. Sowmya Kranthi	13.05.2024	Joint Supervision	AI-based Students' Mental Health Monitoring System	Prof. Geeta Sikka Dr. Sahil
29.	201210031	Monisha Gautam	13.05.2024	Joint Supervision	AI-based Students' Mental Health Monitoring System	Prof. Geeta Sikka Dr. Sahil
30	201210034	Priyanka Sehra	13.05.2024	Joint Supervision	AI-based Students' Mental Health Monitoring System	Prof. Geeta Sikka Dr. Sahil
31.	211210010	Anjita Gargi Chandora	On-going	Joint Supervision	Remote and on-Ground Sensing-based Agrifire Detection	Prof. Geeta Sikka Dr. Sahil

32.	211210029	Kabir Singh	On-going	Joint Supervision	Remote and on-Ground Sensing-based Agrifire Detection	Prof. Geeta Sikka Dr. Sahil
33.	211210005	Aditya Chaursia	On-going	Joint Supervision	Remote and on-Ground Sensing-based Agrifire Detection	Prof. Geeta Sikka Dr. Sahil
34.	211210050	Ritesh Kumar	On-going	Joint Supervision	Remote and on-Ground Sensing-based Agrifire Detection	Prof. Geeta Sikka Dr. Sahil

12. Any other significant achievement by department for annual report in 2023-2024

1. Chief Guest at RKGIT Ghaziabad at International Conference on 21 July,2023
2. External Expert, BOS Computer Science &Engg, and Computer Science & Applications DAVIET Jalandhar August 07 & 10, 2023.
3. External Expert Board of Studies, IGPTU Kapurthala
4. External Expert, Board of Studies, Guru Jambheshwar University of Science and Technology, Hisar
5. Member of BoS of Computer Science & Information Technology, Alliance College of Engineering and Design, Alliance University 26th June, 2023

DEPARTMENT OF ELECTRICAL ENGINEERING
VISION AND MISSION

Vision: -

To prepare the global technocrats trained to meet the changing industrial technologies and to mould them into successful and ethical professionals, globally competent in Electrical Engineering and allied fields contributing to nation building.

Mission: -

- Offering state-of-the-art curriculum with advanced laboratory facility and innovative practices in teaching-learning to pursue a career in Electrical Engineering and allied fields.
- To provide a conducive environment for applied interdisciplinary research leading to successful entrepreneurs/ professionals.
- To inspire students to become responsible citizens and inculcate value based, socially committed professional ethics to cause of holistic development.
- To enable sustainable and cost-effective innovations, showcasing the importance of green energy technology with a focus on energy efficiency.

List of Faculty (as on 31 March 2024):

S.No	Name of Faculty	Designation	Highest Qualification
1.	Prof. (Dr.) Ujjwal Kumar Kalla	Professor	Ph.D.
2.	Dr. Obbu Chandra Sekhar	Associate Professor	Ph.D.
3.	Dr. Anmol Ratan Saxena	Associate Professor	Ph.D.
4.	Dr. K.T.Raju	Associate Professor	Ph.D.
5.	Dr. Pankaj Mukhija	Associate Professor	Ph.D.
6.	Dr. Amit Kumar Singh	Assistant Professor (On Contract Basis)	Ph.D.
7.	Dr. Sachin Singh	Assistant Professor (On Contract Basis)	Ph.D.
8.	Dr. Manoj Kumawat	Assistant Professor (On Contract Basis)	Ph.D.

Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Organized in 2023-2024:

S. No.	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Coordinator/ Convener/ Chairman
1.	Conference	Power Engineering and Intelligent System (PEIS 2023)	Department of Electrical Engineering	24th to 25th June 2023	Secretary (Dr. Manoj Kumawat)
2.	Conference	International Conference on Future Power Network and Smart Energy Systems: Issues and Challenges (FPNSES-23)	NIT Delhi, NIT Kurukshetra, and NPTI Faridabad	8-10 March 2024	General Co-Chair (Dr. Anmol Ratna Saxena)

Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Attended in 2023-2024:

S. No.	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Faculty Attended by
1.	Conference	Eighth IFAC International Conference on Advances in Control & Optimization of Dynamical Systems	Shiv Nadar Institution of Eminence (Shiv Nadar IoE) and Advanced Control and Dynamic Optimization Society (ACDOS)	12-15 March 2024	Pankaj Mukhija
2.	Conference	IEEE ETFG-2023	University of Wollongong, Australia	3-6 December 2023	Dr. Anmol Ratna Saxena

Expert Lecture Delivered by Departmental Faculty in 2023-2024:

S. No.	Title of the Expert Talk	Name of the Event	Organized By	Duration	Faculty Delivered Expert Talk
1.	Introduction to IoT	The Internet of Things and its applications in different areas	CSIR-National Physical Laboratory, New Delhi	12.05.2023	Pankaj Mukhija
2.	Performance Analysis of Distributed Energy Resources in Harmonics Polluted	Recent Research in Power Converter and Control –II	REC Ambedkar	Sept 28, 2023	Dr. Manoj Kumawat
3.	Modeling of Unbalanced Distribution System with RES	Applications of Power Converters in Electrical Engineering. APCEE2023	SKIT Jaipur	Oct 17, 2023	Dr. Manoj Kumawat
4.	High Performance DC-DC Converters for Integrating Renewable Energy Sources	Short-Term Course (STC), "Exploring New Frontiers in Sustainable and Secure Power, Renewable Energy, and Power Electronics Systems	SVNT Surat	One Week	Dr. Anmol Ratna Saxena
5.	Power Electronic Interfaces for Green Energy Fed Residential DC Nano-grids	AICTE TRAINING AND LEARNING (ATAL) ACADEMY Faculty Development Programme (FDP) on “Microgrid with Electric Vehicles: Intelligent and Allied Areas”	Central University Haryana Mahendergarh, Haryana	One Week	Dr. Anmol Ratna Saxena

Journal Publications by the Departmental Faculty in 2023-2024:

S. No.	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the paper	Name of the Journal	Volume	Page number	Month and Year of Publication
1.	M Kumawat et. al	Modified affine projection sign algorithm for power quality enhancement and metaheuristic-based MPPT in grid-interactive solar PV system: an experimental analysis	Electrical Engineering	2024(1)	1-21	2024
2.	M Kumawat et. al	Research on the incorporation of solar energy systems and the resulting problems throughout distribution network using the methods of MCS and SSA	Electric Power Components and Systems (Taylor & Francis),	-	-	2024
3.	M Kumawat et. al	A novel solution for the power transmission congestion of deregulated power system using TCSC and TLBO algorithm	e-Prime - Advances in Electrical Engineering, Electronics and Energy	08		2024
4.	M Kumawat et. al	Integrated encoder-decoder-based wide and deep convolution neural networks strategy for electricity theft arbitration.	Journal of Engineering and Applied Science	71	1-18	2024
5.	M Kumawat et. al	Adaptable pathway to net zero carbon: A case study for Techno-Economic & Environmental Assessment of Rooftop Solar PV System in University Campus	Energy Reports	09	3482-3492	2023
6.	M Kumawat et. al	Application of optimal control for wind integrated power system	Indonesian Journal of Electrical Engineering and Computer Science	32	654-663	2023
7.	Dubey, P., Kanumuri, T., Vyas, R. et al.,	Anisotropic differential concavity codes for palmprint representation.	Multimed Tools Appl	83	31001–31015	March 2024
8.	Agrawal, N., Agarwal, A. & Kanumuri, T.	Application of Statistical Parameters to Analyse the Performance of PWM Techniques in 3-Level Inverter-Based Compensator for Power Quality Improvement	MAPAN	39	511-523	February 2024
9.	Rachna and Amit Kumar Singh	Analyzing Policy Interventions to Stimulate Suitable Energy Sources for the Most Polluted States	Renewable and Sustainable Energy Reviews, Elsevier	Vol. 197	1–13	2024
10.	Rachna and Amit Kumar Singh	Analysing Electric Vehicle Performance Considering Smooth Roads with Seasonal Variation	Electrical Engineering, Springer Nature			2024

11.	Rachna and Amit Kumar Singh	Analysing Electric Vehicle Performance Considering Smooth Roads with Seasonal Variation	Electrical Engineering, Springer Nature			2024
12.	S. Aggarwal, R. Pal and Amit Kumar Singh	Terminal Voltage and Common Mode Voltage Analysis for Various PV Inverter Topologies	Electric Power Components and Systems, Taylor and Fransis			2023
13.	S. Aggarwal and Amit Kumar Singh	Assessing Performance of EV Charging Station with siting of DERs and FACTS device under Deregulated Environment	Electrical Engineering, Springer Nature			2023
14.	S. Aggarwal and Amit Kumar Singh, et al	Revolutionizing load management: A novel technique to diminish the impact of electric vehicle charging stations on the electricity grid	Sustainable Energy Technologies and Assessment, Elsevier	65		2024

Conference Papers Presented by the Departmental Faculty in 2023-2024

S. No.	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the paper	Name of the Conference	Place and Country where the Conference Held	Organizer of the Conference	Date of Presentation
1.	M Kumawat et. al	Single Solution for Control and Synchronization of Inverters in Microgrids	9th IEEE India International Conference on Power Electronics (IICPE),	DCRUST Murthal	28th -30th November 2023	28th November 2023
2.	Surya Karan Singh, Amit Kumar Singh, Rachna	Analyzing Stability of Multiphase Induction Machine and Transmission Line	Recent Developments in Control, Automation & Power Engineering (RDCAPE-2023	Noida, India		12 – 13 October 2023.
3.	Krishna Mishra, Amit Kumar Singh	Li-Ion Battery State of Health Assessment Using Machine Learning	International Conference on Power Electronics – IICPE 2023	Murthal, Delhi-National Capital Region, India.		28-30 Nov., 2023
4.	Juhi Kumari, Amit Kumar Singh	Optimizing Solar Power Generation with Bidirectional Converter and Fuzzy Logic for Battery Management in EVs	Students Conference on Electrical, Electronics and Computer Science, 2024	India.		February 24 - 25, 2024

5.	Rachna, Amit Kumar Singh	Machine Learning for Solar Power Generation Prediction in India	International Conference on Advancement in Computation and Computer Technologies (InCACCT-2023	Punjab, India		05 – 06 May 2023.
6.	Samrat Sagardeep Ghosh and Pankaj Mukhija	Adaptive Backstepping Control of Solar-Wind Hybrid Energy Conversion System under Disturbances	Eighth IFAC International Conference on ADVANCES IN CONTROL AND OPTIMIZATION OF DYNAMICAL SYSTEMS (ACODS 2024)	Shiv Nadar IoE, India	Shiv Nadar Institution of Eminence (Shiv Nadar IoE) and Advanced Control and Dynamic Optimization Society (ACDOS)	13.03.2024
7.	Samrat Sagardeep Ghosh and Pankaj Mukhija	Backstepping Controller Design for Maximum Power Harvesting from Solar-Wind Hybrid Energy Conversion System	5th International Conference on Energy, Power and Environment: Towards Flexible Green Energy Technologies (ICEPE) 2023	Shillong, India	National Institute of Technology, Meghalaya	17.06.2023
8.	Anmol Ratna Saxena and Ashima Kulshreshtha	A Three-Port DC-DC Converter for Solar PV Integration in DC Off-Grid Systems: Design and Control	IEEE ETFG-2023	University of Wollongong, Australia	University of Wollongong, Australia	3-6 December 2023

Book Published by the Departmental Faculty in 2023-2024:

S. No.	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the Book	Name/ Details of the Book	Volume	Page number	Publisher
1.	M Kumawat et. al	Optimal Planning and Operation of Distributed Energy Resources	10.1007/978-981-99-2800-2	01	1-258	Springer
2.						

Student's Thesis/ Project Guidance in 2023-2024:

PhD Students:

S. No.	Roll No.	Name of Student	Date of Defense	Joint Supervision (if any)	Title of Dissertation
1.	193231101	Nitesh Kumar Singh	10/01/24	Dr. Anshul Agarwal	Design and modelling of CdTe and environmental friendly perovskite solar cell for photovoltaic applications

M. Tech Students:

S. No.	Roll No.	Name of Student	Date of Defense	Joint Supervision (if any)	Title of Dissertation
1.	212231011	Sanjeev Kumar	13/07/2023	NA	Techno-Economic and Sensitivity analysis of On-Grid and Off- Grid hybrid system on HOMER software for Venadu Island
2.	212231010	Samrat Sagardeep Ghosh	13.07.2023	NA	Control of Solar-Wind Hybrid Energy Conversion System for Maximum Power Generation
3.	212231016	Mr. Deepanshu Singh	13.07.2023	NA	Energy Management for consumers and utilities in Smart Distribution System
4.	212231012	Shivam Bharti	July 2023	NA	DC NANO GRID WITH POWER MANAGEMENT SYSTEM

B.Tech Students:

S. No.	Roll No.	Name of Student	Date of Defense	Topic of Project
1.	191230049, 191230005, 191230051	Thakur Aditya Singh, Ajeya Sharma, Tushar Khitoliya	03/05/2023	Anti-Theft Alarm System using Arduino and Force Sensor
2.	191230012	Anurag Kumar	03/05/2023	Using UAVs with Silent Drone Technology for High-Precision Carbon Emission Detection
3.	191230018 191230028 181230021	Bhukya Suchitha, M. V. S. Mahesh, K. Kiran Babu		Machine Learning Based Electricity Theft Detection Using Consumer Usage Trends
4.	191230016 191230036 191230044	Ashish Singhal Rahul Meena Saurabh Yadav		Comparative Analysis of MPPT Algorithms for Photovoltaic System
5.	191230023 191230041 19123007 191230010	Harshit Mishra Sameer Kumar Akshita Anil Thori		Battery Management System Incorporating Soc Control, Pulse Charging and Cell Balancing
6.	191230003 191230014 191230046 191230048	Abnish Arya Arjun Singh Shubham Bansal Suyash Agarwal		Drowsiness Detection system

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Vision: -

Create an educational environment to prepare the students to meet the challenges of the modern electronics and communication industry through state of art technical knowledge and innovative approaches beneficial to society

Mission:

- To promote teaching and learning by engaging in innovative research and by offering state-of- the-art undergraduate, postgraduate, and doctoral programs.
- To cultivate an entrepreneurial environment and industry interaction, leading to the emergence of creators, innovators, and leaders.
- To promote co-curricular and extra-curricular activities for the overall personality development of the students.
- Building of responsible citizens through awareness and acceptance of ethical values

1. List of Faculty (as on 31 March 2024):

S.No.	Name of Faculty	Designation	Highest Qualification
1.	Prof. (Dr.) Manoj Kumar	Professor	Ph.D.
2.	Prof. (Dr.) Jyoteesh Malhotra	Professor	Ph.D.
3.	Dr. Manisha Bharti	Associate Professor	Ph.D.
4.	Dr. Rikmantra Basu	Associate Professor	Ph.D.
5.	Dr. D. Vaithiyanathan	Assistant Professor	Ph.D.
6.	Dr. Sandeep Kumar	Assistant Professor	Ph.D.
7.	Dr. Baljit Kaur	Assistant Professor	Ph.D.
8.	Dr. Sachin Agrawal	Assistant Professor	Ph.D.
9.	Dr. Nitin Singh Singha	Assistant Professor	Ph.D.
10.	Dr. Dharmendra Kumar Jhariya	Assistant Professor	Ph.D.
11.	Dr. Mahesh Kumar Singh	Assistant Professor	Ph.D.
12.	Dr. Preeti Verma	Assistant Professor	Ph.D.
13.	Dr. Manish Verma	Assistant Professor	Ph.D.

2. Projects Completed/On Going/sponsored projects in 2023-2024:

S. No	Title	Start Date & Duration	Funding Agency	PI Name & Co-PI (if any)	Project cost	Whether Ongoing or completed
1.	A novel power-on pilot le for ultra-low power wireless IoT devices	25.07.2023 Three Years	MeitY – Rs. 17.14 Lakhs End User – Rs. 1.50 Lakhs	Dr. Baljit Kaur (CI) Dr. D. Vaithi-yanathan (Co-CI)	Rs. 18.64 Lakhs	Ongoing
2.	Investigation of Group IV Semiconductor Alloy (Ge/Ge1-x Snx)/ Graphene based De-tector Devices for Bio Medical and Defense Applications	June 30, 2021 Three (3) Years	DST – SERB under Core Re-search Grant (CRG) Scheme, Govt of India. [Project ref. No.: CRG/2020/002966 dated June 30, 2021]	Dr. Rikmantra Basu (PI)	Rs. 23, 10, 332/.	Completed
3.	History of Semiconduc-tor Research in India History of Semiconduc-tor Research in India	June 21, 2023 One (01) Year	Indian National science Academy (INSA), Govt. of India [Project ref. No.: HS/ RC dated 26.06.2023]	Prof. Prasanta K Basu (PI) Dr. Rikmantra Basu (Co-PI)	Rs. 4, 20, 000/	Completed

3. Newly Developed Labs in the Department

Advanced VLSI Lab and PG lab

4. New procurement has been done by the department in order to develop lab and students-

S.No	Item Description
1	FM Modulation and Demodulation Experimental Panel
2	Communication Syatem Trainer
3	Data Formatting/Re-formatting Experimental Panel
4	Sngle (1) Channel Sampling & Reconstruction, 4 channel TDM/PAM & PPM, PWM, PFM Experimental Panel

5. Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Organized in 2023-2024

S. No	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Coordinator/ Convener/ Chairman
1.	Short-Term Course	Modern VLSI Design and EDA Tools Hands-on	Department of ECE, NIT Delhi	November 02-08, 2023	Convener: Prof. Manoj Kumar & Dr. Preeti Verma Coordinators: Dr. Manisha Bharti & Dr. D. Vaithiyanathan
2.	Short-term Courses	Beyond 5G and IOT	Department of ECE, NIT Delhi	January 29 - February 03, 2024	Prof. Manoj Kumar, Prof. Jyoteesh Malhotra, Dr. Nitin Singh Singha and Dr. Mahesh K Singh
3.	Short-term Courses	IOT with hands on experience	Department of ECE, NIT Delhi	June 03 - 08, 2024	Dr. Mahesh K Singh

4.	Faculty Development Programme (FDP)/STC	Recent Trends in Computer Vision, Artificial Intelligence (AI) &; Robotics (RTCVAIR-2023)	Department of ECE, NIT Delhi	March 20-25, 2023	Dr. Dharmendra Kumar Jhariya & Dr. Mahesh Kumar Singh
5.	Lecture	Image Processing and Computer vision	Department of ECE, NIT Delhi	October 17, 2023	Prof. Manoj Kumar
6.	Lecture	Introduction and Research applications of Remote Sensing.	Department of ECE, NIT Delhi	October 19, 2023	Prof. Manoj Kumar
7.	Short-term Courses	Nascent Technologies in Signal Processing, Communication and VLSI (NTSP-CV-2023)	Department of ECE, NIT Delhi	April 24-29, 2023	Dr. Manisha Bharti & Dr. Sandeep Kumar
8.	Expert Lecture	"Power of Failure" for UG/PG students by Maj Gen N K Dhir (CEO & Director Alphabet Teletec Private Limited)	Department of ECE, NIT Delhi	September 20, 2023	Prof. Manoj Kumar & Dr. Manisha Bharti
9.	Expert Lecture	Introduction & Application of Remote Sennsing" for UG/PG students by Dr. Sugandha Chauhan, Professor, Lelystad, Netherlands	Department of ECE, NIT Delhi	October 19, 2023	Prof. Manoj Kumar, Prof Jyoteesh Malhotra & Dr. Manisha Bharti
10.	Expert Lecture	Motivational Talk Mr. Sanjay Diwan in Orientation Program for UG at NIT Delhi	Department of ECE, NIT Delhi	August 26, 2023	Prof. Manoj Kumar & Dr. Manisha Bharti
11.	Expert Talk	Prof. A K Saini in Orientation Program for UG at NIT Delhi	Department of ECE, NIT Delhi	August 26, 2023	Prof. Manoj Kumar & Dr. Manisha Bharti
12.	Short-term Courses	IOT with hands on experience	Department of ECE, NIT Delhi	June 03 - 08, 2024	Dr Nitin singh Singha
13.	Internship	Familiarization with IOT	Department of ECE, NIT Delhi	June 03 – August 03, 2024	Dr Nitin singh Singha
14.	Workshop	One-day joint collaborative workshop between NIT Delhi and CSIR-National Physical Laboratory (NPL), New Delhi	Department of ECE, NIT Delhi with NPL, New Delhi	August 17, 2023	Patron: Prof. Manoj Kumar Convener: Dr. Rikmantra Basu and Dr. Manisha Bharti

15.	Workshop	One-day Scientific Collaborative Workshop between CSIR-National Physical Laboratory (NPL), New Delhi and National Institute of Technology (NIT) Delhi	NPL, New Delhi with Department of ECE, NIT Delhi	January 18, 2024	Dr. Rikmantra Basu and Dr. Manisha Bharti
16.	Workshop	One-Week 2nd IEEE International Workshop on Silicon Photonics, organized by the ECE Department of NIT Delhi from February 05-10, 2024, in blended mode	Department of ECE, NIT Delhi with IEEE Photonics Society- Delhi Section (Rajasthan Chapter), IEEE Circuits and Systems Society Delhi Chapter and IEEE NIT Delhi Student Branch	Februaty 05-10, 2024	Dr. Rikmantra Basu
17.	Hands-on-Training Session	One-day Hands-on-Training workshop on COMSOL Multiphysics	Department of ECE, NIT Delhi with IEEE NIT Delhi Student Branch	March 20, 2024	Dr. Rikmantra Basu
18.	Winter School	Concepts in solar physics	NIT Delhi & ARIES Nanaital	19-23 December 2023	Dr. Preeti verma

6. Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Attended in 2023-2024

S. No.	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Faculty Attended by
1.	Short-term Courses	Memory and In-Memory Computing Using SCL 180mm PDK	IIT Indore	March 18-22, 2024	Dr.D. Vaithiyanathan
2.	Workshop	IEP on ASIC Digital Design using 180nm PDK	CDAC Bengaluru	February 12-16, 2024	Dr.D. Vaithiyanathan
3.	Workshop	IEEE International Workshop on Electronics, Photonics, and IC at the 75 th Anniversary of Transistor	ECE Department, NIT Delhi	February 20 – 25, 2023	Dr. Dharmendra Kumar Jhariya
4.	Workshop	Indo-US VAJRA Course on "Fundamental of Electromagnetics" EMF 2023	NIT Silchar	June 12-16, 2023	Dr. Dharmendra Kumar Jhariya
5.	Conference	International Conference on Power Engineering and Intelligent Systems (PEIS2023)	NIT Delhi	June 24-25, 2023.	Dr. Dharmendra Kumar Jhariya
6.	Conference	IEEE IAS GlobCon Series Conferences (2023)	Hybrid Mode US & Canada, IEEE Section	May 19-21, 2023	Dr. Dharmendra Kumar Jhariya
7.	Short-term Course	Artificial Intelligence Techniques for Healthcare Applications (AITHA-2023)	EE Department, NIT Delhi	February 22-27, 2023	Dr. Dharmendra Kumar Jhariya

8.	FDP/STC (Short Term Training Program)	Hands-on Session on Digital Design flow in FPGA and RTL to GDSII, 2024	ECE Department, NIT Delhi	September 9 - 14 2024	Dr. Dharmendra Kumar Jhariya
9.	Short-term Courses	AI based Signal and Image Processing	Department of Electronics and Communication Engineering, Dr. B R Ambedkar National Institute of Technology, Jalandhar.	May 29- June 2, 2023	Dr. Manisha Bharti
10.	Short-term Courses	Modern VLSI Design and EDA Tools Hands-on	Department of ECE, NIT Delhi	November 2-8, 2023	Dr. Manisha Bharti
11.	MAPCON 2023	IEEE International Conference MAPCON 2023 Ahemdabad	IEEE	December 10-14, 2023	Dr. Sachin Agrawal
12.	Short Term Course	AI based signal and image processing	ECE Department, NIT Jalandhar	May 29-June 02, 2023	Dr. Sachin Agrawal
13.	Workshop	Indo US VAJRA Course on "Fundamental of Electromagnetics" EMF 2023	ECE Department, NIT Silchar	December 12-17, 2023	Dr. Sachin Agrawal
14.	Workshop	Nascent Technologies in signal processing, communication (NTSPCV)	ECE Department, NIT Delhi	April 24-29, 2023	Dr. Sachin Agrawal
15.	Short-term Courses	AI based Signal and Image Processing	Department of ECE, Dr. B R Ambedkar National Institute of Technology, Jalandhar.	May 29- June 2, 2023	Dr. Sandeep Kumar
16.	Short-term Courses	Modern VLSI Design and EDA Tools Hands-on	Department of ECE, NIT Delhi	November 2-8, 2023	Dr. Sandeep Kumar
17.	STC	Modern VLSI Design and EDA Tools Hands-on	Department of ECE	2-8 November 2023	Dr. Preeti verma

7. Expert Lecture Delivered by Departmental Faculty in 2023-2024:

S. No.	Title of the Expert Talk	Name of the Event	Organized By	Duration	Faculty Delivered Expert Talk
1.	Embedded Architecture for Improving Agricultural Productivity Using Soft Computing Techniques	SERB sponsored five days seminar on AI in Precision Agriculture: Transforming Farming for a Sustainable Future.	Sri Krishna College of Technology, Coimbatore, Tamil Nadu, India	March 06, 2024	Dr.D.Vaithiyanathan
2.	Into the Jungle-Walkthrough on Recent Trends in VLSI	Expert Lecture	Mohamed Sathak Engineering College, Ramanathapuram, Tamil Nadu, India	February 23, 2024	Dr.D.Vaithiyanathan

3.	Multi-Input Multi-Output Embedded Architecture for Improving the Agricultural Productivity Using Soft Computing Techniques	SERB sponsored five days seminar on Recent Trends in Smart Agriculture using Machine Learning Techniques	Sri Krishna College of Technology, Coimbatore, Tamil Nadu, India	February 20, 2024	Dr.D.Vaithiyanathan
4.	AI for Embedded Systems	Faculty Development Training Programme on, CS3491-Artificial Intelligence and Machine Learning	Madras Institute of Technology Campus, Anna University, Chennai, India	February 10, 2024	Dr.D.Vaithiyanathan
5.	Recent Trends in VLSI Design	All India Council for Technical Education (AICTE) Training and Learning (ATAL) Academy Sponsored FDP on Semiconductor device design from RTL to GDS II	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, India	December 22, 2023	Dr.D.Vaithiyanathan
6.	SoC Design	Expert Lecture	SR University, Hanumakonda, Telangana, India	December 11, 2023	Dr.D.Vaithiyanathan
7.	SoC Design	Short-Term Course on National Level Seminar on VLSI Design –Trends and Practices	Centre for Nanoelectronics & VLSI Design, VIT Chennai	June 27, 2023	Dr.D.Vaithiyanathan
8.	Ultrawideband Technology with Analysis and Design of Microwave Bandpass Filters	FDP on “Challenges and Research Opportunities in Wireless Communication”	Vellore Institute of Technology, Vellore, India	May 8-12, 2023	Dr Dharmendra Kumar Jhariya
9.	Low-Power VLSI and Design Techniques	Short-Term Course on CMOS/ FPGA Implementation of Analog and Digital Systems,	NSUT Delhi	July 8 -12, 2024	Prof Manoj Kumar
10.	Importance of Low-Power VLSI and Design techniques	High-End Workshop on VLSI Design	IIIT Una	March 16-22, 2024	Prof Manoj Kumar
11.	Microelectronics and The Importance of Low Power Design	Six-days AICTE-sponsored ATAL Faculty Development Programme (FDP) on Recent Trends in VLSI and Communication Engineering.	Ganga Institute of Technology and Management, Kablana	January 8-13, 2024	Prof Manoj Kumar
12.	Low-Power CMOS VLSI and Design Techniques	one-week Faculty Development Program on “Advancement and Challenges in VLSI Design and Nanoscale Devices	organized by the Department of Electronics and Communication Engineering, Delhi Technological University, Delhi	May 27-31, 2024	Prof Manoj Kumar
13	Wireless Communication: Advancements & Challenges	ATAL Faculty Development Program on Recent Trends and Future Prospects in Electronics for Industry 4.0	Meerut Institute of Engineering & Technology, Meerut	October 13, 2023	Dr. Manisha Bharti
14.	Emerging Future Technologies: Next Generation Wireless Networks	Faculty Development Program on Next Generation Wireless Networks	Delhi Technological University (DTU) Delhi	December 14, 2023	Dr. Manisha Bharti

15.	Metamaterial Enabled RF Energy Harvesting Circuits	One-week high-end workshop (Karyashala) on "Metamaterial/Metasurface enabled RF and Microwave Circuits for 5G/6G Technologies and beyond, 2023	PDPM-IIITDM Jabalpur	July 10-16, 2023	Dr. Sachin Agrawal
16.	Digital VLSI Design	Seminar	SRM University, Sonipat	7 May 2024	Dr. Preeti Verma
17.	Digital VLSI Design: Challenges & Recent Trends	National Conference	SLIET Longowal	16 March 2024	Dr. Preeti Verma
18.	Machine Learning for Disruptive Next G Wireless Networks Opportunities & Challenges	Faculty Development Program on "Bridging Academia & Industry: Modern Practices in CS Education"	Amity School of Engineering and Technology	June 24-28, 2024	Prof. Jyoteesh Malhotra
19.	Ubiquitous Wireless Access -Driving Digital Transformation	Two Week Winter School	UGC Madan Mohan Malviya Teachers Training Cente, Guru Nanak Dev University Amritsar	February 13-26, 2024	Prof. Jyoteesh Malhotra
20.	National Credit Framework	Five Days Online Lecture Series on Teaching-Learning and Evaluation Pedagogies	Center for Teaching and Learning (CTL), Vishwakarma University, Pune	February 02, 2024	Prof. Jyoteesh Malhotra

8. Journal Publications by the Departmental Faculty in 2023-2024:

S.No	Name of the Authors	Title of the paper	Name of the Journal	Volume	Page number	Month and Year of Publication
1.	J. Britto Pari, K. Mariammal, D. Vaithiyanathan	A Reconfigurable High-Speed and Low Complexity Residue Number System based Multiply-Accumulate Channel Filter for Software Radio Receivers	World Journal of Engineering	21	16-30	January 2024
2.	Bharathi Raj Muthu, Dhandapani Vaithiyanathan, Anuj K. Sharma	Simulation and Analysis of Plasmonic Photodetector Based on Au Nanoparticles and HfO2 interlayer with Improved Performance in Visible Spectral Region	IEEE Sensors Journal	23	28769 – 28776	December 2023
3.	Bharathi Raj Muthu, Dhandapani Vaithiyanathan, Anuj K. Sharma	Au Nanoparticles and Reduced Graphene Oxide Based Plasmonic Photodetector with Enhanced Performance in Visible Spectral Region	Solid State Communications	375	1 – 5	December 2023

4.	Alok Kumar Mishra, Shail Anand, Nishant Singh, D.Vaithiyanathan, Baljit Kaur	Architectural analysis of 1-D to 2-D Array Conversion of Priority Encoder	International Journal of System Assurance Engineering and Management	14	1726–1737	October 2023
5.	Ashima, D. Vaithiyanathan, Balwinder Raj	Design and Performance Assessment of Graded Channel Gate-All-Around Silicon Nanowire FET for Biosensing Applications	Silicon	15	3535–3542	June 2023
6.	Vaithiyanathan Dhandapani, Alok Kumar Mishra, Richa Thakur, Urvashi Chopra, Britto Pari J	Performance Analysis of Pulse Triggered Flip-Flop	EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy	10	1010 - 1016	June 2023
7.	Manigandan Muniraj, Vaithiyanathan Dhandapani	Underwater image enhancement by modified color correction and adaptive Look-Up-Table with edge-preserving filter	Signal Processing: Image Communication	113	1-24	April 2023
8.	G. S. Sahoo, M. Verma, S. Routray and G. P. Mishra	Unveiling the Effect of CZTSSe Quantum Superlattice on the Interfacial and Optical Properties of CZTS Kesterite Solar Cell	IEEE Transactions on Nanotechnology	23	286-292	March 2024
9.	Omendra Kr Singh, Vaithiyanathan Dhandapani & Baljit Kaur	Investigation of the Electrical Parameters in a Partially Extended Ge-Source Double-Gate Tunnel Field-Effect Transistor (DG-TFET)	Journal of Electronic Materials	Volume 53	Pages 2999--3012	March 2024
10.	Bheemudu V., Vaithiyanathan D., Kaur B.	Design insights into a junctionless nanosheet FET (JL-NSFET) for switching and Analog/RF applications: Device to circuit level assessment	Microelectronics Journal	Volume 149		2024
11.	Mishra A.K., Chopra U., D V., Kaur B.	A low power high-speed single-phase clock level restoring 16T master-slave flip-flop	Circuit World	Volume 50	Pages 267-274	2024
12.	Singha, Nitin, and Mahesh K. Singh	Maximizing utility by optimal capacity division in P2P networks	Cluster Computing	27	1-10	April 26, 2023
13.	Amit Kumar & Dharmendra Kumar Jhariya	Reconfigurable Microwave Filters for 5G Applications [https://doi.org/10.1007/s12647-023-00670-w]	MAPAN	38	1075–1084 (2023).	July 11, 2023

14.	J. Britto Pari, K. Mariammal, D. Vaithiyanathan	A Reconfigurable High-Speed and Low Complexity Residue Number System based Multiply-Accumulate Channel Filter for Software Radio Receivers	World Journal of Engineering	21	16-30	January 2024
15.	Bharathi Raj Muthu, Dhandapani Vaithiyanathan, Anuj K. Sharma	Simulation and Analysis of Plasmonic Photodetector Based on Au Nanoparticles and HfO2 interlayer with Improved Performance in Visible Spectral Region	IEEE Sensors Journal	23	28769 – 28776	December 2023
16.	Bharathi Raj Muthu, Dhandapani Vaithiyanathan, Anuj K. Sharma	Au Nanoparticles and Reduced Graphene Oxide Based Plasmonic Photodetector with Enhanced Performance in Visible Spectral Region	Solid State Communications	375	1 – 5	December 2023
17.	Isha, Manoj Kumar	Design and Analysis of a Low Phase Noise, Wide Tunable CMOS based Low Power VCO with Active Inductor	Analog Integrated Circuits and Signal Processing. Springer,	Volume 119,	pages 319–329,	2024
18.	Nitin Kumar, Vikram singh, Manoj Kumar,	"Design of a Low Power LNA Circuit with Noise Canceling Approach in 90 nm CMOS Process	Integration, Elsevier	vol. 96,	pp. 102163	2024
19.	Shweta Dabas, Manoj Kumar,	"A low power varactor based digitally controlled oscillator design in 180 nm CMOS technology," Springer	SN Applied Sciences,	vol. 5,	295	2023
20.	Manoj Kumar, Dilleep Dwivedi Nitin Kumar Vikram Singh Vivek Jangra,	"Voltage Controlled Oscillator with Active Inductive and Capacitive Tuning,	International, Journal of Information Technology, Springer	volume 16,	pages 1015–1022,	2024
21.	Manoj Kumar	Design of Low Power CMOS VCO with Three Transistors NAND gate and MOS varactor, https://doi.org/10.1007/s40031-023-00898-9 Aug 2023	Journal of The Institution of Engineers (India): Series B, Springer,	vol. 04	pp. 851–858,	2023
22.	GUPTA, P., BHARTI, M., & KUMAR, A.	COMPACT TWO-PORT ANTENNA WITH PARASITIC NOTCH AND DEFECTive GROUND FOR WIRELESS COMMUNICATION.	REVUE ROUMAINE DES SCIENCES TECHNIQUES—SÉRIE ÉLECTROTECHNIQUE ET ÉNERGÉTIQUE	68	401-406	2023
23.	Sakshi, & Bharti, M.	Penta-band Planar Monopole Circular Antenna Design Using Inverted L-Shaped Slot for UWB Application.	Journal of Electronic Materials	52	8281-2	2023

24.	Bharti, M.	Novel technique to cancel MAI for OCDMA system.	Journal of Optical Communications	-	1-8	2023
25.	Gupta, P., Bharti, M. & Kumar A	Two-Element UWB Antenna with Multiple Open Slots in Fountain-Shaped Ground for Wearable and Biomedical Applications.	MAPAN	38	203-15	2023
26.	Singha, Nitin, and Mahesh K. Singh	Maximizing utility by optimal capacity division in P2P networks	Cluster Computing	27	1-10	April 26, 2023
27.	Sachin Agrawal, and Manoj Singh Parihar	Design and Development of Patch Loaded Slot Antenna for Super Wide band Communication System and MIMO Application	Wireless Personal Communications, Springer	130		April 2023
28.	Sachin Agrawal, and Manoj Singh Parihar	Design and Investigation of Super Wideband Antenna with Dual-Band Notch Characteristics For MIMO Application	IETE Technical Review			2023
29.	Madhulika Verma, Sachin Agrawal, Mohit Meena, Sujal	Vertically Stacked Stepped Oxide Split-Pocket VTFET as a label free biosensor	IETE Technical Review			2023
30.	Bhaskar Awadhiya, Sameer Yadav, Yashwanth Nanjappa, Abhishek Pahuja, Shivendra Yadav, Sachin Agrawal	Passive Voltage Amplification in FE-FE-DE Heterostructure	IEEE Access			2024
31.	Abhishek pahuja, Sachin Agrawal, Sandeep Kumar, Manoj Singh Parihar, Dinesh V	Smart city compatible thin film solar cell based on extraordinary transmission and metallic patch nanoantenna	Optical Material X			January 2024
32.	Upendra Kumar Acharya, Mohammad Taha Ali, Mohd Kaif Ahmed, Mohd Tabish Siddiqui, Harsh Gupta, Sandeep Kumar, Ajey Shakti Mishra	Hybrid deep neural network for automatic detection of COVID-19 using chest x-ray images	International Journal of Imaging Systems and Technology (wiley)	33	1129-1143	July 2023
33.	Rajesh Yadav, Shailza Gotra, VS Pandey, Sandeep Kumar	Graphene based two-port MIMO yagi-uda antenna for THz applications	Micro and Nanostructures (Elsevier)	181	207616	September 2023

34.	Prabhakar Agarwal, Sandeep Kumar	EEG-based imagined words classification using Hilbert transform and deep networks	Multimedia Tools and Applications (Springer)	83	2725-2748	January 2024
35.	Upendra Kumar Acharya, Sandeep Kumar	Directed searching optimized texture based adaptive gamma correction (DSOTAGC) technique for medical image enhancement	Multimedia Tools and Applications (Springer)	83	6943-6962	January 2024
36.	Rajesh Yadav, V. S. Pandey, Preeti Verma	Nano-Scaled Graphene Plasmonic-Based Vanadium Dioxide Yagi-Uda Array MIMO Antenna for Terahertz Applications	Plasmonics	2024	-	Feburary 2024
37.	Bhanu Priya and Jyoteesh Malhotra	Intelligent Multi-connectivity Based Energy-Efficient Framework for Smart City	Journal of Network and Systems Management, ISSN: 1064-7570 (Q1)	Vol. 31	48	May 31, 2023
38.	A Sharma, Jyoteesh Malhotra, et al	Highly efficient frequency modulated continuous wave based photonic radar by incorporating an electronic equalization scheme	Optical and Quantum Electronics (ISSN: 0306-8919) (Q2)	Vol. 55	no.9, 797	June 30, 2023
39.	Bhanu Priya and Jyoteesh Malhotra	5GhNet: an intelligent QoE aware RAT selection framework for 5G-enabled healthcare network	Journal of Ambient Intelligence and Humanized Computing (ISSN: 1868-5145) (Q1)	Vol. 14, no.7	8387–8408	July 2023
40.	A. Sharma and Jyoteesh Malhotra	Evaluating the effects of material reflectivity and atmospheric attenuation on photonic radar performance in free space optical channels	Journal of Optical Communications, Walter de Gruyter GmbH, Berlin/ Boston, (Q3)	online	in press	July 31, 2023
41.	A. Sharma, Kuldeep Singh, and Jyoteesh Malhotra	High speed 60 Gbps RGB laser based-FSOC link by incorporating hybrid PDM-MIMO scheme for indoor applications"	Journal of Optical Communications, Walter de Gruyter GmbH, Berlin/ Boston (Q3)	online	in press	November 01, 2023
42.	Singh, K. And Jyoteesh Malhotra	IoT and cloud computing based automatic epileptic seizure detection using HOS features based random forest classification	Journal of Ambient Intelligence and Humanized Computing, Springer (ISSN: 1868-5145) (Q1)	Vol 14, 11	pp. 15497-15512	November 2023

43.	A. Sharma, V. Mishra, Kuldeep Singh and Jyoteesh Malhotra	Hybrid RoF-RoFSO system for broadband services by incorporating polarization division multiplexing scheme"	Journal of Optical Communications, Walter de Gruyter GmbH, Berlin/ Boston, ISSN 2191-6322, [online, in Press] (Q3)	online	In press	December 05, 2023
44.	Bhanu Priya and Jyoteesh Malhotra	iRSL: Intelligent RAT selection framework for beyond 5G networks	Multimedia Tools and Applications, Springer International Publishing, (ISSN: 1573-7721)	Vol 83, 10	28479-28504	March 2024
45.	Bhanu Priya and Jyoteesh Malhotra, Kuldeep singh	aBRSL: AI based bilateral RAT selection framework for next-generation wireless networks	Multimedia Tools and Applications, Springer International Publishing, (ISSN: 1573-7721)			March 2024
46.	Mohan Kumar Paswan and Rikmantra Basu	Hybrid Structure–Based SPR Sensor for Chemical Sensing with Enhanced Sensitivity	Plasmonics, Springer [[DOI: 10.1007/s11468-023-02020-7].]	Published Online	1-12	September 06, 2023
47.	Jaspinder Kaur, Surender Kumar, Rikmantra Basu and Ajay K Sharma,	Modelling and Simulation of Planar Heterojunction Perovskite Solar Cell featuring CH3NH3PbI3, CH3NH3SnI3, CH3NH3GeI3 Absorber Layers	Silicon Journal, Springer [DOI: 10.1007/s12633-023-02761-4],	Published Online		November 22, 2023
48.	Jaspinder Kaur, Ajay Kumar Sharma, Rikmantra Basu and Harjeevan Singh,	Simulation of Planar Heterojunction CH3NH3PbI3 Solar Cell Employing SiGeSn Alloy as a Backplane	Silicon Journal, Springer, 2023 [DOI: 10.1007/s12633-023-02753-4],	Published Online		November 22, 2023

9. Conference Papers Presented by the Departmental Faculty in 2023-2024:

S.No	Name of the Authors	Title of the paper	Name of the Conference	Place and Country where the Conference Held	Organizer of the Conference	Date of Presentation
1.	J. Kruthika, Sonalika Singh, D.Vaithiyanathan, Preeti Verma, V. Jeyalakshmi	Examining and Evaluating Voltage Level Shifter Circuit Performance Experimentally at Various Technology Nodes	2nd International Conference on Advanced Technology in Engineering & Management (ICAATEM 2024)	Dubai & Abu Dhabi	Saveetha Engineering College and De Montfort University Dubai	March 21, 2024
2.	Jeyalakshmi. V, Arjun Chakkrapani, Preethaa Jansirani, Kripa. S, Vaithiyanathan. D	Obstacle Avoidance: Leveraging Transfer Learning and FPGA for Acceleration	2nd International Conference on Advanced Technology in Engineering & Management (ICAATEM 2024)	Dubai & Abu Dhabi	Saveetha Engineering College and De Montfort University Dubai	March 21, 2024

3.	Sonalika Singh, Dhandapani Vaithiyanathan, Preeti Verma	A Comparative Analysis of Robust Level Shifters for High-Speed and Ultra-Low Power Applications	IEEE International Conference on Distributed Computing and Optimization Techniques (ICDCOT-2024)	Bengaluru, Karnataka, India,	SJB Institute of Technology	March 16, 2024
4.	Ryan Ebenezer S, Kunaraj Kumarasamy, Dhandapani Vaithiyanathan	FPGA Architecture for High-Speed TCAMBased Packet Parsing	Fourth International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024)	Bhilai, Chhattisgarh, India	Shri Shankaracharya Technical Campus (SSTC)	January 11, 2024
5.	Ashish Verma, Preeti Verma, Dhandapani Vaithiyanathan	Simulation and Extraction of Dual-Gate TFET With Ferroelectric Material to Preserve Data	Fourth International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024)	Bhilai, Chhattisgarh, India	Shri Shankaracharya Technical Campus (SSTC)	January 11, 2024
6.	Priyanshu Agrawal, Vandana Devi Wangkheirakpam, Dhandapani Vaithiyanathan	Hetero-Stacked Source Tunnel FET-Driven Biosensing Application with Enhanced Sensitivity	Fourth International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024)	Bhilai, Chhattisgarh, India	Shri Shankaracharya Technical Campus (SSTC)	January 11, 2024
7.	Utsav Kumar, Pratik Parihar, Dhandapani Vaithiyanathan, Muniraj Manigandan	Real-Time 3D Bounding Box Estimation with RCNN-Resnet101 and Adaptive Projection Matrices	Fourth International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024)	Bhilai, Chhattisgarh, India	Shri Shankaracharya Technical Campus (SSTC)	January 11, 2024
8.	Dhandapani Vaithiyanathan, Britto Pari James, Karuthapandian Mariammal	A High-Speed Computational Pipeline Single MAC-Based VLSI Architecture for Real-Time Signal and Image Processing	Fourth International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024)	Bhilai, Chhattisgarh, India	Shri Shankaracharya Technical Campus (SSTC)	January 11, 2024
9.	Dhandapani Vaithiyanathan, Karuthapandian Mariammal, Britto Pari James	Performance Analysis of Multirate Filter Structures for Signal Processing Applications	IEEE 2023 Smart Generation Technologies in Computing, Networking & Communication (SMART GENCON)	Bengaluru, Karnataka, India	Ghousia College of Engineering	December 29, 2023
10.	Katta Saiteja, Dhandapani Vaithiyanathan, Preeti Verma, Baljit Kaur	Review Of Dual-Edge Triggered Low-Powered D Flip-Flops	IEEE 2023 Smart Generation Technologies in Computing, Networking & Communication (SMART GENCON)	Bengaluru, Karnataka, India	Ghousia College of Engineering	December 29, 2023
11.	Anurag Singh, Dhandapani Vaithiyanathan, Preeti Verma, Baljit Kaur	Examining and Evaluating Comparator Circuit Performance Experimentally at Various Technology Nodes	IEEE 2023 Smart Generation Technologies in Computing, Networking & Communication (SMART GENCON)	Bengaluru, Karnataka, India	Ghousia College of Engineering	December 29, 2023

12.	Kaushambi, Preeti Verma, Dhandapani Vaithiyanathan	Unleashing Power Efficiency: A Study Comparing Pulsed Latches and Flip-Flops for Low-Power Applications	IEEE 2023 Smart Generation Technologies in Computing, Networking & Communication (SMART GENCON)	Bengaluru, Karnataka, India	Ghousia College of Engineering	December 29, 2023
13.	Bheemudu Vadthya, Dhandapani Vaithiyanathan, Baljit Kaur	A Reliability Assessment of Junctionless (JL) Nanosheet (NS) FET under Heavy Ion Irradiation Conditions	20th IEEE India Council International Conference (INDICON2023)	Warangal, India,	IEEE Hyderabad Section at the National Institute of Technolog, Warangal,	December 15, 2023
14.	Senthilkumar K K, Avantika E, Gayathri B, Dhandapani Vaithiyanathan	VLSI Implementation of Reconfigurable Canny Edge Detection Algorithm	11th International National Conference on Big-data-analytics in Astronomy, Science and Engineering	Japan & India	University of Aizu, Japan, National Institute of Technology Delhi and IIT Delhi	December 06, 2023
15.	Z. Aizaz, K. Khare, M. A. Khan, M. K. Singh and D. Vaithiyanathan	A1RL: Approximate 1-Row-LUT-Based Low-Power Signed Multipliers for DSP and Machine Learning Applications on FPGAs	2023 IEEE Asia Pacific Conference on Circuits and Systems (APCCAS)	Hyderabad, India	T-Hub, Hyderabad	November 20, 2023
16.	Ashima, Dhandapani Vaithiyanathan, Balwinder Raj	Linearity Analysis of Charge Plasma-Induced Graded Channel Nanotube at Varying Temperatures	International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2023),	Erode, Tamil Nadu, India	M. P. Nachimuthu M. Jaganathan Engineering College	October 19, 2023
17.	Dhandapani Vaithiyanathan, Kaushal Verma, Preeti Verma, Baljit Kaur	Safety Watch based on the Internet of Things	International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2023),	Erode, Tamil Nadu, India	M. P. Nachimuthu M. Jaganathan Engineering College	October 19, 2023
18.	S. Sharmila, R. S. Bhuvaneswaran, Kailash Natarajan, A. Prathiba, D.Vaithiyanathan	Hardware Implementation of Block Ciphers – A Case Study on Encrypted Image Transfer Over Universal Asynchronous Receiver Transmitter	International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2023),	Erode, Tamil Nadu, India	M. P. Nachimuthu M. Jaganathan Engineering College	October 19, 2023
19.	Harshvardhan Choudhary, D. Vaithiyanathan, Girija Moona, Harish Kumar	An Investigation of Various Methods for Evaluating the Measurement Uncertainty	3rd International Conference on Innovative Sustainable Computational Technologies (CISCT-2023)	Dehradun, India	Graphic Era (Deemed to be University)	September 08, 2023
20.	Rutuja Mhaiskar, Vaithiyanathan Dhandapani, Preeti Verma, Baljit Kaur	Performance Analysis of Human Activity	2023 First International Conference on Data Science and Advanced Computing (ICDSAC 2023)	Coimbatore, Tamil Nadu, India	KPR Institute of Engineering and Technology	June 23, 2023

21.	Dhandapani Vaithiyanathan, Britto Pari James, Karuthapandian Mariammal	Comparative Study of Single MAC FIR Filter Architectures with Different Multiplication Techniques	2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	Tiruchirappalli, Tamil Nadu, India	K. Ramakrishnan College of Engineering	April 05, 2023
22.	Dhandapani Vaithiyanathan, Muniraj Manigandan	Real-time-based Object Recognition using SIFT algorithm	2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	Tiruchirappalli, Tamil Nadu, India	K. Ramakrishnan College of Engineering	April 05, 2023
23.	Katta Saiteja, Dhandapani Vaithiyanathan, Preeti Verma, Baljit Kaur	Review of Dual-Edge Triggered Low-Power D Flip-Flops	2023 3rd International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON)	INDIA	IEEE	December 29, 2023
24.	Vaithiyanathan Dhandapani, Ashish Mishra, Rajat Mishra, Alok Kumar Mishra, Preeti Verma, Baljit Kaur	A modified dynamic comparator for lowering peak kink in differential amplifier and latch	AIP Conference Proceedings	INDIA	AIP Publishing	December 15, 2023
25.	Vadthya Bheemudu, Dhandapani Vaithiyanathan, Baljit Kaur	A Reliability Assessment of Junctionless (JL) Nanosheet (NS) FET under Heavy Ion Irradiation Conditions	2023 IEEE 20th India Council International Conference (INDICON)	INDIA	IEEE	December 14, 2023
26.	Dhandapani Vaithiyanathan, Kaushal Verma, Preeti Verma, Baljit Kaur	Safety Watch Based on the Internet of Things	2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)	INDIA	IEEE	October 18, 2023
27.	Mahesh K. Singh, Dharmendra K. Jhariya, Raghvendra Singh and Abhishek Upadhyay	Performance Comparison of FPGA based Linear SVMS Classifier and Computer Simulation	Second International Conference on the Paradigm shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS 2023)	Visvesvaraya National Institute of Technology, Nagpur, India	Visvesvaraya National Institute of Technology, Nagpur, India	April 05-06, 2023
28.	M. K. Singh and G. Mishra	Enhanced Model for Low Leakage and Security Oriented 8T SRAM Cell	2023 International Conference on Communication, Circuits, and Systems (IC3S)	Bhubaneswar	Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha, India	May 26-28, 2023
29.	Surya P. Rathore, D.K. Jhariya and M.K. SINGH	Design and Performance Analysis of 18T Low Power and High Speed 1-bit Hybrid Full Adder	4th 2023 International Conference on Communication, Circuits, and Systems (IC3S)	Bhubaneswar	Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha, India	May 26-28, 2023

30.	M. A. Khan, M. K. Singh and A. Upadhyay	A High-Speed Sense Amplifier Based Flip Flop with a Single Ended Latch Design and Low Voltage Operating Capabilities	2023 3rd International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON)	Bangalore	Ghousia College of Engineering is an engineering college Ramanagaram, managed by Ghousia Industrial and Engineering Trust, Bangalore	December 29-31, 2023
31.	Zainab Aizaz, Kavita Khare, Mohd. Anas Khan, Mahesh Kumar Singh, Dhandapani Vaithiyanathan	A1RL: Approximate 1-row-LUT-based Low-power signed Multipliers for DSP and Machine learning applications on FPGAs	IEEE Asia Pacific Conference On Circuits And Systems (APCCAS 2023)	Hyderabad	IEEE CASS Hyderabad Chapter	November 19-22, 2023
32.	H. K. Varshney, S. Agrawal and D. K. Jhariya	Design a UWB Antenna with Band Notch Characteristics for MIMO Applications [doi: 10.1109/ICSC60394.2023.10441221.]	2023 9th International Conference on Signal Processing and Communication (ICSC), NOIDA, India, pp. 78-83, 2023.	India	Jaypee Institute of Information Technology Noida, India, 2023.	December 21, 2023.
33.	V. Kumar, M. Arya, A. Kumar and D. K. Jhariya	Design and Comparison Between IIR Butterworth and ChebyshevDigital Filters using MATLAB [doi: 10.1109/ICAECT60202.2024 10469026.]	2024 Fourth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), Bhilai, India, pp. 1-7, 2024.	India	Bhilai, India, 2024.	January 11, 2024.
34.	Sagar K Sahoo, Shilpi Kumari, P K Gautam and D. K. Jhariya,	Real-Time Sign Language Detection and Recognition	5th International Conference on Recent Innovations in Science & Technology (RIST 2023) - 07 & 08 April 2023 organised by Holy Grace Academy of Engineering situated at Mala, Thrissur, Kerala, India.	India.	Holy Grace Academy of Engineering situated at Mala, Thrissur, Kerala, India	April 07, 2023
35.	S. Rathore, D. K. Jhariya and M. Kumar Singh	Design and Performance Analysis of 18T Low Power 1-bit Hybrid Full Adder [doi: 10.1109/IC3S57698.2023.10169368.]	2023 International Conference on Communication, Circuits, and Systems (IC3S), pp. 1-6, Bhubaneshwar, India	India	KIIT Bhubaneshwar, India	May 26, 2023
36.	P. K. Gautam, Dharmendra Kumar Jhariya	Design of a 4-port MIMO antenna for C, X, and Ku band applications [(LNNS, volume 959). 978-981-97-1943-3, ISSN 2367-3370.]	3rd International Conference on Computational Electronics for Wireless Communications (ICCWC 2023), volume 1, Lecture Notes in Networks and Systems, NIT Jalandhar, India	India	NIT Jalandhar, India	October 20, 2023

37.	P. K. Gautam, Dharmendra Kumar Jhariya	Design of a 4-element UWB-MIMO Antenna for X, Ku, and K Band Applications [doi: 10.1109/WAMS59642.2024.10528060]	2024 IEEE Wireless Antenna and Microwave Symposium (WAMS), Visakhapatnam, India, pp. 1-5, 2024.	India	Visakhapatnam, A.P., India	March 03, 2024
38.	V. K. Ranjan, A. Kumar and D. Jhariya	Wideband Band Pass Filter for Millimeter Wave Application [doi: 10.1109/AECE59614.2023.10428541.]	2023 3rd International Conference on Advancement in Electronics & Communication Engineering (AECE), pp. 855-857, 2023 Ghaziabad, India	India	Raj Kumar Goel Institute of Technology, Ghaziabad U.P. India	November 23, 2023
39.	A.Kumar and D. K. Jhariya	Multifactor Authentication Syste [https://doi:10.1109/PCEMS58491.2023.10136041.]	2nd International Conference on Paradigm Shifts in Communications Embedded Systems, Machine Learning and Signal Processing (PCEMS), 2023, Nagpur, India	India	Visvesvaraya National Institute of Technology, Nagpur, India	April 05, 2023
40.	M. K. Singh, D. K. Jhariya, R. Singh and A. Upadhyay	Performance Comparison of FPGA based Linear SVMS-Classifier andComputer Simulation [https://doi:10.1109/PCEMS58491.2023.10136096]	2nd International Conference on Paradigm Shifts in Communications Embedded Systems, Machine Learning and Signal Processing (PCEMS), pp-1-3, 2023, Nagpur, India	India	Visvesvaraya National Institute of Technology, Nagpur, India	April 06, 2023
41.	A. Kumar and D. K. Jhariya	Low-Noise Amplifier Design: An Open-Source Perspective [doi:10.1109/PCEMS58491.2023.10136122.]	2nd International Conference on Paradigm Shifts in Communications Embedded Systems, Machine Learning and Signal Processing (PCEMS), 2023, Nagpur, India	India	Visvesvaraya National Institute of Technology, Nagpur, India	April 06, 2023
42.	Manju Manju, Manoj Kumar, Ramnish Kumar	Design and analysis of 3-bit Low Power Digitally Controlled Oscillator using Pseudo-NMOS inverter	2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)	India	Department of Electrical and Electronics Engineering at ABV-IIITM Gwalior, India,	March 14-16, 2024
43.	Priyanka Olaniya, Manoj Kumar, Amit Prakash Singh	Design and analysis of Low Power Current Starved Voltage Controlled Oscillator using Reverse Body Bias in 90nm CMOS Technology	2024 Fourth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)	Bhilai, India	Shri Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India	January 11-12, 2024
44.	Kuldeep Dutta, Madhulika Verma, Sachin Agrawal, Manoj Kumar	Assessing the Performance of a Dielectrically Modulated Double-Gate Bilateral TFET Biosensor	2023 9th International Conference on Signal Processing and Communication (ICSC)	India	Jaypee Institute of Information Technology, Noida	December 21 -23, 2023

45.	Krishan Kumar, Manoj Kumar, Mansi Jhamb	Performance Comparison of CMOS Based Voltage Reference Circuits in 180nm Technology	2023 9th International Conference on Signal Processing and Communication (ICSC)	India	Jaypee Institute of Information Technology, Noida	December 21 -23, 2023
46.	Manvendra Singh, Manoj Kumar, Vandana Nath	Comparative Analysis of Reversible Logic Gates and Reversible Decimal to Binary Encoders using Verilog	2023 International Conference on Integration of Computational Intelligent System (ICICIS)	Pune, India.	School of Engineering at Ajeenkya DY Patil University	November 1-4, 2023
47.	Lalit Negi, Sandeep Kumar, Manisha Bharti	A Hybrid Data Security Technique Using Chaos Encryption, RC4 Encryption, Huffman Data Compression and LSB Steganography	2024 2nd International Conference on Device Intelligence, Computing and Communication Technologies (DICCT)	Dehradun, India	Graphic Era University, Dehradun	March 15-16, 2024
48.	P. K. Gautam, M. Bharti and N. Paras,	Investigation of the Direct Source to Drain Tunneling in 5 nm Nanotube Junctionless Field Effect Transistor	2nd International Conference on Paradigm Shifts in Communications Embedded Systems, Machine Learning and Signal Processing (PCEMS)	Nagpur, India, 2023	-	April 5-6, 2023
49.	Laldinpuii Colney, Sandeep Kumar, Mahak Jodwal, Manisha Bharti, Upendra Kumar Acharya	Performance Analysis of Adaptive Histogram Equalization-Based Image Enhancement Schemes	IEEE International Conference on Computing, Communication, and Intelligent Systems (ICCCIS)	Greater Noida, India	Sharda University	November 03-04, 2023
50.	A. Sharma, N. S. Singha, R. Yadav, A. Kumar	An Innovative Hybrid Full Adder Design for Low-Power VLSI Circuit	Applications International Conference on Advances in AI for Biomedical Instrumentation, Electronics and Computing (ICABEC-2023	Gaziabad	KIET Gaziabad	December 22-23, 2023
51.	K. Singh and N. S. Singha	Performance Analysis of Large-Scale Machine Learning Optimization Algorithms	IEEE 12th International Conference on Communication Systems and Network Technologies (CSNT)	Bhopal	TIT Bhopal and MIR Labs, Gwalior,	April 08-09, 2023
52.	Hemant Kr. Varshney, Sachin Agrawal, Dharmendra Kr. Jhariya	Design a UWB Antenna with Band Notch Characteristics for MIMO Applications	9th International Conference On Signal Processing And Communication (IcCSC) 2023	JIIT Noida	JIIT Noida	December 21-23, 2023
53.	Upendra Kumar Acharya, Mohammad Taha Ali, Mohd Kaif Ahmed, Mohd Tabish Siddiqui, Harsh Gupta, Sandeep Kumar, Ajey Shakti Mishra	Hybrid deep neural network for automatic detection of COVID-19 using chest x-ray images	International Journal of Imaging Systems and Technology (wiley)	33	1129-1143	July 2023

54.	Rajesh Yadav, Shailza Gotra, VS Pandey, Sandeep Kumar	Graphene based two-port MIMO yagi-uda antenna for THz applications	Micro and Nanostructures (Elsevier)	181	207616	September 2023
55.	Prabhakar Agarwal, Sandeep Kumar	EEG-based imagined words classification using Hilbert transform and deep networks	Multimedia Tools and Applications (Springer)	83	2725-2748	January 2024
56.	Upendra Kumar Acharya, Sandeep Kumar	Directed searching optimized texture based adaptive gamma correction (DSOTAGC) technique for medical image enhancement	Multimedia Tools and Applications (Springer)	83	6943-6962	January 2024
57.	J. Kruthika, Sonalika Singh, D.Vaithiyanathan, Preeti Verma, V. Jeyalakshmi	Examining and Evaluating Voltage Level Shifter Circuit Performance Experimentally at Various Technology Nodes	2nd International Conference on Advanced Technology in Engineering & Management (ICAATEM 2024)	Dubai & Abu Dhabi	Saveetha Engineering College and De Montfort University Dubai	March 21, 2024
58.	Sonalika Singh, Dhandapani Vaithiyanathan, Preeti Verma	A Comparative Analysis of Robust Level Shifters for High-Speed and Ultra-Low Power Applications	IEEE International Conference on Distributed Computing and Optimization Techniques (ICDCOT-2024)	Bengaluru, Karnataka, India,	SJB Institute of Technology	March 16, 2024
59.	Ashish Verma, Preeti Verma, D Vaithiyanathan	Simulation and Extraction of Dual-Gate TFET With Ferroelectric Material to Preserve Data	Fourth International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024)	Bhilai, Chhattisgarh, India	Shri Shankaracharya Technical Campus (SSTC)	January 11, 2024
60.	Katta Saiteja, Dhandapani Vaithiyanathan, Preeti Verma, Baljit Kaur	Review Of Dual-Edge Triggered Low-Powered D Flip-Flops	IEEE 2023 Smart Generation Technologies in Computing, Networking & Communication (SMART GENCON)	Bengaluru, Karnataka, India	Ghousia College of Engineering	December 29, 2023
61.	Anurag Singh, Dhandapani Vaithiyanathan, Preeti Verma, Baljit Kaur	Examining and Evaluating Comparator Circuit Performance Experimentally at Various Technology Nodes	IEEE 2023 Smart Generation Technologies in Computing, Networking & Communication (SMART GENCON)	Bengaluru, Karnataka, India	Ghousia College of Engineering	December 29, 2023
62.	Kaushambi, Preeti Verma, Dhandapani Vaithiyanathan	Unleashing Power Efficiency: A Study Comparing Pulsed Latches and Flip-Flops for Low-Power Applications	IEEE 2023 Smart Generation Technologies in Computing, Networking & Communication (SMART GENCON)	Bengaluru, Karnataka, India	Ghousia College of Engineering	December 29, 2023
63.	Dhandapani Vaithiyanathan, Kaushal Verma, Preeti Verma, Baljit Kaur	Safety Watch based on the Internet of Things	International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2023),	Erode, Tamil Nadu, India	M. P. Nachimuthu M. Jaganathan Engineering College	October 19, 2023

64.	Katta Saiteja, Dhandapani Vaithiyanathan, Preeti Verma, Baljit Kaur	Review Of Dual-Edge Triggered Low-Powered D Flip-Flops	IEEE 2023 Smart Generation Technologies in Computing, Networking & Communication (SMART GENCON)	Bengaluru, Karnataka, India	Ghousia College of Engineering	December 29, 2023
65.	Rutuja Mhaiskar, Vaithiyanathan Dhandapani, Preeti Verma, Baljit Kaur	Performance Analysis of Human Activity	2023 First International Conference on Data Science and Advanced Computing (ICDSAC 2023)	Coimbatore, Tamil Nadu, India	KPR Institute of Engineering and Technology	June 23, 2023
66.	Jaideep K. Mudhar, J. Malhotra, Ajay Kumar Singh, Monika Anand	Blockchain and Machine Learning Security for the Internet of Things: A Bibliometric Analysis	IEEE 2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN)	Salem, India, pp. 1196-1202, 2023	R P Sarathy Institute of technology	19-20 June, 2023
67.	Lalit Negi, Sandeep Kumar, Manisha Bharti	A Hybrid Data Security Technique Using Chaos Encryption, RC4 Encryption, Huffman Data Compression and LSB Steganography	2024 2nd International Conference on Device Intelligence, Computing and Communication Technologies (DICCT)	Dehradun, India	Graphic Era University, Dehradun	March 15-16, 2024
68.	P. K. Gautam, M. Bharti and N. Paras,	Investigation of the Direct Source to Drain Tunneling in 5 nm Nanotube Junctionless Field Effect Transistor	2nd International Conference on Paradigm Shifts in Communications Embedded Systems, Machine Learning and Signal Processing (PCEMS)	Nagpur, India, 2023	-	April 5-6, 2023
69.	Laldinpuii Colney, Sandeep Kumar, Mahak Jodwal, Manisha Bharti, Upendra Kumar Acharya	Performance Analysis of Adaptive Histogram Equalization-Based Image Enhancement Schemes	IEEE International Conference on Computing, Communication, and Intelligent Systems (ICCCIS)	Greater Noida, India	Sharda University	November 03-04, 2023
70.	Jaideep K. Mudhar, J. Malhotra, Ajay Kumar Singh, Monika Anand	Blockchain and Machine Learning Security for the Internet of Things: A Bibliometric Analysis	IEEE 2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN)	Salem, India, pp. 1196-1202, 2023	R P Sarathy Institute of technology	June 19-20, 2023
71.	Mohan K Paswan and, Rikmantra Basu	2-D blue Phosphorene/Molybdenum Disulfide (BlueP/MoS2) Hybrid Structure with Enhanced Sensitivity based on SPR for Chemical Sensing	2022 URSI Regional Conference on Radio Science (USRI-RCRS) [DOI: 10.23919/URSI-RCRS56822.2022.10118549]	IIT Indore, India	IIT Indore	December 01-04, 2022
72.	P. Ghoshal, Rikmantra Basu, J. Kaur and A. K. Sharma	Simulation and Performance Analysis of Tri-Gate n-FinFET Emphasizing on Material Oxide Variation SiO2, ZrO2 and La2O3	2024 IEEE 13th International Conference on Communication Systems and Network Technologies (CSNT)	Gyan Ganga Institute of Technology and Science, Jabalpur, India	Gyan Ganga Institute of Technology and Science, Jabalpur, India	April 06-07, 2024

10. Book Chapters Published by the Departmental Faculty in 2023-2024:

S. No	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the Book Chapter	Name/ Details of the Book where the Chapter is Published	Volume	Page number	Publisher
1.	Verma, M., Sahoo, G.S., Mishra, G.P.	Passivation in the c-Si Solar Cell to Enhance the Efficiency with Low Surface Recombination Velocity	In: Song, Y.S., Thoutam, L.R., Tayal, S., Rahi, S.B., Samuel, T.S.A. (eds) Handbook of Emerging Materials for Semiconductor Industry.		409-422	Springer, Singapore
2.	Sahoo, G.S., Verma, M., Mishra, G.P.	A Comparative Study on AlGaAs and GaAs Tunnel Diodes for Dual Junction Solar Cells	In: Song, Y.S., Thoutam, L.R., Tayal, S., Rahi, S.B., Samuel, T.S.A. (eds) Handbook of Emerging Materials for Semiconductor Industry.		379-390	Springer, Singapore
3.	Sitaram Kumar, Amit Kumar, Dharmendra K. Jhariya	Design of multiplexer in 90nm technology using energy recovery logic circuit	Advances in AI for Biomedical Instrumentation, Electronics and Computing [https://doi.org/10.1201/9781032644752]	6	1-6	Taylor & Francis CRC Press [eBook ISBN 9781032644752]
4.	Yash Pathak and Dharmendra Kumar Jhariya	Performance evaluation of full adder cells implemented in CMOS technology	Advances in AI for Biomedical Instrumentation, Electronics and Computing [https://doi.org/10.1201/9781032644752	6	1-6	Taylor & Francis CRC Press [eBook ISBN 9781032644752
5.	Manisha Bharti, Sandeep Kumar, Akash Rawat	Design of Low Phase Noise PLL with Improved Locking Time	Emerging Electronics and Automation (E2A 2022) - Lecture Notes in Electrical Engineering, Feb 2024	1088	471–481	Springer
6.	Pramod Kumar, Manisha Bharti, Neha Paras	Designing of Non-volatile Memories utilizing Tunnel Field Effect Transistor	Tunnel Field Effect Transistor June 2023	ISBN: 9781003327035	235-250	CRC Press, Taylor & Francis Group
7.	Kritika Upadyay, Manisha Bharti	6G Enabled IoT and AI for Smart Healthcare	Influence of AI and 6G enabled IoT in Smart Healthcare Challenges & Solutions June 2023	ISBN: 9781003321668	183-197	CRC Press, Taylor & Francis Group
8.	Dr. Sachin Agrawal	Super Resolution Based Channel Estimation, 2023	Next Generation System and Network", Springer	641		Springer

9.	Manisha Bharti, Sandeep Kumar, Akash Rawat	Design of Low Phase Noise PLL with Improved Locking Time	Emerging Electronics and Automation (E2A 2022) - Lecture Notes in Electrical Engineering, Feb 2024	1088	471–481	Springer
10.	Preeti Verma, Ajay K Sharma, Swatantra Shukla, D. Vaithiyanathan, Alok Mishra, Baljit Kaur	Study and analysis of Low Power Dynamic Circuits, Nano-scaleSemiconductor Devices Fundamentals and Applications	Nanoscale Semiconductor Devices: Fundamentals and Applications Scopus Indexed ISBN (print): 978-1-922617-58-3		105-142	Central west Publishing
11.	A. Sharma and Jyoteesh Malhotra	Performance Investigation of Photonic Radar for Autonomous Vehicles' Application Under Various Degrading Conditions,"	Proceedings of International Conference on Signals, Machines, and Automation: SIGMA 2022, Lecture Notes in Electrical Engineering book series (LNEE, volume 1023) 23 May 2023	ISBN: 978-981-99-0968-1, 978-981-99-0969-8	505–512	Springer

11. Book Published by the Departmental Faculty in 2023-2024:

S.No.	Name of the Authors	Title of the Book	Name/ Details of the Book	Volume	Page number	Publisher
1.	Manju Khari, Manisha Bharti, M.Niranjanmurthy	Wireless Communication Security Mobile and Network Security Protocols	Wireless Communication Security Mobile and Network Security Protocols	ISBN 9781119777144	251	Scrivener Publishers, Wiley

12. Student's Thesis/ Project Guidance in 2023-2024 PhD Students:

S. No.	Roll No.	Name of Student	Date of Defense	Main Supervisor	Joint Supervision (if any)	Title of Dissertation
1	173221202	Ashima	16.05.2023	Dr.D.Vaithiyanathan	Dr.Balwinder Raj, NIT Jalandhar	Design and Analysis of Charge Plasma Induced Graded Channel Nanotube FETand its Biosensor Applications
2	183221103	M.Manigandan	14.10.2023	Dr.D.Vaithiyanathan		Underwater Image Enhancement Techniques with Illumination Correction and DetailPreserving
3	173221208	Ms. Preeti Mehta	11.07.2023	Dr. Mahesh K. Singh	Dr. Nitin S. Singha	Digital Image Forensic Techniques for the Detection of Image Rebroadcast Attacks
4	183221102	Ashima Sharma	19.06.2023	Dr. Manisha Bharti	Dr. Pydi Ganga Bahubalindruni	Device Modeling of Oxide Thin Film Transistors

5	183222105	Pragya Gupta	13.09.2023	Dr. Manisha Bharti		Design of Printed MOMO Antenna fro Wireless Communication Systems
6	173221208	Ms. Preeti Mehta	11.07.2023	Dr. Mahesh K. Singh	Dr. Nitin S. Singha	Digital Image Forensic Techniques for the Detection of Image Rebroadcast Attacks
7	183221104	Prabhakar Agarwal	13.01.2023	Dr. Sandeep Kumar		Development of Efficient Algorithms for the classification of imagined speech
8		Abhishek Sharma	04.03.2024	Prof. Jyoteesh Malhotra		Design and Development of Efficient Photonic Radar for Intelligent Transportation Systems
9		Bhanupriya	03.02. 2023	Prof. Jyoteesh Malhotra		Design of Smart Network Selection Frameworks for Next-Generation Wireless Networks

M. Tech Students:

S. No.	Roll No.	Name of Student	Date of Defense	Main Supervisor	Joint Supervision (if any)	Title of Dissertation
1.	212221001	Abhishek Behera	22.05.2023	Dr.D.Vaithiyanathan		Architectural Improvement and Performance Evaluation of 1D-to-2D Array Conversion Priority Encoder
2.	212221014	Swatantrata Shukla	23.05.2023	Dr.D.Vaithiyanathan		Design and analysis of Low Power N-Bridge Master and P-Bridge Slave Topologically Arranged Flip-Flop
3.	212221015	Rajat Mishra	23.05.2023	Dr.D.Vaithiyanathan		Performance Improvement in Dynamic Comparator
4.	212221005	Kanishka Khandelwal	23.05.2023	Baljit Kaur		VLSI Implementation of Rounding Based Approximate Multiplier for high speed and performance improvement
5.	212221011	Sajan Behera	22.05.2023	Baljit Kaur		Design and Analysis of a Hybrid Logic Full Adder using 6T XOR-XNOR Cell
6.	212221018	Sumit Bisht	22.05.2023	Baljit Kaur		Design of full Adder with high speed low power small area using CMOS Memristor hybrid circuits
7.	212221004	Jignesh Kokkiligadda	21.05.2023	Dr Dharmendra Kumar Jhariya		Analysis and Implementation of approximate 4-2 Compressors for Approximate Multipliers

8.	212221017	Suryapratap Rathore	21.05.2023	Dr Dharmendra Kumar Jhariya	Dr Mahesh Kumar Singh	Design and Performance Analysis of 18T Low Power 1-bit Hybrid Full Adder
9.	212220003	Kritika Upadhyay	21.05.2023	Dr. Manisha Bharti		Design, Analysis and Performance Enhancement of f-OFDM System
10.	212221009	Pramod Kumar Gautam	21.05.2023	Dr. Manisha Bharti		Investigation on Short Channel Effect in Ultrascaled Nanotube Junctionless Field Effect Transistor with Source to Drain Tunneling Perspective
11.	212220007	Prabhat kr. Soni	21.05.2023	Sachin Agrawal		Design and investigation of antenna for THz application
12.	212220006	Parepalli Likhitha Saveri	21.05.2023	Dr. Sandeep Kumar		Segmentation and Classification of Medical Images using Machine Learning and Deep Learning
13.	212221008	Omnik Chandrakant Maurya	21.05.2023	Dr. Sandeep Kumar		Inference Engines on FPGAs for AI based Applications
14.	212221018	Sumit Bisht	21.05.2023	Dr. Sandeep Kumar	Dr. Baljit Kaur	Design of Full Adder with High Speed, Low Power, Small Area Using CMOS Memristor Hybrid Circuits
15.	202220001	Mr. Abhishek	04.05.2022	Dr. Rikmantra Basu		Effect of Temperature in Bandgap Narrowing for the Application of Optoelectronic Devices
16.	212220005	Ms. Nikita	31.05.2023	Dr. Rikmantra Basu		Effect of Varying Work Function on Performance of Single Gate, Double Gate and Dual Material Double Gate TFET

B. Tech Students:

S. No.	Roll No.	Name of Student	Date of Defense	Main Supervisor	Topic of Project
1	19120009	Aman Suri	26.05.2023	Dr.D.Vaithiyanathan	Implementing an Autonomous Car using Neural Networks and Arduino
2	191220040	Rishabh Singh	26.05.2023	Dr.D.Vaithiyanathan	
3	191220034	Mohammad Saaim	26.05.2023	Dr.D.Vaithiyanathan	Developing an Indian Board Game Live On-Site
4	191220004	Akash Sharma	26.05.2023	Dr.D.Vaithiyanathan	Image Generation using GAN
5	191220049	Uday Singh Matta	26.05.2023	Dr.D.Vaithiyanathan	

6	191220041	Rutuja Mhaiskar	26 .05. 2023	Baljit Kaur	Human Activity Analysis
7	191220005	Akash Sikarwar	26 .05 2023	Baljit Kaur	Trading BOT
8	191220039	1. Rajput Shivam	26 .05.2023	Baljit Kaur	Stock Price Prediction using Tweet Sentiments
9	191220047	Tsewang Rigzin	26.05.2023	Baljit Kaur	Stock Price Prediction using Tweet Sentiments
10	191220050	Udayan Larje	26.05.2023	Baljit Kaur	Stock Price Prediction using Tweet Sentiments
11	201220027	Menika Karki	09.03.2024	Dr. Manoj Kumar	Comparative analysis of pseudo-random numbers & quantum random numbers in game theory & cybersecurity
12	191220001	Abhishek Anand	25.05.2023	Dr. Manisha Bharti	Design an Development of Li-Fi based Communication System
13	191220003	Aishwary Kush-waha	25.05.2023	Dr. Manisha Bharti	Design an Development of Li-Fi based Communication System
14	191220017	Akshaya Bandaru	25.05.2023	Dr. Manisha Bharti	Yoga Pose Detection using Machine Learning
15	191220024	Tejashwini	25.05.2023	Dr. Manisha Bharti	Auto Aligning Laser Communi-cation System
16	191220046	Sudheer Yadav	25.05.2023	Dr. Manisha Bharti	Design of a Dual band MIMO Antenna for 5G Smartphone Application
17	191220019	Deepti Shakya	25.05.2023	Dr. Sandeep Ku-mar	Brain Tumor Detection using Machine Learning
18	191220038	Rahul Saini	25.05.2023	Dr. Sandeep Ku-mar	Brain Tumor Detection using Machine Learning
19	191220018	Dasari Kranthi Venkat	25.05.2023	Dr. Sandeep Ku-mar	Machine Learning Approach to Air Quality Prediction
20	191220012	Anuj Kumar Singh	25.05.2023	Dr. Sandeep Ku-mar	Stock Price Prediction using Machine Learning and Senti-ment Analysis
21	191220045	Sourabh Malvi	25.05.2023	Dr. Sandeep Ku-mar	Stock Price Prediction using Machine Learning and Senti-ment Analysis
22	191220008	Akshit Chand	25.05.2023	Dr. Rikmantra Basu	Elevate College Social Media Application
23	191220022	Gurpreet Kaur	25.05.2023	Dr. Rikmantra Basu	Elevate College Social Media Application
24	191220037	Praveen Kumar	25.05.2023	Dr. Rikmantra Basu	Elevate College Social Media Application

DEPARTMENT OF MECHANICAL ENGINEERING

VISION: Committed to the holistic development of Lives and Society by imparting Knowledge of Science and Technology and Crystallizing the future

MISSION: Application of Knowledge through learning and inculcating Research Oriented mind-settowards Design and Innovative Development for Realistic Societal Solutions.

GOALS:

- To impart the best technical education at undergraduate level so as to train the students to be able to boldly face a world that is being transformed by scientific and technological advances
- To engage in research work, beneficial to industry as well as society and disseminate the research findings.
- To provide knowledge based technological services to satisfy the needs of the industry as well as society.
- To help in building national capabilities in developing technologies, opening up new vistas in education and research.
- To promote institute industry interaction through sponsored research by sponsoring faculty to work in industry

1. List of Faculty (as on 31 March 2024):

S.No.	Name of Faculty	Designation	Highest Qualification
1	Dr. Leeledhar Nagdeve	HoD, Assistant Professor	PhD
2	Dr. Harish Kumar	Associate Professor	PhD
3	Dr.Abhishek Mishra	Assistant Professor	PhD
4	Dr. Ashok Kumar Dewangan	Assistant Professor (On Contract Basis)	PhD
5	Dr. Hargovind Soni	Assistant Professor (Contractual)	PhD

2. Newly Developed Labs in the Department

CAD/CAM LABORATORY

The department has Laboratories for Computer Aided Design and Manufacturing. The infrastructure available includes two air-conditioned Portable Cabins with 24 computer systems and a classroom. The laboratories have the internet facilities and software for CAD/CAM.

CAD/CAM Lab

Academy for Advanced & Reverse Manufacturing (ARM) Lab

This facility is based on advanced 3D printing technology. It has Fused Filament Fabrication technique where a temperature-controlled head extrudes a thermoplastic material layer by layer onto a build platform. The other one is a liquid-based Vat Photo-polymerization 3D printer. This lab also provides the facility of 3D scanning and Reverse Manufacturing for practical and research work

ARM Lab

Additive Manufacturing Technology (AMT) Centre

Additive manufacturing is a type of manufacturing technology that builds three-dimensional objects by building up materials, rather than cutting them away. Generally, the method involves adding layers of material such as plastic, metal and concrete. There are a variety of types of additive manufacturing, each using different techniques and materials to achieve the result.

Additive Manufacturing Technology (AMT) Centre

Advanced Manufacturing Lab

Advanced manufacturing technologies, or Industry 4.0, involves automating traditional manufacturing processes using technologies such as robotics, Internet of Things (IoT), big data analytics, artificial intelligence, and autonomous systems. Advanced manufacturing technologies can improve manufacturing capability and efficiency.

Implementing these technologies can help your company by:

- Optimizing processes
- Shortening cycle times
- Improving quality

Advance Manufacturing Lab

Smart Manufacturing Lab

Smart manufacturing (SM) is a technology-driven approach that utilizes Internet-connected machinery to monitor the production process. The goal of SM is to identify opportunities for automating operations and use data analytics to improve manufacturing performance.

CNC Lathe

CNC Milling

Advanced Composites Lab

Advanced composites, or polymer composites, are made by combining reinforcement (such as fiber glass, carbon fiber, or aramid fiber) with a resin, which is another name for polymer

Advanced Composite Lab

3. EXPERT TALKS/FDP/STC/CONFERENCES ORGANIZED (2023-2024)

S. No.	Type of Event	Title of Event	Duration	Sponsored Agency
1	STC	one-week Short Term Course (STC) on " Emerging Technologies in Thermo-Fluids and Energy Systems (ETTES-2023)"	April 11 - 16, 2023	Self-Sponsored

4. Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Organized in 2023-2024:

S. No.	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Coordinator/ Convener/ Chairman
1	STC	one-week **Short Term Course (STC)** on " Emerging Technologies in Thermo-Fluids and Energy Systems (ETTES-2023)"	Mechanical Engg. NIT Delhi	April 11 - 16, 2023	Dr. Harish Kumar, Dr. Leeladhar Nagdeve &Dr. Ashok K Dewangan

5. Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Attended in 2023-2024:

S. No.	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Faculty Attended by
1	Workshop	**Nurturing Future Leadership Program**	IIM Indore	March 18-22, 2024	Dr. Leeladhar Nagdeve

6. Expert Lecture Delivered by Departmental Faculty in 2023-2024:

S. No.	Title of the Expert Talk	Name of the Event	Organized By	Duration	Faculty Delivered Expert Talk
1	Additive Manufacturing	Advancements in Material Processing and Additive Manufacturing (AMPAM 2024)	Sant Longowal Institute of Engineering and Technology	January 08-12, 2024	Dr. Leeladhar Nagdeve

7. Journal Publications by the Departmental Faculty in 2023-2024

S.No	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the paper	Name of the Journal	Volume	Page number	Month and Year of Publication
1	Moona, G., Singh, A., Kumar, V., Sharma, R., & Kumar, H.	Dimensional Metrology: Underpinning the Automotive Sector in an Indelible Fashion.	Mapan (Springer Nature)		1-11	2024
2	Moona, G., Singh, A., Bishnoi, S., Kumar, V., Sharma, R., & Kumar, H.	A comparative investigation for flatness and parallelism measurement uncertainty evaluation using laser interferometry and image processing.	Indian Journal of Engineering and Materials Sciences	31(1)	51-57	2024
3	Saxena, R., & Kumar, H.	Design and Development of Trapezoidal-shaped Transducer for Industrial and Scientific Applications.	Mapan (Springer Nature)	39(2)	349-63.	2024
4	H Kumar, AP Singh, SK Ghosal, M Suhaib, S Kumar	Design, development and metrological investigations of EN 24 steel based square ring shaped force transducer	International Journal on Interactive Design and Manufacturing (Springer Nature)	18	1539-55	2024
5	Bhasin, S., Singari, R. M., Arora, P. K., & Kumar, H.	Implications of additive manufacturing on supply chain management	Journal of Industrial Integration and Management	9(1)	117-131	2024
6	Dubey, V., Pandey, K., Kumar, H., Arora, P. K., Katiyar, J. K., & Sharma, A. K.	Tribological Behaviour of AISI 304 Steel on Electro-deposited Hard Chrome Coated Steel.	EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy	11(2)	2110-15	2024
7	H Kumar, Y Shrivastava, P K Arora	An Effort for Maximizing the Material Removal Rate During the Wire Cutting of Difficult to Machine Inconel X750 Using Electric Discharge Machining Process.	Journal of Polymer & Composites	11 (12)	S1-S17	2023
8	PK Arora, Y Shrivastava, H Kumar	Optimising FDM printing parameters for improved tensile properties in 3D printed ASTM D638 standard samples	Australian Journal of Mechanical Engineering (Taylor and Francis)		1-14	2023

9	Kumar, R., Singh, M., Khan, S., Singh, J., Sharma, S., Kumar, H., J.S. Chouhan & Aggarwal, V.	A state-of-the-art review on the misalignment, failure modes and its detection methods for bearings	Mapan	38(1)	265-274	2023
10	Ankush Katheria, Rahul Kumar Vishwakarma, Leeladhar Nagdeve, Krishnakant Dhakar, Harish Kumar	Multi-axis near-dry Electrical Discharge machining using inconel 718 alloy	Materials and Manufacturing Processes	39(11)	1529-1536	2024/04
11	M Pant, G Moona, Leeladhar Nagdeve, Harish Kumar	Dimensional accuracy and stability analysis of laser powder bed fusion (LPBF) samples: implications of process variables	International Journal on Interactive Design and Manufacturing (IJIDeM),	18 (3)	1121-1129	2024/03
12	S Kumar, SK Ghoshal, PK Arora, Harish Kumar, Leeladhar Nagdeve	Unlocking AISI420 Martensitic Stainless Steel's Potential: Precision Enhancement Via S-EDM with Copper Electrodes and Multivariate Optimization	Arabian Journal for Science and Engineering	49	11457–11478	2024/02
13	Meena Pant, Leeladhar Nagdeve, Girija Moona, Harish Kumar, A Rajput, J. Ramkumar,	Comprehensive Investigation of the Mechanical Properties of 316L Stainless Steel Processed via Laser Powder Bed Fusion	Journal of Materials Engineering and Performance	9(1)	1-14	2024/01
14	A Gupta, Leeladhar Nagdeve, Girija Moona, Harish Kumar	Performance Evaluation of WEDM process of EN 31 using multiple electrode material: WEDM PROCESS MULTIPLE ELECTRODE MATERIAL	Indian Journal of Engineering and Materials Sciences (IJEMS)	30 (4)	505-513	2023/08
15	Meena Pant, P Patpatiya, Leeladhar Nagdeve, Girija Moona, Harish Kumar	Reverse Engineering and Dimensional Limits Analysis of Samples Fabricated Using Selective Laser Melting Process	MAPAN	38 (4)	795-804	2023/12
16	Rahul Kumar, Ankush Katheria, Leeladhar Nagdeve, Harish Kumar, Krishnakant Dhakar	Experimental investigation into portable near dry EDM	Manufacturing Technology Today	22 (6)	28-34	2023/06
17	V Joshi, L Nagdeve, G Moona, H Kumar	Mechanical Testing of Hybrid LM30 Metal Matrix Composite Fabricated through Stir Casting Route	Indian Journal of Pure & Applied Physics (IJPAP)	61 (1),	33-42	2023/04

18	Alok Ranjan, Leeladhar Nagdeve, Harish Kumar, Abhishek Mishra, Jitendra Kumar Katiyar	Tribological behaviour of stir casted hybrid-Al metal matrix composites using Taguchi technique	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	237 (4)	894-910	2023/4
19	Meena Pant, Leeladhar Nagdeve, Girija Moona, Harish Kumar, Anuj Sharma	Tribological behavior investigation of 316L stainless steel samples processed by selective laser melting	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	237 (4)	718-731	2023/4
20	Shubham Singh, Leeladhar Nagdeve, Harish Kumar, Krishnakant Dhakar	Rice straw based natural fiber reinforced polymer for sustainable bio-composites: a systematic review	Transdisciplinary Research and Education Center for Green Technologies, Kyushu University	10 (4)	1041-1052	2023
21	Ashish Kumar, AkhileshwarNirala, VP Singh, Biraj Kumar Sahoo, RC Singh, Rajiv Chaudhary, Ashok K Dewangan, Gajendra Kumar Gaurav, JiříJaromírKlemeš, Xinghui Liu	The utilisation of coconut shell ash in production of hybrid composite: Microstructural characterisation and performance analysis	Journal of Cleaner Production	398	136494	2023
22	Rajesh Choudhary, Abhishek Mukhija, Subhash Sharma, Rohitash-Choudhary, Ami Chand, Ashok K Dewangan, GajendraKumar Gaurav, JiříJaromírKlemeš	Energy-saving COVID–19 biomedical plastic waste treatment using the thermal-Catalytic pyrolysis	Energy	264	126096	2023
23	Rajhans Meena, Abdul Wahab Hashmi, Shadab Ahmad, Faiz Iqbal, Hargovind Soni, Anoj Meena, Abdullah A Al-Kahtani, Bidhan Pandit, Hesam Kamyab, Himanshu Payal, Mohammad Yusuf	Influence of fly ash on thermo-mechanical and mechanical behavior of injection molded polypropylene matrix composites	Chemosphere	343	140225	2023

24	Rajneesh Kumar Singh, Shadab Ahmad, Yebing Tian, Sonia Dangi, Abdul Wahab Hashmi, Sumit Chaudhary, Hargovind Soni, Chander Prakash, Choon Kit Chan	Study on temperature and hardness behaviors of Al-6060 alloy during magnetic abrasive finishing process using artificial neural networks	Journal of Materials Research and Technology	30	6092-6107	2024

8. Conference Papers Presented by the Departmental Faculty in 2023-2024:

S.No	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the paper	Name of the Conference	Place and Country where the Conference Held	Organizer of the Conference	Date of Presentation
1.	Saxena, R., & Kumar, H.	Implications of Location of Strain Gauges and Excitation Voltage Over the Metrological Performance of Trapezoidal-Shaped Force Transducer	International Conference on Electrical and Electronics Engineering	2023, August	Singapore: Springer Nature Singapore.	2023
2	Choudhary, H., Vaithiyanathan, D., Moona, G., & Kumar, H.	An Investigation of Various Methods for Evaluating the Measurement Uncertainty.	In 3rd International Conference on Innovative Sustainable Computational Technologies (CISCT)	2023	IEEE	2023

9. Book Chapters Published by the Departmental Faculty in 2023-2024:

S.No	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the Book Chapter	Name/ Details of the Book where the Chapter is Published	Volume	Page number	Publisher
1	Rao, P. S., Sharma, V., Kumar, H., & Sushma, S. P.	Electro-Chemical Machining of Titanium Alloys and Various Composites for Efficient Machining Process: A critical Review	Fabrication Techniques and Machining Methods of Advanced Composite Materials		68-81	Taylor & Francis

2	Choudhary, H., Vaithiyanathan, D., Moona, G., & Kumar, H.	An Investigation of Various Methods for Evaluating the Measurement Uncertainty.	In 2023 3rd International Conference on Innovative Sustainable Computational Technologies (CISCT)		1-5	IEEE
3	Mansi, Kumar, H., Singholi, AKS.	Additive Manufacturing : Metrology	In: Aswal, D.K., Yadav, S., Takatsuji, T., Rachakonda, P., Kumar, H. (eds) Handbook of Metrology and Applications.		1165-80	Springer, Singapore
4	Mansi, Kumar, H., Singholi, A.K.S., Moona, G.	Additive Manufacturing: A Brief Introduction.	In: Aswal, D.K., Yadav, S., Takatsuji, T., Rachakonda, P., Kumar, H. (eds) Handbook of Metrology and Applications.		1141-63	Springer, Singapore
5	Mansi, Kumar, H., & Singholi, A. K. S.	Additive Manufacturing Metrology: Challenges.	In: Aswal, D.K., Yadav, S., Takatsuji, T., Rachakonda, P., Kumar, H. (eds) Handbook of Metrology and Applications.		1-16	Springer Nature Singapore.
6	Pant, M., Moona, G., Nagdeve, L., & Kumar, H.	Additive Manufacturing Metrology: Role of metrology in the advanced manufacturing processes.	In: Aswal, D.K., Yadav, S., Takatsuji, T., Rachakonda, P., Kumar, H. (eds) Handbook of Metrology and Applications.		1121-1139	Springer Nature Singapore.
7	Saxena, R., & Kumar, H.	Implications of Location of Strain Gauges and Excitation Voltage Over the Metrological Performance of Trapezoidal-Shaped Force Transducer.	In International Conference on Electrical and Electronics Engineering		393-401	Springer Nature Singapore.
8	Rajendra Shimpi, Chandrakant Wani, Rakesh Chaudhari, Sarvoday Joharapurkar, Hargovind Soni, Ajay Kumar	Experimental Investigation of Process Parameters Effects on Extrusion Blow Molding Process Using Response Surface Methodology for Industry 4.0	Industry 4.0 Driven Manufacturing Technologies	978-3-031-68271-1	69-83	2024

9	Suresh Goka, Syed Quadir Moinuddin, Ashok Kumar Dewangan, Muralimohan Cheepu, Venkata Charan Kantumuchu	Battery Management System for Electric Vehicles	The Future of Road Transportation	97810 03354901	177-195	2023
10	Suresh Goka, Syed Quadir Moinuddin, Ashok Kumar Dewangan, Shaik Himam Saheb, Barla Madhavi	Augmented Reality in Computer-Aided Design (CAD)	Metaverse and Immersive Technologies: An Introduction to Industrial, Business and Social Applications	https://doi.org/10.1002/9781394177165.ch8	217-234	2023
11	Mohammad Ashad Ghani Nasim, Mohd Parvez, Osama Khan, Gulam Hasnain Warsi, Md Hassaan, Ashok K Dewangan	Performance Evaluation of Diesel Engine with Fuels Prepared from Hydrogen and Nanoparticle Blended Biodiesel by Varying Injection Pressure	Thermal Energy Systems	978100 3395768	231-247	2023
12	Osama Khan, S Mojahid Ul Islam, Tauseef Hassan, Hozaifa Ahmad, Md Adib Ur Rahman, Ashok K Dewangan	Optimization of solar collector system based on different nanofluids	Thermal Energy Systems	978100 3395768	41-57	2023
13	Ashok K Dewangan, Syed Quadir Moinuddin, Muralimohan Cheepu, Sanjeev K Sajjan, Ashwani Kumar	Thermal energy storage:Oprtunities, Challenges and Future scope	Thermal energy systems: design, computational techniques, and applications	10.1201/978100 3395768	17-28	2023
14	Suresh Goka, Syed Quadir Moinuddin, Muralimohan Cheepu, Ashok Kumar Dewangan	Welding Practices in Industry 5.0: Opportunities, Challenges, and Applications	Automation in Welding Industry: Incorporating Artificial Intelligence, Machine Learning and Other Technologies	https://doi.org/10.1002/9781394172948.ch15	263-279	2024
15	Venkata Charan Kantumchu, Syed Quadir Moinuddin, Ashok Kumar Dewangan, Muralimohan Cheepu	Quality Assurance and Control in Welding and Additive Manufacturing	Automation in Welding Industry: Incorporating Artificial Intelligence, Machine Learning and Other Technologies	https://doi.org/10.1002/9781394172948.ch14	245-261	2024
16	Muralimohan Cheepu, Syed Quadir Moinuddin, Ashok Kumar Dewangan	Introduction to Industry 5.0	Automation in Welding Industry: Incorporating Artificial Intelligence, Machine Learning and Other Technologies	https://doi.org/10.1002/9781394172948.ch1	1-11	2024

10. Book Published by the Departmental Faculty in 2023-2024:

S. no	Name of the Authors (Departmental faculty name to be highlighted in bold)	Title of the Book	Name/ Details of the Book	Volume	Page number	Publisher
1	Aswal, D. K., Yadav, S., Takatsuji, T., Rachakonda, P., & Kumar, H.	Handbook of Metrology and Applications	Handbook of Metrology and Applications			Springer Nature (2023)
2	Yadav, S., Kumar, H., Wan, M., Arora, P., Yusof, Y.	Recent Advances in Applied Mechanics and Mechanical Engineering	Selected proceedings of ICAMME 2022.			Springer Nature (2023)
3	Yadav, S., Haleem, A., Arora, P. K., & Kumar, H.	Proceedings of Second International Conference in Mechanical and Energy Technology	International Conference in Mechanical and Energy Technology: ICMET 2021			Springer (2023)
4	Yadav, S., Arora, P., Sharma, A., Kumar, H.	Proceedings of third International Conference in Mechanical and Energy Technology: ICMET 2023	International Conference in Mechanical and Energy Technology: ICMET 2023			Springer (2023)
5	Kumar, H., Jain, P. K., & Goel, S.	Recent Advances in Intelligent Manufacturing: Select Proceedings of ICAME 2022.	Proceedings of ICAME 2022.			Springer (2023)
6	M.S. Rangnathan, P.K. Jain, H. Kumar	Advances in Manufacturing Technology and Management: Proceeding of 6th International Conference on Advanced Production and Inductrail Engineering, ICAPIE 2021, Springer.	International Conference on Advanced Production and Inductrail Engineering, ICAPIE 2021,			Springer (2023)
7	S. Balamurugan, Murali Mohan Cheepu, Syed Quadir Moinuddin, Ashok Kumar Dewangan, Shaik Himam Saheb	Automation in the Welding Industry: Incorporating Artificial Intelligence, Machine Learning and Other Technologies	Industry 5.0 Transformation Applications	978-1-394-17241-2 (2024)	-	Wiley

11. Student's Thesis/ Project Guidance in 2023-2024:

PhD Students:

S. No.	Roll No.	Name of Student	Date of Defense	Joint Supervision (if any)	Title of Dissertation
1	193311101	Meena Pant		Dr. Harish Kumar & Dr. Leeladhar Nagdeve	A Comprehensive Investigation of Mechanical Properties and Dimensional Analysis of 316L Stainless Steel Additive Manufactured Parts
2	173311201	Alok Ranjan	17-06-2023	Dr. Harish Kumar & Dr. Abhishek Mishra	Mechanical and Tribological Investigations of Aluminium Metal Matrix Composites
3	163311202	Appurva Jain	05-10-2023	Dr. Abhishek Mishra	Experimental Measurements and Numerical Prediction of Rupture in Ductile Material during Mechanical Testing

M. Tech Students:

S. No.	Roll No.	Name of Student	Date of Defense	Main Supervisor	Joint Supervision (if any)	Title of Dissertation
1	212311007	Nisha Mishra	2023	Dr. Leeladhar Nagdeve	Dr Harish Kumar	Evaluation of Properties of Glass Fiber Reinforced Polyester Composite (GFRP) With CaCO3 and Aluminium Trihydrate Fillers for Magnetic Resonance Imaging (MRI)
2	212311011	Rahul Kumar Vishwakarma	2023	Dr. Leeladhar Nagdeve	Dr. K K Dharkar	Analysis of process performance of Inconel 718 alloy on different tool positions of Near Dry EDM
3	212311010	ShubhamKumar Srivastava	2023	Dr. Leeladhar Nagdeve	Dr Harish Kumar	Experimental investigation and mechanical characteristics of Bamboo fiber (Natural fiber) reinforced Epoxy Composite

4	212311001	Aashish Patel	2023	Dr. Ashok K Dewangan	Dr. Leeladhar Nagdeve	Experimental and Numerical Investigation for Thermo- hydraulic Performance of Cylindrical Perforated Ribbed Solar Air Heater
5	212311003	Ankit Gupta	2023	Dr. Abhishek Mishra	Dr. Ashok K Dewangan	Numerical investigation of rupture in SS304 notched tensile test specimen
6	222311001	Manish Kumar Patel	2023	Dr. Ashok K Dewangan	-	Experimental Analysis of Biodiesel Nanoparticles blends on Performance and Emissions Characteristics in CI engine
7	212311009	Shubham Patel	2023	Dr. Ashok K Dewangan		Thermal Analysis of Hybrid Cooling-Based Battery Thermal Management System
8	212311006	Neha Chhatwani	2023	Dr. Harish Kumar	Dr. Ashok K Dewangan	Operational Road Transport Management and Road Engineering Design Analysis of an Intersection by Using VISSIM Simulation

DEPARTMENT OF CIVIL ENGINEERING

Vision

- To be the fountain-head of new ideas and innovation in Civil Engineering.

Mission

- To offer world-class under-graduate and post-graduate education, research guidance, professional consultancy, outreach and manpower training as well as leadership in Civil Engineering.

1. List of Faculty (as on 31 March 2024):

S.No.	Name of Faculty	Designation	Highest Qualification
1	Dr Ajay Kumar	HoD & Associate Professor	Ph.D.
2	Dr Kapil Kumar	Assistant Professor	Ph.D.
3	Dr Rahul Kumar Meena	Assistant Professor	Ph.D.

2. Newly Developed Labs in the Department

- Water Resource Laboratory
- Geotechnical Laboratory
- Computational Lab
- Concrete Laboratory
- Transportation Laboratory
- Material Laboratory
- NDT Laboratory

3. New procurement has been done by the Department in order to develop lab and students facilities -

(i) Advanced Surveying Lab

4. Following Instruments / Equipments have been procured in the financial year 2023-24 for the development of Civil Laboratory.

S. No.	Item Description	Quantity
1.	Hot Air oven	04
2.	Hydrometer Apparatus	01
3.	Electronic balance 5kg	01
4.	Unconfined Compression Tester	01
5.	Vane Shear Apparatus	01
6.	Direct Shear Apparatus	01
7.	Triaxial Apparatus complete with load frame other accessories	01
8.	Consolidation Apparatus	01
9.	CBR Apparatus	01
10.	Proctor Test for Heavy Compaction	02

11.	Proctor Test for Light Compaction	02
12.	Mixer Grinder	01
13.	Microprocessor Water & Soil Analysis	01
14.	Computer System	29
15.	Shrinkage Limit Set	06
16.	Sand Bath Test	01
17.	Infrared Moisture Meter	01
18.	Laboratory Permeability Apparatus constant & Falling Head	01
19.	Liquid Limit Device	06
20.	Levelling Staff	05
21.	Laboratory Centrifuge	01
22.	Laminar Air Flow/ Horizontal and Vertical	01
23.	Oxidation Reduction Potertiometer	01
24.	Orbital Shaking Incubator	01
25.	Rockwell cum Brinell Hardness	01
26.	Universal Testing Machine	01
27.	Digital Izod impact testing machine	01
28.	Brinell Hardness	01
29.	Digital torsion testing machine	01
30.	Ring and Boll apparatus	01
31.	Flash and fire apparatus	02
32.	Electronic balance 30kg	01
33.	Brookfield viscometer	01
34.	Benkelman beam	01
35.	Universal penetrometer	02
36.	Water bath testing apparatus	01
37.	Viscosity of Bitumen	01
38.	Video camera	01
39.	Ductility testing machine	01
40.	centrifuge extractor	01
41.	Skid resistance testing	01
42.	Heat of Hydration apparatus	01
43.	Electronic Balance 500g	01
44.	Electronic Balance 30kg	01
45.	Brass sieve	01
46.	Ultrasonic pulse velocity	01
47.	Wheel barrow	02
48.	Vibrating Table	01

49.	Vicat's apparatus	10
50.	Digital Flexure testing machine	01
51.	Digital Compressing Testing Machine	01
52.	Tamping rod	01
53.	Corrosion analysis system	01
54.	Cut and pull out test system	01
55.	Cement motar concrete permeability	01
56.	Crushing value apparatus	01
57.	Aggregate Impact Testing Machine	01
58.	Aggregate Los Angles apparatus	01
59.	GI Sieve	02
60.	Specific gravity water absorption	02
61.	Sieve brass frame set	01
62.	Slump cone	01
63.	Concrete Test Hammer	02
64.	Curing Tank	01
65.	Cover Meter Rebar Locator	01
66.	Concrete mixer	01
67.	Cube mould	40
68.	Le Chatelier apparatus	10

5. Projects Completed/On Going/sponsored projects in 2023-2024:

S. No	Title	Start Date & Duration	Funding Agency	PI Name & Co-PI (if any)	Project cost (Rs.)	Whether Ongoing or completed
1	Upgradation / Integration of existing UASB System with micro-aerobic processes	January 202402 years	NMCG (National Mission for Clean Ganga)	Dr. Abid Ali Khan (PI) and Dr. Kapil Kumar (Co-PI)	Rs. 3.5 Crores	Ongoing

6. Consultancy services completed/ongoing in 2023-2024:

S. No	Title	Year	Agency	Coordinator / Dept.	Consultancy cost(Rs.)
1.	Compliance Audit for Fly Ash	August 2023 to December 2023	M.B.Power Ltd. Anupur M.P	Dr. Kapil Kumar	2.65 Lakhs
2.	Compliance Audit for Fly Ash	July 2023 to March 2024	GVK Power Ltd. Taran Taran, PB	Dr. Kapil Kumar	3.54 Lakhs
3.	Compliance Audit for Fly Ash	August 2023 to December 2023	Adani Dahanu Thermal Power Station Palghar, Maharashtra	Dr. Kapil Kumar	3.5 Lakhs
4.	Compliance Audit for Fly Ash	August 2023 to March 2024	ADPL , Kawai, Rajasthan	Dr. Kapil Kumar	4.13 Lakhs

5.	Compliance Audit for Fly Ash	August 2023 to March 2024	ADPL ,Tiroda, Maharashtra	Dr. Kapil Kumar	4.13 Lakhs
6.	Compliance Audit for Fly Ash	August 2023 to March 2024	ADPL, Raigarh, C.G.	Dr. Kapil Kumar	4.13 Lakhs
7.	Compliance Audit for Fly Ash	August 2023 to March 2024	ADPL, Updupi, Karnataka	Dr. Kapil Kumar	4.13 Lakhs
8.	Compliance Audit for Fly Ash	August 2023 to March 2024	ADPL, Mundra Gujarat	Dr. Kapil Kumar	4.13 Lakhs
9.	Compliance Audit for Fly Ash	August 2023 to March 2024	ADPL, Raipur, C.G.	Dr. Kapil Kumar	4.13 Lakhs
10.	Compliance Audit for Fly Ash	October 2023 to November 2023	JSW Energy Barmer Ltd.	Dr. Kapil Kumar	2.95 Lakhs
11.	Compliance Audit for Fly Ash	September 2023 to March 2024	Sarda Energy& Minerals, Ltd, Raipur	Dr. Kapil Kumar	2.95 Lakhs
12.	Compliance Audit for Fly Ash	09 September 2023 to 15 November 2023	NTPC, Barauni, Bihar	Dr. Kapil Kumar	1.1564 Lakhs
13.	Compliance Audit for Fly Ash	October 2023 to December 2023	SGTPS, Birsinghpur, M.P.	Dr. Kapil Kumar	1.947 Lakhs
14.	Adequacy Report for 75 KLD STP	July 2023 to December 2023	Aplinka Solutions Pvt. Ltd Noida	Dr. Kapil Kumar	0.236 Lakhs
15.	Appraisal of DPR for I&D and STP of Barahiya Nagar Panchayat, Bihar under NamamiGange Programme	November 2023 to March 2024	NMCG (National Mission for Clean Ganga)	Dr. Kapil Kumar	1.77 Lakhs
16.	Appraisal for DPR for installation of CCTV Cameras for surveillance and monitoring of 50 STP Plants in Ganga Basin under NamamiGange Programme	December 2023 to March 2024	NMCG (National Mission for Clean Ganga)	Dr. Kapil Kumar	1.77 Lakhs
17.	Appraisal of DPR for "New STP at Laxmi Nagar (Trans Yamuna) Mathura, Uttar Pradesh under Namami Gange Programme	December 2023 to March 2024	NMCG (National Mission for Clean Ganga)	Dr. Kapil Kumar	2.36 Lakhs
18.	Compliance Audit for Fly Ash	March 2024	RCCPL Pvt. Ltd.; Satna, Madhya Pradesh	Dr. Kapil Kumar	5.782 Lakhs
19.	Compliance Audit for Fly Ash	March 2024	Birla CorpPvt. Ltd.; Satna, Madhya Pradesh	Dr. Kapil Kumar	5.782 Lakhs
20.	Testing of construction materials	February-March 2024	CPWD Delhi	Dr. Ajay Kumar	5.0 lakh
21.	Structural Design drawing and its vetting	March 2024	CPWD,JOKA	Dr. Ajay Kumar	82600
22.	Vetting of structure	July 2023	OMVIR SINGH	Dr. Ajay Kumar	274940
23.	Vetting of structure	Feb.2024	V.SATHYAMOORTHY & CO.	Dr. Ajay Kumar	655254
24.	Vetting of structures	Dec.2023	BIKANERVALA FOODS PRIVATE LIMITED	Dr. Ajay Kumar	1062000

25.	Design of structural drawings and its vetting	January 2024	CPWD,SHILLONG	Dr. Ajay Kumar	206500

7. Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Organized in 2023-2024:

S. No.	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Coordinator/ Convener/ Chairman
1.	Educational Talk by Dr. Bijandra Kumar	Educational Talk	Civil Dept., NIT Delhi	24.11.2023	Dr. Kapil Kumar
2.	Expert Talk by Dr. Abid Ali Khan, Jamia Milia Islamia on "Recent Development in Water and Wastewater Treatment System"	Expert Lecture	Civil Dept., NIT Delhi	25.01.2024	Dr. Kapil Kumar
3.	Expert Talk by Dr. Naresh Kumar, Assistant Professor, Wageningen University, Netherlands on "Uncover new opportunity on international exchange programme"	Expert Lecture	Civil Dept., NIT Delhi	12.05.2023	Dr. Kapil Kumar
4.	Seminar by Mr. Achyut Mohan Sharma on "Careers in the Corporate World"	Seminar	Civil Dept., NIT Delhi	24.05.2023	Dr. Kapil Kumar
5.	Interactive Session with Prof. Sandeep Kumar, Old Dominion University, USA	Interactive Session	Civil Dept., NIT Delhi	31.07.2023	Dr. Kapil Kumar
6.	Expert Talk on Sustainable Road Construction by Dr. Siksha Swaroopa Kar, Principal Scientist, CSIR-Central Road Research Institute, Mathura Road, New Delhi	Expert Talk	Civil Dept., NIT Delhi	30.10.2023	Dr. Ajay Kumar
7.	Expert Talk by Prof. Bijendra Kumar,Elizabeth State University, USA on "Nanocatalyst for Hydrogen Production"	Expert Talk	Civil Dept., NIT Delhi	24.11.2023	Dr. Kapil Kumar

8. Workshops/ Short-term Courses/ Seminars/ Lectures/ FDP/ Conference Attended in 2022-2023:

S. No.	Workshop/Short-term Courses/ Seminars/ Lectures	Name of the Event	Organized By	Duration	Faculty Attended by
NIL					

9. Expert Lecture Delivered by Departmental Faculty in 2023-2024:

S. No.	Title of the Expert Talk	Name of the Event	Organized By	Duration	Faculty Delivered Expert Talk
1.	Computational Methods in Civil Engineering	Computational Methods in Civil Engineering	SRM University, Sonepat	April 10, 2024	Dr Ajay Kumar

10. Journal Publications by the Departmental Faculty in 2023-2024:

S.No	Name of the Authors	Title of the paper	Name of the Journal	Volume	Page number	Month and Year of Publication
1.	Baleeswariah Muchharla, Moumita Dikshit, Ujjwal Pokharel, Ravindranath Garimella, Adetayo Adedeji, Kapil Kumar....., Sandeep Kumar, Bijandra Kumar	Reduced metal nanocatalysts for selective electrochemical hydrogenation of biomass-derived 5-(hydroxymethyl) furfural to 2, 5-bis(hydroxymethyl) furan in ambient conditions.	Frontiers in Chemistry	11	1200469	June 2023
2.	Karuna Singh, Naresh Kumar, Asheesh Kumar Yadav, Rahul Singh, Kapil Kumar	Per-and polyfluoroalkyl substances (PFAS) as a health hazard: Current state of knowledge and strategies in environmental settings across Asia and future perspectives	Chemical Engineering Journal	473	145064	November 2023
3.	Jitendra Singh, Ajay Kumar	Vibration and Buckling Response of Functionally Graded Plates using Refined Hyperbolic Shear Deformation Theory	Mechanics of Composite Materials	59	725-742	2023
4.	Anil Kumar Gupta, Ajay Kumar	Buckling Analysis of Porous Functionally Graded Plates.	Engineering, Technology and Applied Science Research	13	10901- 10905	2023
5.	Anil Kumar Gupta, Ajay Kumar	Buckling Behavior of a Functionally Graded Sandwich Plate	Engineering, Technology and Applied Science	13	11355- 11359	2023
6.	Prashant Kumar, Ajay Kumar	Free Vibration Analysis of Steel-Concrete Pervious Beams	Engineering, Technology and Applied Science	13	10843–10848	2023

7.	Arun Kumar Parashar, Ajay Kumar, Prakash Singh, Nakul Gupta.	Study on the mechanical properties of GGBS-based geopolymer concrete with steel fiber by cluster and regression analysis.	Asian Journal of Civil Engineering	25	2679-2686	2023
8.	Arun Kumar Parashar, Ajay Kumar, Nakul Gupta, Kuldeep K Saxena, Naveenkrishna Alla, Rakesh Chandrashekar, Vinayak Malik, Dilsora Abduvalieva.	Regression and Cluster Analysis of GGBS based geopolymer composite at different proportion of Ceramic Dust.	Indian Journal of Engineering & Materials Sciences	30	747-756	2023

11. Conference Papers Presented by the Departmental Faculty in 2023-2024:

S.No	Name of the Authors	Title of the paper	Name of the Conference	Place and Country where the Conference Held	Organizer of the Conference	Date of Presentation
1.	Prashant Kumar, Sanjay Kumar, Ajay Kumar and Abhishek Saxena	Bending analysis of two-layered simply supported composite beam under uniformly distributed load	Computational Intelligence in Communications, and Business Analytics (CICBA-2024) CICBA-2024	Patna, India	NIT Patna	23.01.2024

12. Student's Thesis/ Project Guidance in 2023-2024:

PhD Students:

S. No.	Roll No.	Name of Student	Date of Defense	Joint Supervision (if any)	Title of Dissertation
1	185CE24	Ravi Kumar	23.01.2024	NIL	Analysis of CNT-reinforced multiscale FG plate
2.	195CE21	JitendraPratap Singh	22.03.2024	NIL	Numerical Analysis of MWCNT Reinforced Laminated Composite and FGM Plate
3.	185CE35	Raushan Kumar	22.03.2024	NIL	Flexural, Vibration and Buckling Analysis of Laminated Composite Porous Plate
4.	195CE13	Anil Kumar Gupta	30.08.2024	Cosupervisor	Numerical Analysis of FGM Plate with Novel Theory

B.Tech(2019-2023)			
S. No	**Roll No.**	**Name**	**Branch**
1	191210001	ABEL SHERIN UKKEN	Computer Science and Engineering
2	191210002	ABHINAV SHARMA	Computer Science and Engineering
3	191210003	ABHISHEK RATHOUR	Computer Science and Engineering
4	191210004	ABHISHEK DUBEY	Computer Science and Engineering
5	191210005	AHARNISH K S	Computer Science and Engineering
6	191210006	AJAY KUMAR MEENA	Computer Science and Engineering
7	191210007	AKASH KUMAR	Computer Science and Engineering
8	191210008	ANJESH NARWAL	Computer Science and Engineering
9	191210009	ANKIT KUMAR YADAV	Computer Science and Engineering
10	191210010	ANSH KUMAR	Computer Science and Engineering
11	191210011	ANURAG SONI	Computer Science and Engineering
12	191210012	ARPIT GOYAL	Computer Science and Engineering
13	191210013	ARUSHI JAISWAL	Computer Science and Engineering
14	191210014	ARYAN GUPTA	Computer Science and Engineering
15	191210015	BAMANG MEKHA	Computer Science and Engineering
16	191210016	BHAWARE HIMANSHU	Computer Science and Engineering
17	191210019	DIVYANSHU BOSE	Computer Science and Engineering
18	191210020	GARIMA SINGH	Computer Science and Engineering
19	191210021	GARVIT KHURANA	Computer Science and Engineering
20	191210022	GURLEEN SIDHU	Computer Science and Engineering
21	191210023	HANIYA ZAHRA RAZAVI	Computer Science and Engineering
22	191210024	JAIVARDHAN SINGH CHAUDHARY	Computer Science and Engineering
23	191210025	JEREMY JOSEPH ABRAHAM	Computer Science and Engineering
24	191210027	MANDALAPU SIVARAM	Computer Science and Engineering
25	191210028	PONNAGANTI JAI VENKATA MANIKANTA	Computer Science and Engineering
26	191210029	MOHAMMAD SHAHANWAZ	Computer Science and Engineering
27	191210030	MOHIT KUMAR	Computer Science and Engineering
28	191210031	MOHAMMAD TABISH SHAMIM	Computer Science and Engineering
29	191210032	NAVNEET SINGH	Computer Science and Engineering
30	191210033	NEHAL SHARAN	Computer Science and Engineering
31	191210034	PALAK AGRAWAL	Computer Science and Engineering
32	191210035	PRAKHAR BHARADWAJ	Computer Science and Engineering
33	191210036	PRASHANT NAMDEV BORKAR	Computer Science and Engineering
34	191210037	PREM KUMAR	Computer Science and Engineering
35	191210038	PRINCE KUMAR	Computer Science and Engineering
36	191210039	RAGESH GUPTA	Computer Science and Engineering

37	191210040	RAJKUMAR DHAKAR	Computer Science and Engineering
38	191210041	RAVI CHANDRA SHAH	Computer Science and Engineering
39	191210042	RAVI GURJAR	Computer Science and Engineering
40	191210043	RITIK MEHNDIRATTA	Computer Science and Engineering
41	191210044	SAAD MOHAMMED	Computer Science and Engineering
42	191210045	SAJJA BHAVYESH	Computer Science and Engineering
43	191210046	SAKSHI GARG	Computer Science and Engineering
44	191210047	SAMRIDHI THAKUR	Computer Science and Engineering
45	191210048	SHLOK KUMAR AGARWAL	Computer Science and Engineering
46	191210049	SHRUTI GUPTA	Computer Science and Engineering
47	191210050	SUPRIYA BAUDDH	Computer Science and Engineering
48	191210051	UDIT KUMAR	Computer Science and Engineering
49	191210052	UDIT SINGLA	Computer Science and Engineering
50	191210053	VADLAMUDI NEEL VITTAL BHARATH	Computer Science and Engineering
51	191210054	VAIBHAV VERMA	Computer Science and Engineering
52	191210055	VALLAM VENKATA SAI KALYAN	Computer Science and Engineering
53	191210056	VARANASI V VAISHNAV KRISHNA	Computer Science and Engineering
54	191210057	VIDUSHI TIWARI	Computer Science and Engineering
55	191210058	VIKRANT KAPASIA	Computer Science and Engineering
56	191210059	VINAY CHOUDHARY	Computer Science and Engineering
57	191210060	VINAY JAISWAL	Computer Science and Engineering
58	191210061	VINAYAK CHACHRA	Computer Science and Engineering
59	191210062	YASH CHAUHAN	Computer Science and Engineering
60	191210063	KAVYA GUPTA	Computer Science and Engineering
61	191220020	GOURAV BANSAL	Computer Science and Engineering
62	191220030	KISHAN SRIVASTAVA	Computer Science and Engineering
63	191220051	VARDAN AGARWAL	Computer Science and Engineering
64	191220001	ABHISHEK ANAND	Electronics and Communication Engineering
65	191220002	ABHISHEK KUMAR	Electronics and Communication Engineering
66	191220003	AISHWARY KUSHWAHA	Electronics and Communication Engineering
67	191220004	AKASH SHARMA	Electronics and Communication Engineering
68	191220005	AKASH SIKARWAR	Electronics and Communication Engineering
69	191220006	AKHILESH KUMAR	Electronics and Communication Engineering
70	191220007	AKSHAT JAISWAL	Electronics and Communication Engineering
71	191220008	AKSHIT CHAND	Electronics and Communication Engineering
72	191220009	AMAN SURI	Electronics and Communication Engineering
73	191220010	AMRESH DUBEY	Electronics and Communication Engineering
74	191220011	ANANT ATRAY	Electronics and Communication Engineering

75	191220012	ANUJ KUMAR SINGH	Electronics and Communication Engineering
76	191220013	ANWESHA BISWAL	Electronics and Communication Engineering
77	191220015	AYUSH TIWARI	Electronics and Communication Engineering
78	191220016	AYUSH YADAV	Electronics and Communication Engineering
79	191220017	BANDARU AKSHAYA	Electronics and Communication Engineering
80	191220018	DASARI KRANTHI VENKAT	Electronics and Communication Engineering
81	191220019	DEEPTI SHAKYA	Electronics and Communication Engineering
82	191220021	GOVIND VARSHNEY	Electronics and Communication Engineering
83	191220022	GURPREET KAUR	Electronics and Communication Engineering
84	191220023	HARI KISHAN	Electronics and Communication Engineering
85	191220024	I TEJASHWINI	Electronics and Communication Engineering
86	191220025	INDER SINGH	Electronics and Communication Engineering
87	191220026	JAY PRAKASH KUMAR	Electronics and Communication Engineering
88	191220027	KARTIK KHARBANDA	Electronics and Communication Engineering
89	191220029	KHUSHBOO MEHTA	Electronics and Communication Engineering
90	191220031	KUNAL KEJRIWAL	Electronics and Communication Engineering
91	191220032	KURRE AJAY KUMAR	Electronics and Communication Engineering
92	191220034	MOHAMMAD SAAIM	Electronics and Communication Engineering
93	191220035	NITISH KUMAR	Electronics and Communication Engineering
94	191220036	OWAIS SALIM	Electronics and Communication Engineering
95	191220037	PRAVEEN KUMAR	Electronics and Communication Engineering
96	191220038	RAHUL SAINI	Electronics and Communication Engineering
97	191220039	RAJPUT SHIVAM ASHOKSINGH	Electronics and Communication Engineering
98	191220040	RISHABH SINGH	Electronics and Communication Engineering
99	191220041	MHAISKAR RUTUJA VINOD	Electronics and Communication Engineering
100	191220042	SAGAR KUMAR SAHOO	Electronics and Communication Engineering
101	191220043	SHILPI KUMARI	Electronics and Communication Engineering
102	191220044	SIDDHARTHA KUMAR	Electronics and Communication Engineering
103	191220045	SOURABH MALVI	Electronics and Communication Engineering
104	191220046	SUDHEER YADAV	Electronics and Communication Engineering
105	191220047	TSEWANG RIGZIN	Electronics and Communication Engineering
106	191220048	TUSHAR KUMAR	Electronics and Communication Engineering
107	191220049	UDAY SINGH MATTA	Electronics and Communication Engineering
108	191220050	UDAYAN LARJE	Electronics and Communication Engineering
109	191220052	VISHNU KUMAR	Electronics and Communication Engineering
110	191220053	YENDUVA YOGESWARI	Electronics and Communication Engineering
111	191220054	RAYAN MAHFOOZ	Electronics and Communication Engineering
112	181230021	K KIRAN BABU	Electrical and Electronics Engineering

113	191230001	ARUSHI JAIN	Electrical and Electronics Engineering
114	191230002	AARYAMAN DADWAL	Electrical and Electronics Engineering
115	191230003	ABNISH ARYA	Electrical and Electronics Engineering
116	191230004	ADARSH PATEL	Electrical and Electronics Engineering
117	191230005	AJEYA SHARMA	Electrical and Electronics Engineering
118	191230006	AKSHAT AGARWAL	Electrical and Electronics Engineering
119	191230007	AKSHITA	Electrical and Electronics Engineering
120	191230010	ANIL THORI	Electrical and Electronics Engineering
121	191230011	ANKUR KUMAR	Electrical and Electronics Engineering
122	191230012	ANURAG KUMAR	Electrical and Electronics Engineering
123	191230013	APOORV KAUTILYA	Electrical and Electronics Engineering
124	191230014	ARJUN SINGH	Electrical and Electronics Engineering
125	191230015	ASHISH KUMAR	Electrical and Electronics Engineering
126	191230016	ASHISH SINGHAL	Electrical and Electronics Engineering
127	191230017	ATUL MISHRA	Electrical and Electronics Engineering
128	191230018	BHUKYA SUCHITHA	Electrical and Electronics Engineering
129	191230019	DEVYANI SINGH	Electrical and Electronics Engineering
130	191230020	EVA GUGLANI	Electrical and Electronics Engineering
131	191230021	GAURAV KUMAR	Electrical and Electronics Engineering
132	191230022	HARDIK SACHAN	Electrical and Electronics Engineering
133	191230023	HARSHIT MISHRA	Electrical and Electronics Engineering
134	191230024	HRITIK GUPTA	Electrical and Electronics Engineering
135	191230025	ISHIKA RAJ	Electrical and Electronics Engineering
136	191230026	KANISHKA JAISWAL	Electrical and Electronics Engineering
137	191230027	KUMARI SUSHMA	Electrical and Electronics Engineering
138	191230028	MADIRAJU VENKATA SUBRAMANYA MAHESH	Electrical and Electronics Engineering
139	191230029	MANAS KANAUJIA	Electrical and Electronics Engineering
140	191230030	MANISH KUMAR MEENA	Electrical and Electronics Engineering
141	191230031	MEHUL GOEL	Electrical and Electronics Engineering
142	191230032	PRAFFUL KUMAR	Electrical and Electronics Engineering
143	191230034	PRAVALLIKA LALAM	Electrical and Electronics Engineering
144	191230035	PULKIT KHURANA	Electrical and Electronics Engineering
145	191230036	RAHUL MEENA	Electrical and Electronics Engineering
146	191230037	Rajat Kumar Singh	Electrical and Electronics Engineering
147	191230039	REDDICHERLA JOHN VARUN KUMAR	Electrical and Electronics Engineering
148	191230040	SAMARPIT KARAR	Electrical and Electronics Engineering
149	191230041	SAMEER KUMAR	Electrical and Electronics Engineering

150	191230042	SARMAD KAIF	Electrical and Electronics Engineering
151	191230043	SAURABH KUMAR	Electrical and Electronics Engineering
152	191230044	SAURABH YADAV	Electrical and Electronics Engineering
153	191230045	SHIVAM KUMAR	Electrical and Electronics Engineering
154	191230046	SHUBHAM BANSAL	Electrical and Electronics Engineering
155	191230047	SHUBHI SINGH	Electrical and Electronics Engineering
156	191230048	SUYASH AGARWAL	Electrical and Electronics Engineering
157	191230049	THAKUR ADITYA SINGH	Electrical and Electronics Engineering
158	191230050	TUSHAR GUPTA	Electrical and Electronics Engineering
159	191230051	TUSHAR KHITOLIYA	Electrical and Electronics Engineering
160	191230052	TUSHAR RAJ	Electrical and Electronics Engineering
161	191230053	VACHNARAM	Electrical and Electronics Engineering
162	191230054	VIKRAM KUMAR VERMA	Electrical and Electronics Engineering
163	191230055	VRITIKA CHAUDHARY	Electrical and Electronics Engineering

M.Tech(2021-2023)

S. No	Roll No.	Name	Specialization
1	212220001	ABHISHEK MAZUMDER	ELECTRONICS AND COMMUNICATION ENGINEERING
2	212220003	KRITIKA UPADHYAY	ELECTRONICS AND COMMUNICATION ENGINEERING
3	212220004	MEDHA SINGH	ELECTRONICS AND COMMUNICATION ENGINEERING
4	212220005	NIKITA	ELECTRONICS AND COMMUNICATION ENGINEERING
5	212220006	PAREPALLI LIKHITHA SAVERI	ELECTRONICS AND COMMUNICATION ENGINEERING
6	212220007	PRABHAT KUMAR SONI	ELECTRONICS AND COMMUNICATION ENGINEERING
7	212221001	ABHISHEK BEHERA	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
8	212221002	ABHISHEK KUMAR YADAV	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
9	212221003	INDRAVIJAY KUMAR	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
10	212221004	JIGNESH KOKKILIGADDA	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
11	212221005	KANISHKA KHANDELWAL	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
12	212221007	NAVEEN PATHAK	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
13	212221008	OMNIK CHANDRAKANT MAURYA	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
14	212221009	PRAMOD KUMAR GAUTAM	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
15	212221011	SAJAN BEHERA	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
16	212221014	SWATANTRATA SHUKLA	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)

17	212221015	RAJAT MISHRA	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
18	212221016	GOVIND MISHRA	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
19	212221017	SURYAPRATAP RATHORE	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
20	212221018	SUMIT BISHT	ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI)
21	212211001	AAYUSH KUMAR	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
22	212211005	GARIMA AGRAWAL	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
23	212211006	MANTU KUMAR	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
24	212211007	NAMAN DATTA	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
25	212211008	PANDLA BALAKRISHNA VIJAY KUMAR	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
26	212211009	PANKAJ KUMAR	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
27	212211010	PAWAN KUMAR	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
28	212211011	PAWAN YADAV	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
29	212211012	PRABHAT PUSHP	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
30	212211013	PRIYANSH JAIN	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
31	212211015	SHAILY GARG	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
32	212211016	SIDDHANT BEHERA	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
33	212211017	UMESH MAROTI RAMLOD	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
34	212211018	ANUPAMA SINGH	COMPUTER SCIENCE AND ENGINEERING(ANALYTICS)
35	212231004	KARUNESH MISHRA	ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELCTRONICS AND DRIVES)
36	212231005	NAGA SURYA KIRAN RAYAVARAPU	ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELCTRONICS AND DRIVES)
37	212231007	RAHUL KUMAR	ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELCTRONICS AND DRIVES)
38	212231008	RITESH SINGH	ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELCTRONICS AND DRIVES)
39	212231009	SAMEER CHANDRA ADITYA DEVARA	ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELCTRONICS AND DRIVES)
40	212231010	SAMRAT SAGARDEEP GHOSH	ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELCTRONICS AND DRIVES)
41	212231011	SANJEEV KUMAR	ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELCTRONICS AND DRIVES)
42	212231012	SHIVAM BHARTI	ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELCTRONICS AND DRIVES)
43	212231016	DEEPANSHU SINGH	ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELCTRONICS AND DRIVES)
44	212231018	TANDASA HARI SANKAR	ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELCTRONICS AND DRIVES)
45	212311001	AASHISH PATEL	MECHANICAL ENGINEERING(CAD/CAM)
46	212311003	ANKIT GUPTA	MECHANICAL ENGINEERING(CAD/CAM)

47	212311004	KHUSHBOO SINHA	MECHANICAL ENGINEERING(CAD/CAM)
48	212311005	MANISH KUMAR PATEL	MECHANICAL ENGINEERING(CAD/CAM)
49	212311006	NEHA CHHATWANI	MECHANICAL ENGINEERING(CAD/CAM)
50	212311007	NISHA MISHRA	MECHANICAL ENGINEERING(CAD/CAM)
51	212311008	PRASHANT	MECHANICAL ENGINEERING(CAD/CAM)
52	212311009	SHUBHAM PATEL	MECHANICAL ENGINEERING(CAD/CAM)
53	212311010	SHUBHAM SHRIVASTAVA	MECHANICAL ENGINEERING(CAD/CAM)
54	212311011	RAHUL KUMAR VISHWAKARMA	MECHANICAL ENGINEERING(CAD/CAM)

B.Tech(2020-2024)			
S. No	**Roll No.**	**Name**	**Branch**
1	201210001	AADHAR KUMAR	Computer Science and Engineering
2	201210002	AARYA JHA	Computer Science and Engineering
3	201210003	ABHISHEK YADAV	Computer Science and Engineering
4	201210004	ADITYA SINGH	Computer Science and Engineering
5	201210005	ANAVI SOMANI	Computer Science and Engineering
6	201210006	ANIL KUMAR	Computer Science and Engineering
7	201210007	ANKIT KUMAR CHOUDHARY	Computer Science and Engineering
8	201210008	ANKIT SHARMA	Computer Science and Engineering
9	201210009	ARYAN KASHYAP	Computer Science and Engineering
10	201210010	ARYAN SRIVASTAVA	Computer Science and Engineering
11	201210011	ATUL GOYAL	Computer Science and Engineering
12	201210012	AYUSHI ARYA	Computer Science and Engineering
13	201210013	CHIKKUDU CHARAN TEJA	Computer Science and Engineering
14	201210014	DEEPAK SHARMA	Computer Science and Engineering
15	201210015	DHARAVATH ROHITH	Computer Science and Engineering
16	201210016	DIVYAM DUBEY	Computer Science and Engineering
17	201210019	GANTA SOWMYA KRANTHI	Computer Science and Engineering
18	201210020	GONTHUPULI SYAMJI	Computer Science and Engineering
19	201210022	HIMANSHU JAIN	Computer Science and Engineering
20	201210023	HIMANSHU VERMA	Computer Science and Engineering
21	201210025	KALASH SINGHAL	Computer Science and Engineering
22	201210026	KATI KALYANI	Computer Science and Engineering
23	201210027	KISHAN KUMAR	Computer Science and Engineering
24	201210028	MANAS KHANTAL	Computer Science and Engineering
25	201210029	MOHAMMED SHADAB AGWAN	Computer Science and Engineering
26	201210030	MOHIT KUMAR	Computer Science and Engineering
27	201210031	MONISHA GAUTAM	Computer Science and Engineering

28	201210032	ORUGANTI BHARGHAVA NARASIMHA	Computer Science and Engineering
29	201210033	PALAK TALWAR	Computer Science and Engineering
30	201210034	PRIYANKA SEHRA	Computer Science and Engineering
31	201210035	RACHIT AGRAWAL	Computer Science and Engineering
32	201210036	RIHA SANJAY KOKODE	Computer Science and Engineering
33	201210037	ROHIT SINGH RAJPOOT	Computer Science and Engineering
34	201210038	RONALD MAHARABAM	Computer Science and Engineering
35	201210039	SAMANDEEP SINGH	Computer Science and Engineering
36	201210040	SAURAV KUMAR	Computer Science and Engineering
37	201210041	SHREY KUMAR PRAJAPATI	Computer Science and Engineering
38	201210042	SHREYA	Computer Science and Engineering
39	201210043	SHRIANSH MANHAS	Computer Science and Engineering
40	201210045	SIDHARTH BHATLA	Computer Science and Engineering
41	201210046	SIMHADRI SUKEERTHI	Computer Science and Engineering
42	201210047	SOUMAY AGRAWAL	Computer Science and Engineering
43	201210048	SOURABH GARG	Computer Science and Engineering
44	201210049	SUBODH KUMAR	Computer Science and Engineering
45	201210050	TUSHAR AGARWAL	Computer Science and Engineering
46	201210051	UMANG KUMAR	Computer Science and Engineering
47	201210052	VAIBHAV	Computer Science and Engineering
48	201210053	VAIBHAV YADAV	Computer Science and Engineering
49	201210054	VEDANT VASU GUPTA	Computer Science and Engineering
50	201210055	VISHAL SINGH	Computer Science and Engineering
51	201220039	SANSKAR KUMAR	Computer Science and Engineering
52	201230021	KAUSHIKI SHUKLA	Computer Science and Engineering
53	201230045	SHWETA	Computer Science and Engineering
54	201220001	AAKANSHA KUMAR	Electronics and Communication Engineering
55	201220003	ABHISHEK YADAV	Electronics and Communication Engineering
56	201220004	ADHIRAJ CHOUDHARY	Electronics and Communication Engineering
57	201220005	AKSHIT AGGARWAL	Electronics and Communication Engineering
58	201220006	AMAN KUMAR GUPTA	Electronics and Communication Engineering
59	201220007	ANIKET	Electronics and Communication Engineering
60	201220008	ANURAG SONI	Electronics and Communication Engineering
61	201220010	AYUSH KUMAR DOKANIA	Electronics and Communication Engineering
62	201220011	AYUSH SHUKLA	Electronics and Communication Engineering
63	201220012	BHAVTOSH SHARMA	Electronics and Communication Engineering
64	201220013	CHEEKATI HEMASRI	Electronics and Communication Engineering
65	201220014	CHETAMONI TEJASWI	Electronics and Communication Engineering

66	201220015	CHINMAYA PRAKASH MAHAPATRA	Electronics and Communication Engineering
67	201220017	DEEPAK GUPTA	Electronics and Communication Engineering
68	201220018	DHRUMIL	Electronics and Communication Engineering
69	201220019	DULIPALA RAMANI	Electronics and Communication Engineering
70	201220020	EKANSHI PAL	Electronics and Communication Engineering
71	201220021	EMMANUEL RAHKOYO SIILE	Electronics and Communication Engineering
72	201220022	JATHOD HANUMANTH NAYAK	Electronics and Communication Engineering
73	201220024	KUNAL GOSWAMI	Electronics and Communication Engineering
74	201220025	KURUVA PRAVEEN KUMAR	Electronics and Communication Engineering
75	201220026	MANAN JAIN	Electronics and Communication Engineering
76	201220027	MENIKA KARKI	Electronics and Communication Engineering
77	201220028	MOHAK GOEL	Electronics and Communication Engineering
78	201220029	MOHIT MEENA	Electronics and Communication Engineering
79	201220030	MOTHE RISHI	Electronics and Communication Engineering
80	201220031	NIKHIL KADIYAN	Electronics and Communication Engineering
81	201220032	PARAG KUMAR PRASAD	Electronics and Communication Engineering
82	201220033	PRATIK BABU MUNDHE	Electronics and Communication Engineering
83	201220034	PRATIK PARIHAR	Electronics and Communication Engineering
84	201220035	PRIYANSHU AGRAWAL	Electronics and Communication Engineering
85	201220036	RAKSHIT SINGH	Electronics and Communication Engineering
86	201220037	ROHIT KUMAR	Electronics and Communication Engineering
87	201220038	SANSKAR JAIN	Electronics and Communication Engineering
88	201220040	SHASHANK SHARMA	Electronics and Communication Engineering
89	201220041	SHAURYA VERMA	Electronics and Communication Engineering
90	201220043	SONAM YANGDOL	Electronics and Communication Engineering
91	201220044	SUDHANSHU JHA	Electronics and Communication Engineering
92	201220045	SUJAL	Electronics and Communication Engineering
93	201220046	SUPREET SINGH	Electronics and Communication Engineering
94	201220047	SWANT ARYA	Electronics and Communication Engineering
95	201220048	SWATI GAUTAM	Electronics and Communication Engineering
96	201220049	TANISHQ NIRMAL	Electronics and Communication Engineering
97	201220052	UMIKA AGGARWAL	Electronics and Communication Engineering
98	201220053	UTSAV KUMAR	Electronics and Communication Engineering
99	201220054	VALASA SHASHANK SAI	Electronics and Communication Engineering
100	201220055	VIPASHA THAKUR	Electronics and Communication Engineering
101	201230039	SATYAJEET ROUT	Electronics and Communication Engineering
102	201230001	ADARSH VERMA	Electrical and Electronics Engineering
103	201230002	ADITYA RAJ	Electrical and Electronics Engineering

104	201230003	AMARJEET	Electrical and Electronics Engineering
105	201230004	AMIT KUMAR	Electrical and Electronics Engineering
106	201230005	ANJALI JAIN	Electrical and Electronics Engineering
107	201230006	ANKIT KUMAR	Electrical and Electronics Engineering
108	201230010	DARSHINI BHAV PRIYA TONGBRAM	Electrical and Electronics Engineering
109	201230011	DEVANG YADAV	Electrical and Electronics Engineering
110	201230012	HARSH CHAUDHARY	Electrical and Electronics Engineering
111	201230014	HARSHIT RAJ	Electrical and Electronics Engineering
112	201230015	HITESH DESWAL	Electrical and Electronics Engineering
113	201230016	HRITIKA DEV	Electrical and Electronics Engineering
114	201230017	ISHAAN KUMAR	Electrical and Electronics Engineering
115	201230019	JAY KISHAN	Electrical and Electronics Engineering
116	201230020	KARAN VARSHNEY	Electrical and Electronics Engineering
117	201230025	NIKHIL RAJ	Electrical and Electronics Engineering
118	201230026	NIKUNJ GOYAL	Electrical and Electronics Engineering
119	201230027	NISHANT KUMAR	Electrical and Electronics Engineering
120	201230028	PARVESH	Electrical and Electronics Engineering
121	201230029	PIYUSH KUMAR	Electrical and Electronics Engineering
122	201230031	PRAKHAR SETH	Electrical and Electronics Engineering
123	201230032	PRASHANT SINGH	Electrical and Electronics Engineering
124	201230033	PRATICHI VASHISHTHA	Electrical and Electronics Engineering
125	201230034	RAJEEV KUMAR CHAUDHARY	Electrical and Electronics Engineering
126	201230035	RAJENDRA CHARAN	Electrical and Electronics Engineering
127	201230036	RATHLAWATH SAIKUMAR	Electrical and Electronics Engineering
128	201230037	REENA BAI MEENA	Electrical and Electronics Engineering
129	201230038	RITURAJ KUMAVAT	Electrical and Electronics Engineering
130	201230040	SAUMYA JHA	Electrical and Electronics Engineering
131	201230042	SHIVAM	Electrical and Electronics Engineering
132	201230043	SHIVAM GUPTA	Electrical and Electronics Engineering
133	201230044	SHIVIN MEHTA	Electrical and Electronics Engineering
134	201230046	SURBEEN	Electrical and Electronics Engineering
135	201230047	UDIT NAMBIAR	Electrical and Electronics Engineering
136	201230048	VAISHNV RAJU	Electrical and Electronics Engineering
137	201230049	VIKRANT KUMAR	Electrical and Electronics Engineering
138	201230050	YUKTA RANA	Electrical and Electronics Engineering

M.Tech(2022-24)			
S. No	**Roll No.**	**Name**	**Specialization**
1	222210001	ANKITA HORA	Computer Science and Engineering
2	222210002	ANUJ KUMAR	Computer Science and Engineering
3	222210003	ANUPAMA MINJ	Computer Science and Engineering
4	222210004	ARPAN KUMARI	Computer Science and Engineering
5	222210005	DEEPIKA	Computer Science and Engineering
6	222210007	JAISHREE GOYAL	Computer Science and Engineering
7	222210008	JIGNISABEN VITHTHALBHAI VASAVA	Computer Science and Engineering
8	222210009	MALAY KUMAR	Computer Science and Engineering
9	222210010	MD SOHRAB AKHTAR EMAM	Computer Science and Engineering
10	222210011	NAVNEET SINHA	Computer Science and Engineering
11	222210012	NEETU	Computer Science and Engineering
12	222210013	PRERNA MISHRA	Computer Science and Engineering
13	222210015	SAGAR CHAUHAN	Computer Science and Engineering
14	222210016	SHUBHAM RASTOGI	Computer Science and Engineering
15	222210017	SUMAN KUMARI	Computer Science and Engineering
16	222210018	SUNNY KUMAR	Computer Science and Engineering
17	222210019	SYED ALI HUSSAIN RIZVI	Computer Science and Engineering
18	222211001	ABHISHEK MAURYA	Computer Science and Engineering (Analytics)
19	222211002	ABHISHEK MISHRA	Computer Science and Engineering (Analytics)
20	222211003	ABHISHEK SINGH	Computer Science and Engineering (Analytics)
21	222211004	ABHYUDAY SRIVASTAVA	Computer Science and Engineering (Analytics)
22	222211005	ANSHUL SINGHAL	Computer Science and Engineering (Analytics)
23	222211007	ASIF NAZIR BHAT	Computer Science and Engineering (Analytics)
24	222211008	BHUMIKA NIRMOHI	Computer Science and Engineering (Analytics)
25	222211009	HARDIK BANSAL	Computer Science and Engineering (Analytics)
26	222211010	HARISH	Computer Science and Engineering (Analytics)
27	222211011	ROHIT	Computer Science and Engineering (Analytics)
28	222211012	SHUBHAM SAINI	Computer Science and Engineering (Analytics)
29	222211013	SWETA SAHA	Computer Science and Engineering (Analytics)
30	222211014	VISHESH KUMAR	Computer Science and Engineering (Analytics)
31	222211015	YOGESH YADAV	Computer Science and Engineering (Analytics)
32	222220001	AISHA VATSH	Electronics and Communication Engineering
33	222220002	KULDEEP DUTTA	Electronics and Communication Engineering
34	222220003	LALDINPUII COLNEY	Electronics and Communication Engineering
35	222220004	LINGAMPALLI VENKAT LAXMI SAIKANTH	Electronics and Communication Engineering

36	222220005	MAHAK JODWAL	Electronics and Communication Engineering
37	222220006	POONAM SHARMA	Electronics and Communication Engineering
38	222220007	PULAK GHOSHAL	Electronics and Communication Engineering
39	222220009	SHUBHAM RAJPUT	Electronics and Communication Engineering
40	222220010	VAIBHAV KUMAR RANJAN	Electronics and Communication Engineering
41	222220011	AHMAD RAZA	Electronics and Communication Engineering
42	222221001	AJAY SHARMA	Electronics and Communication Engineering(VLSI)
43	222221002	AKASH RAWAT	Electronics and Communication Engineering(VLSI)
44	222221003	AMBER DEEP PAKHARIA	Electronics and Communication Engineering(VLSI)
45	222221004	ANURAG SINGH	Electronics and Communication Engineering(VLSI)
46	222221005	ASHISH VERMA	Electronics and Communication Engineering(VLSI)
47	222221006	DIVYA KANOJIA	Electronics and Communication Engineering(VLSI)
48	222221007	GAURAV SINGH	Electronics and Communication Engineering(VLSI)
49	222221008	HARSHIT PANWAR	Electronics and Communication Engineering(VLSI)
50	222221009	JIMITESH CHOWDARY GUDURU	Electronics and Communication Engineering(VLSI)
51	222221010	KATTA SAITEJA	Electronics and Communication Engineering(VLSI)
52	222221011	KAUSHAMBI	Electronics and Communication Engineering(VLSI)
53	222221012	KIRAN KUMAR KUNA	Electronics and Communication Engineering(VLSI)
54	222221013	MOHD ANAS KHAN	Electronics and Communication Engineering(VLSI)
55	222221014	NAMPALLY SAI RUKMANGAD ROHIT	Electronics and Communication Engineering(VLSI)
56	222221015	NARENDER SINGH SHEKHAWAT	Electronics and Communication Engineering(VLSI)
57	222221016	NEMALI SAI KIRAN	Electronics and Communication Engineering(VLSI)
58	222221017	POOJA RAGHAV	Electronics and Communication Engineering(VLSI)
59	222221018	SAHIL SAURABH	Electronics and Communication Engineering(VLSI)
60	222221019	SITARAM KUMAR	Electronics and Communication Engineering(VLSI)
61	222221020	SONALIKA SINGH	Electronics and Communication Engineering(VLSI)
62	222221021	VISHWAJIT KUMAR	Electronics and Communication Engineering(VLSI)
63	222221022	YASH PATHAK	Electronics and Communication Engineering(VLSI)
64	222231001	ABHINN KUMAR	Electrical Engineering (Power Electronics and Drives)
65	222231002	ADARSH PANDEY	Electrical Engineering (Power Electronics and Drives)
66	222231003	AJAY SINGH	Electrical Engineering (Power Electronics and Drives)
67	222231004	ANIL KUMAR	Electrical Engineering (Power Electronics and Drives)
68	222231005	APARNA JHA	Electrical Engineering (Power Electronics and Drives)
69	222231006	DHIRAJ KUMAR JHA	Electrical Engineering (Power Electronics and Drives)
70	222231007	HRITIK GUNJAN	Electrical Engineering (Power Electronics and Drives)
71	222231008	JUHI KUMARI	Electrical Engineering (Power Electronics and Drives)
72	222231009	KRISHNA KUMAR MISHRA	Electrical Engineering (Power Electronics and Drives)
73	222231010	MANISH RAJ	Electrical Engineering (Power Electronics and Drives)

74	222231011	MASYOOD AHMAD	Electrical Engineering (Power Electronics and Drives)
75	222231012	NISHA	Electrical Engineering (Power Electronics and Drives)
76	222231013	PRABHAT RANJAN	Electrical Engineering (Power Electronics and Drives)
77	222231014	PRATIK SINHA	Electrical Engineering (Power Electronics and Drives)
78	222231015	PRINCE SINGH	Electrical Engineering (Power Electronics and Drives)
79	222231017	RAHUL KUMAR	Electrical Engineering (Power Electronics and Drives)
80	222231018	SUMIT KUMAR	Electrical Engineering (Power Electronics and Drives)
81	222311003	DHEERAJ CHAURASIA	Mechanical Engineering (CAD/CAM)
82	222311004	DINESH KUMAR	Mechanical Engineering (CAD/CAM)
83	222311005	MANISH KUMAR	Mechanical Engineering (CAD/CAM)
84	222311006	RAGHAV KUMAR MISHRA	Mechanical Engineering (CAD/CAM)
85	222311007	RAJAT KUMAR	Mechanical Engineering (CAD/CAM)
86	222311008	SAHIL JAGLAN	Mechanical Engineering (CAD/CAM)
87	222311009	SHARIQ ILYAS	Mechanical Engineering (CAD/CAM)
88	222311010	SIDDHARTH SINGH	Mechanical Engineering (CAD/CAM)
89	222311011	SIDHANT KUMAR	Mechanical Engineering (CAD/CAM)
90	222311012	MEKALA SURENDRA	Mechanical Engineering (CAD/CAM)
91	222311013	TEJAS SINGH	Mechanical Engineering (CAD/CAM)

B.Tech(2019-2023)

S.No	Roll. No	Name	Branch	MEDAL
1	191210045	SAJJA BHAVYESH	Computer Science and Engineering	President Gold Medal
2	191220043	SHILPI KUMARI	Electronics and Communication Engineering	Director Gold Medal
3	191230001	ARUSHI JAIN	Electrical and Electronics Engineering	Director Gold Medal
4	191210034	PALAK AGRAWAL	Computer Science and Engineering	Director Gold Medal
5	191230032	PRAFFUL KUMAR	Electrical and Electronics Engineering	Institute Silver Medal
6	191220036	OWAIS SALIM	Electronics and Communication Engineering	Institute Silver Medal
7	191220030	KISHAN SRIVASTAVA	Computer Science and Engineering	Institute Silver Medal
8	191220051	VARDAN AGARWAL	Computer Science and Engineering	Institute Silver Medal

M.Tech (2021-23)				
S.No	**Roll. No**	**Name**	**Specialization**	**MEDAL**
1	212231012	SHIVAM BHARTI	Electrical And Electronics Engineering (Power Electronics and Drives)	President Gold Medal
2	212211009	PANKAJ KUMAR	Computer Science and Engineering(Analytics)	Director Gold Medal
3	212211005	GARIMA AGRAWAL	Computer Science and Engineering(Analytics)	Institute Silver Medal
4	212231016	DEEPANSHU SINGH	Electrical And Electronics Engineering (Power Electronics and Drives)	Director Gold Medal
5	212220007	PRABHAT KUMAR SONI	Electronics And Communication Engineering	Director Gold Medal
6	212220003	KRITIKA UPADHYAY	Electronics And Communication Engineering	Institute Silver Medal
7	212221015	RAJAT MISHRA	Electronics And Communication Engineering (VLSI)	Director Gold Medal
8	212221001	ABHISHEK BEHERA	Electronics And Communication Engineering (VLSI)	Institute Silver Medal
9	212311007	NISHA MISHRA	Mechanical Engineering(CAD/ CAM)	Director Gold Medal

B.Tech (2020-2024)				
SR.NO.	**ROLL NO.**	**STUDENT NAME**	**MEDAL**	**BRANCH**
1	201230015	HITESH DESWAL	President Gold Medal	Electrical and Electronics Engineering
2	201230029	PIYUSH KUMAR	Director Gold Medal	Electrical and Electronics Engineering
3	201230039	SATYAJEET ROUT	Director Gold Medal	Electronics and Communication Engineering

M.Tech (2022-24)				
SR.NO.	**ROLL NO.**	**STUDENT NAME**	**MEDAL**	**SPECIALIZATION**
1	222210013	PRERNA MISHRA	President Gold Medal	Computer Science and Engineering
2	222211011	Rohit	Director Gold Medal	Computer Science and Engineering (Analytics)
3	222211009	Hardik Bansal	Institute Silver Medal	Computer Science and Engineering (Analytics)
4	222220009	Shubham Rajput	Director Gold Medal	Electronics and Communication Engineering
5	222220007	Pulak Ghoshal	Institute Silver Medal	Electronics and Communication Engineering
6	222221004	Anurag Singh	Director Gold Medal	Electronics and Communication Engineering (VLSI)
7	222221010	Katta Saiteja	Institute Silver Medal	Electronics and Communication Engineering (VLSI)
8	222231014	Pratik Sinha	Director Gold Medal	Electrical And Electronics Engineering (Power Electronics and Drives)
9	222231013	Prabhat Ranjan	Institute Silver Medal	Electrical And Electronics Engineering (Power Electronics and Drives)
10	222311012	Mekala Surendra	Director Gold Medal	Mechanical Engineering (CAD/CAM)
11	222311006	Raghav Kumar Mishra	Institute Silver Medal	Mechanical Engineering (CAD/CAM)

Ph.D				
Roll.No	**Name**	**Department**	**Branch**	**Thesis title**
163411201	Garima Chaudhary	Doctor of Philosophy	Applied Sciences (Chemistry)	Development of MCM-41 Functionalized Novel Organic-Inorganic Hybrid Mesoporous Materials for Cataysis and Metal ion Sensing
173221205	Harshvardhan Choudhary	Doctor of Philosophy	Electronics and Communication Engineering	Development and Measurement Uncertainty Estimation of Force Transducers
163231103	Kritika Bansal	Doctor of Philosophy	Electrical and Electronics Engineering	Aperiodic Sampled-data Control of Networked Systems Under Communication Constraints
163311201	Neeraj Kumar	Doctor of Philosophy	Mechanical Engineering	Train Scheduling and Rescheduling for the India Railway Network
173221207	Neelam Barak	Doctor of Philosophy	Electronics and Communication Engineering	Applications of Electrically Tunable Lens in Microscopy
173431201	Vinit Kumar Tripathi	Doctor of Philosophy	Applied Sciences (Mathematics)	Linear and Nonlinear Stability Analysis of Double Diffusive Convection in a Fluid Layer
183441101	Naveen Chand	Doctor of Philosophy	Applied Sciences (Environmental Science and Engineering)	Removal of Pollutants from Wastewater using Constructed Wetlands
183221104	Prabhakar Agarwal	Doctor of Philosophy	Electronics and Communication Engineering	Development of Efficient Algorithms for the Classification of Imagined Speech
173221210	Suruchi Sharma	Doctor of Philosophy	Electronics and Communication Engineering	Design of Tunnel Field Effect Transistor for Low-Power and High-Performance Application
183221101	Alok Kumar Mishra	Doctor of Philosophy	Electronics and Communication Engineering	Design and Analysis of Low Power Memory Elements for High Speed VLSI Circuits
163431101	Hemant Parashar	Doctor of Philosophy	Applied Sciences (Mathematics)	Penetrative Convection in a Ferrofluid Saturated Porous Layer
163211202	Rajesh Kumar	Doctor of Philosophy	Computer Science and Engineering	Dynamics on Multilayer Networks: Synchronization and Robustness
173221202	Ashima	Doctor of Philosophy	Electronics and Communication Engineering	Design and Analysis of Charge Plasma Induced Graded Channel Nanotube FET and its Biosensor Applications
183221102	Ashima Sharma	Doctor of Philosophy	Electronics and Communication Engineering	Device Modeling of Oxide Thin-Film Transistors
173221208	Preeti Mehta	Doctor of Philosophy	Electronics and Communication Engineering	Digital Image Forensic Techniques for the Detection of the Image Rebroadcast Attacks
183231101	Nitish Kumar	Doctor of Philosophy	Electrical and Electronics Engineering	Machine Learning Based Hybrid Energy System for Household and Industrial Applications
193431102	Prachi Priya	Doctor of Philosophy	Applied Sciences (Mathematics)	Mathematical Modelling for Linear and Non-Linear Pressure Drop over Barriers in Partially Reflecting Arbitrary Shaped Port
173221201	Aijaz Ahmed	Doctor of Philosophy	Electronics and Communication Engineering	Design and Development of Indirect Near Field Holographic System for Microwave Imaging
173311201	Alok Ranjan	Doctor of Philosophy	Mechanical Engineering	Mechanical and Tribological Investigations of Aluminium Metal Matrix Composites

183222105	Pragya Gupta	Doctor of Philosophy	Electronics and Communication Engineering	Design of Printed MIMO Antenna for Wireless and Biomedical Applications
163311202	Appurva Jain	Doctor of Philosophy	Mechanical Engineering	Experimental Measurements and Numerical Prediction of Rupture in Ductile Material during Mechnical Testing
193431101	Divya Sardana	Doctor of Philosophy	Applied Sciences (Mathematics)	CMIP6 Model Evaluation and Projection of Sea Surface Height Associated with Natural Climate Variability
183221103	M. Manigandan	Doctor of Philosophy	Electronics and Communication Engineering	Underwater Image Enhancement Techniques with Illumination Correction and Detail Preserving
183211105	VIJAYANT PAWAR	Doctor of Philosophy	Computer Science and Engineering	Scalable and Secure Healthcare Framework Using Blockchain for Operational Interoperability
183231103	SRINIVAS CHIKKAM	Doctor of Philosophy	Electrical Engineering	Fault Detection and Diagnosis of 3-Phase Induction Motor Employing Advanced Spectral Techniques and Machine Learning for Stator Current
193231101	NITESH KUMAR SINGH	Doctor of Philosophy	Electrical Engineering	Design and Modelling of CdTe and Environmental Friendly Perovskite Solar Cell for Photovoltaic Applications
193311101	MEENA PANT	Doctor of Philosophy	Mechanical Engineering	A comprehensive investigation of Mechanical Properties and Dimensional Analysis of 316L Stainless Steel Additive Manufactured Parts
163231201	Deepak Kumar	Doctor of Philosophy	Electrical and Electronics Engineering	Analysis, Design and Control of Three-Port Battery Integrated DC-DC Converters for LVDC Systems
183211101	NEHA BANSAL	Doctor of Philosophy	Computer Science and Engineering	Data Modelling and Database Migration for NoSQL Data Base
183211103	Shailza Kanwar	Doctor of Philosophy	Computer Science and Engineering	Design and Development of Cross-Project Defect Prediction Model for Software Testing using Machine Learning
153512201	SANJEEV KUMAR SHARMA	Doctor of Philosophy	Applied Sciences (Humanities & Management)	Developing Strategic Financing Options for National Institutes of Technology
183231104	SURBHI AGGARWAL	Doctor of Philosophy	Electrical Engineering	Impact Analysis of Electric Vehicle Charging Station on Electrical Power Systems
193231103	SHUBHAM KUMAR SINGH	Doctor of Philosophy	Electrical and Electronics Engineering	Intelligent Control of Hybrid Energy System for Sustainability and Enhanced Power Quality
173221203	Ashish Mishra	Doctor of Philosophy	Electronics and Communication Engineering	Design and Performance Analysis of Dynamic Comparator
193221102	Rajesh Yadav	Doctor of Philosophy	Electronics and Communication Engineering	Graphene-Based Antennas with Enhanced Characteristics for Sub-THz/THz Frequency Applications
193231102	Rajvardhan Jigyasu	Doctor of Philosophy	Electrical and Electronics Engineering	Multiple Faults Detection and Diagnosis of Induction Motor using Machine Learning

Part - II
Annual Accounts For The Financial Year (2023 - 2024)

ए.एम.जी.-III/एस.ए.आर./एन.आई.टी/9-34/2024-25/941

राजीव कुमार पाण्डेय, भा.ले.प.&ले.से.
Rajiv Kumar Pandey, IA&AS

सत्यमेव जयते

महानिदेशक लेखापरीक्षा
(केन्द्रीय व्यय)
भारतीय लेखा परीक्षा एवं लेखा विभाग
Director General of Audit
(Central Expenditure)
Indian Audit and Accounts Department

दिनांक: 04 .11.24

प्रबंधन पत्र

प्रिय डॉ. शर्मा,

राष्ट्रीय प्रोद्योगिकी संस्थान, दिल्ली के वर्ष 2023-24 के लेखों की लेखापरीक्षा कर ली गयी है और मेरे कार्यालय के पत्र संख्या ए.एम.जी.-III/एस.ए.आर./एन.आई.टी./9-34/2024-25/939 दिनांक: 8.11.24 के द्वारा लेखापरीक्षा प्रतिवेदन जारी कर दिया गया है। लेखापरीक्षा के दौरान कुछ अनियमितताएँ एवं कमियां ध्यान में आई है जिन्हें लेखापरीक्षा प्रतिवेदन में शामिल नहीं किया गया है। इन कमियों को संलग्न अनुबन्ध में दर्शाया गया है।

अतः इस पर आपका ध्यान आकर्षित करते हुए मेरा अनुरोध है कि इन अनियमितताओं एवं कमियों पर उचित कार्यवाही की जाए।

सादर,

भवदीय,

डॉ. अजय के शर्मा
निदेशक,
राष्ट्रीय प्रोद्योगिकी संस्थान दिल्ली,
सैक्टर ए-7 इंस्टिट्यूटशनल एरिया,
नरेला दिल्ली 110040

Ph. : 91-11-23702422
Fax : 91-11-23702271

D.G.A.C.R. Building, I.P. Estate, New Delhi-110002
e-mail:dgace@cag.gov.in

Annexure to Management Letter

1. Current Liabilities and Provisions (Schedule 3): Rs. 48.23 crore

The above does not include provision for expenses amounting to Rs. 56.51 lakh crore pertaining to the year 2023-24 but not paid during the year (as detailed below).

Sl. No.	Particulars	Invoice Date	Voucher date	Amount
1.	ZYT Enterprises	16.03.2024	23.04.2024	11,55,151
2.	Netweb Technologies	26.03.2024	17.04.2024	38,98,830
3.	M/s SMS Furniture	18.03.2024	17.04.2024	1,24,760
4.	Capital Books Pvt Ltd	23.02.2024 07.03.2024	23.04.2024	4,72,369
Total				**56,51,110**

This has resulted in understatement of Current Liabilities and Provisions and overstatement of Capital Fund by Rs. 56.51 lakh.

2. Fixed Assets (Schedule 4) – 370.11 crore

The above does not include Gifted Books amounting to Rs. 1.26 lakh. This resulted in understatement of Fixed Asset by Rs. 1.13 lakh,.understatement of Depreciation by Rs. 0.13 lakh and understatement of Capital Fund by Rs. 1.26 lakh.

3. Loans, Advances and Deposits (Schedule 8) – Rs. 118.03 crore

The above includes payment of Electricity Bill of NIT Campus at Bakoli for the period from 13.05.2022 to 31.05.2022 amounting to Rs.17.62 lakh instead of booking the same under Expenditure . This has resulted in overstatement of Loans, Advances & Deposits and understatement of Prior Period Expenses by Rs. 17.62 lakh.

4. 81 employees of NIT, Delhi are covered under NPS but separate accounts of NPS was not maintained by the Institute. This is contravention of the format of accounts prescribed by the Ministry of Education. This is being pointed out since 2019-20 but no remedial action has been taken by NIT, Delhi.

5. The salaries and wages booked in Schedule 15 has not been classified separately for teaching and non-teaching staff as per uniform format of accounts.

6. Delay in submission of approved Annual Accounts for audit

As per Rule 237 of GFR 2017 approved and authenticated annual accounts are to be made available by the Autonomous Body to the concerned Audit Office by 30th June of the succeeding year. However, National Institute of Technology, Delhi submitted its annual accounts for audit on 06.08.2024.

कार्यालय महानिदेशक लेखापरीक्षा (केन्द्रीय व्यय)
Office of the Director General of Audit (Central Expenditure)
डी जी ए सी आर भवन, इन्द्रप्रस्थ एस्टेट, नई दिल्ली–110 002
DGACR Building, Indraprastha Estate, New Delhi -110 002

ए.एम.जी-III/एस.ए.आर/एन.आई.टी./9-34/2024-25/ दिनाँक: 08.11.2024

सेवा में,

सचिव, भारत सरकार,
उच्चतर शिक्षा विभाग,
शिक्षा मंत्रालय,
शास्त्री भवन, नई दिल्ली-110001

विषय : वर्ष 2023-24 के लिए राष्ट्रीय प्रोद्योगिकी संस्थान, दिल्ली के लेखाओं पर पृथक लेखापरीक्षा प्रतिवेदन ।

महोदया/महोदय,

मैं राष्ट्रीय प्रोद्योगिकी संस्थान, दिल्ली के वर्ष 2023-24 के प्रमाणित वार्षिक लेखे की प्रति उसके प्रतिवेदन तथा लेखापरीक्षा प्रमाणपत्र की प्रति सहित संसद के पटल पर रखने के लिए संलग्न करता हूँ।

संसद को प्रस्तुत कर दस्तावेज की दो प्रतियाँ उस तिथि को दर्शाते हुए, जब वे संसद को प्रस्तुत किये गए थे, इस कार्यालय को तथा भारत के नियंत्रक एवं महालेखापरीक्षक के कार्यालय को भेजी जाए।

कृपया यह सुनिश्चित किया जाये कि पृथक लेखापरीक्षा प्रतिवेदन को संसद के दोनों सदनों के समक्ष प्रस्तुत करने से पहले वार्षिक लेखाओं को शासी निकाय (Governing Body) द्वारा अनुमोदित अवश्य करा लिया जाये तथा यह भी सुनिश्चित करें कि 2023-24 के लेखापरीक्षा प्रतिवेदन एवं लेखापरीक्षा प्रमाणपत्र को संसद के पटल पर रखने से पहले सभी पूर्व वर्षों के लेखापरीक्षा प्रतिवेदन एवं लेखापरीक्षा प्रमाणपत्र संसद के पटल पर प्रस्तुत किये जा चुके हों।

लेखापरीक्षा प्रतिवेदन का हिंदी अनुवाद एवं इसे जारी करने से सम्बन्धित सभी कार्यों को आपके निकाय द्वारा किया जाना ही अपेक्षित है । पृथक लेखापरीक्षा प्रतिवेदन का हिंदी अनुवाद जारी करते समय निम्नलिखित अस्वीकरण (disclaimer) अंकित करें।

"प्रस्तुत प्रतिवेदन मूल रूप से अंग्रेजी में लिखित पृथक लेखापरीक्षा प्रतिवेदन का हिंदी अनुवाद है। यदि इसमें कोई विसंगति परिलक्षित होती है तो अंग्रेजी में लिखित प्रतिवेदन मान्य होगा।"

भवदीय,

संलग्नक:यथोपरि

निदेशक (ए.एम.जी.-III)

Ph. : 91-11-23702422
Fax : 91-11-23702271
e-mail : dgace@cag.gov.in
Website: https://cag.gov.in/cen/new-delhi-iii/ten

ए.एम.जी-III/एस.ए.आर/एन.आई.टी./9-34/2024-25/939 दिनाँक: 08.11.2024

प्रति, प्रमाणित वार्षिक लेखे कि प्रति, उसके लेखापरीक्षा प्रतिवेदन तथा लेखापरीक्षा प्रमाणपत्र की प्रति सहित निदेशक, राष्ट्रीय तकनीकी संस्थान,प्लॉट नं एफए 7, ज़ोन पी.1, जीटी करनाल रोड, दिल्ली- 110036 को आवश्यक कार्यवाही हेतु अग्रेषित की जाती है| वार्षिक लेखाओं की हिंदी प्रति की 1 प्रति आवश्यक कार्यवाही हेतु इस कार्यालय को भेजी जाए|

संसद को प्रस्तुत कर दस्तावेज की दो प्रतियाँ उस तिथि को दर्शाते हुए, जब ये संसद को प्रस्तुत किये गए थे, इस कार्यालय को तथा भारत के नियंत्रक एवं महालेखापरीक्षक के कार्यालय को भेजी जाए|

संलग्नक: यथोपरि

निदेशक (ए.एम.जी.-III)

ए.एम.जी-III/एस.ए.आर/एन.आई.टी./9-34/2024-25/ दिनाँक: .11.2024

प्रति, प्रमाणित वार्षिक लेखे कि प्रति, उसके लेखापरीक्षा प्रतिवेदन तथा लेखापरीक्षा प्रमाणपत्र की प्रति सहित महानिदेशक (स्वायत निकाय), भारत के नियंत्रक एवं महालेखापरीक्षक का कार्यालय, 9, दीन दयाल उपाध्याय मार्ग, नई दिल्ली-110124 को अग्रेषित की जाती है|

यह महानिदेशक लेखापरीक्षा (केंद्रीय व्यय) के अनुमोदन से जारी किया जा रहा है |

संलग्नक:यथोपरि

निदेशक (ए.एम.जी.-III)

Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of National Institute of Technology, Delhi for the year ended 31st March 2024

We have audited the attached Balance Sheet of National Institute of Technology, Delhi (NITD) as at 31st March 2024, the Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with section 22(2) of NIT Act 2007. These financial statements are the responsibility of the NITD's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

i) We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.

ii) The Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report have been drawn up in the format prescribed by the Ministry of Education, Government of India vide order No. 29-4/2012-FD dated 17 April 2015.

iii) In our opinion, proper books of accounts and other relevant records have been maintained by the National Institute of Technology, in so far as it appears from our examination of such books.

iv) We further report that:

A. Grants-in-aid

During the year 2023-24, the National Institute of Technology (NIT), Delhi received grants-in-aid of Rs. 146.16 crore (Capital: Rs. 110.61 crore and Revenue: Rs. 35.55 crore). It had an opening balance of Rs. 1.57 crore (as per previous SAR). Out of the total Grants-in-aid of Rs. 147.74 crore, it utilized Rs. 134.21 crore (Capital: Rs. 97.94 crore & Revenue : Rs. 36.27 crore) leaving unutilized grants-in-aid of Rs. 13.53 crore as on 31 March 2024.

B. Management Letter

Deficiencies which have not been included in the Audit Report have been brought to the notice of Director, National Institute of Technology, Delhi through a Management Letter issued separately for remdial/corrective action.

v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report are in agreement with the books of accounts.

vii) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India:

a. in so far as it relates to the Balance Sheet, of the state of affairs of the National Institute of Technology at 31 March 2024; and

b. and in so far as it relates to Income & Expenditure Account of the surplus for the year ended on that date.

For and on behalf of C& AG of India

Place: New Delhi
Date: 3.11.24

Director General of Audit
(Central Expenditure)

Annexure to report

1. **Adequacy of internal audit system**

- Internal Audit wing has been established in NIT Delhi in January 2022. However, internal audit for the year 2023-24 has been done by CA firm.
- No internal audit was conducted by the Pr. Pay & Accounts Office of the Ministry of Education.

2. **Adequacy of internal control system**

The internal control of the NIT Delhi is adequate in areas seen by audit.

3. **System of physical verification of Assets**

- The physical verification of Fixed Assets has been conducted up to 2022-23.
- Physical verification of Library books was conducted up to 2023-24.

4. **System of physical verification of inventory**

Physical verification of Stationery and Consumables were conducted up to 2023-24 and no major deficiency was found.

5. **Regularity in payment of statutory dues**

As per accounts, no payments in respect of statutory dues were outstanding for more than six months as on 31.3.2024

Prem Garg & Associates
CHARTERED ACCOUNTANTS

H.No. 3145, Sector 20-D, Chandigarh
GSTIN : 04AADFP9547J1ZX
PAN No. : AADFP9547J

Mobile : 09872420001, 9417600427
E-mail : pgapchandigarh@gmail.com

Compilation Report

We have compiled the attached Balance Sheet of National Institute of Technology, Delhi at 31st March, 2024 and also The Income and Expenditure Account and The Receipt and Payment Account of the Institute for the year ended 31.03.2024 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 al 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 Prem Garg & Associates
Chartered Accountants

CA Prem Kumar Garg
Partner
M.No. 083796
FRN No. 014440N

Place: Chandigarh
Date :- 27.06.2024

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Balance Sheet as at 31.03.2024

Amount in Rs.

Sources Of Funds		Schedule	Current Year	Previous Year
Corpus/Capital Fund		1	5,40,20,09,713	4,34,84,16,458
Designated/Earmarked/Endowment Funds		2	-	11,86,24,302
Current Liabilities And Provisions		3	48,23,23,274	17,73,86,288
Total			**5,88,43,32,988**	**4,64,44,27,048**
Application Of Funds		**Schedule**	**Current Year**	**Previous Year**
Fixed Assets				
Tangible Assets	2,87,02,42,152			
Intangible Assets	2,25,79,453			
Capital Work in Progress	80,82,59,596	4	3,70,10,81,201	2,83,10,36,475
Investments - From Earmarked/Endowment Funds		5		
Long Term			-	-
Short Term			-	-
Investments - Others		6	-	-
Current Assets		7	1,00,29,78,976	77,89,93,873
Loans & Deposits		8	1,18,02,72,811	1,03,43,96,699
Total			**5,88,43,32,988**	**4,64,44,27,048**
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: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Income And Expenditure Account For The Year Ended On 31.03.2024

Amount in Rs.

Income	Schedule	Current Year	Previous Year
Academic Receipts	9	13,91,56,528	10,84,18,748
Grants/Subsidies/IRG	3c	36,27,07,606	31,79,90,735
Income from Investments	11	5,90,04,451	2,48,69,138
Interest Earned	12	18,35,984	53,47,276
Other Income	13	85,42,266	41,79,735
Prior Period Income	14	11,37,414	3,399
Total (A)		**57,23,84,248**	**46,08,09,032**
Expenditure	**Schedule**	**Current Year**	**Previous Year**
Staff payments & benefit (Establishments Expenses)	15	18,03,51,129	15,78,03,762
Academic Expenses	16	47,72,257	44,50,711
Administrative and General Expenses	17	19,69,20,271	17,47,72,249
Transportation Expenses	18	20,24,423	50,61,835
Repair and Maintenance	19	57,84,544	62,99,233
Finance Cost	20	21,745	1,64,260
Depreciation	4	11,20,51,686	8,14,22,018
Other Expenses	21	-	-
Prior Period Expenses	22	16,07,540	44,75,721
Interest transferable to Ministry		-	42,27,353
Total (B)		**50,35,33,594**	**43,86,77,141**
Balance being excess of Income over Expenditure (A-B)		6,88,50,654	2,21,31,890
Balance Being Surplus/Deficits Carried To Capital/Corpus Fund		**6,88,50,654**	**2,21,31,890**

Accountant
NIT Delhi

Asstt Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI
Receipt & Payment Account For the Year Ended On 31.03.2024

Amount in Rs.

Receipts	Annexure	Current Year	Previous Year	Payments	Annexure	Current Year	Previous Year
I Opening Balance				I. Expenses			
(1) Cash Balance (Include Imprest)		1.90.056	1.74.956	— Establishment Expenses	x	16.73.24.988	12.47.21.190
(2) Bank Accounts				— Academic Expenses		51.34.808	43.00.711
In Schedule Banks		3.30.08.903	43.98.38.697	— Administration Expenses	x	17.05.13.919	18.22.26.742
In Deposit accounts		72.00.00.000	52.00.07.422	— Transportation Expenses		20.24.423	20.61.830
II Grant Received(Sch-X(c))				— Repair & Maintenance Expenses		57.84.544	62.99.233
— Grant From Central Government		146.14.00.000	120.37.98.730	— Finance Cost		71.745	1.68.240
— Prior Period Unutilised Grant		1.84.717					
III Accademic Receipts		13.91.34.538	10.84.18.748	— Interest on Term Deposit/Saving Bank transfer to Ministry			31.21.373
				— Prior Period Expenses		14.07.240	48.75.727
IV Security Deposit from Students							
— Increase in Hostel Security Deposit		30.68.000	28.30.000	II. Payment Against Earmarked/Endowment Fund		-	-
— Increase in Mess Security Deposit		30.60.000	28.55.000	III. Payment Against Sponsored Projects	3	1.09.82.851	1.12.57.384
— Increase in Caution Money		88.12.000	72.00.000	IV. Payment Against Sponsored Fellowship and Scholarship			
V. Receipts Against Earmarked/Endowment Fund				V. Investments and Deposit made			
VI. Receipts Against Sponsored Projects	3	1.24.82.958	1.46.61.996	— Out of Earmarked/Endowments Funds			
VII. Receipts Against Sponsored Fellowship and Scholarship				— Out of Own Funds			
VIII. Income On Investments				VI. Term Deposit with Schedule			
				VII. Expenditure On Fixed Assts and Capital			
— Earmarked/Endowments Funds		-	-	— Fixed Assets		30.18.72.804	19.09.75.699
—Other Investments		5.30.43.936	3.04.06.884	— Capital Works In Progress		67.73.36.190	24.08.55.398
IX. Interest Received on				VIII. Other Payment include Statutory Payment			
— Bank Deposit		-	-	IX. Refund Of Grants		-	-
— Loan &		-	-	X. Deposites & Advances		14.44.79.326	84.43.04.116
—Saving Bank Accounts	7	18.33.994	32.47.216	XI. Other Payments			
X. Investments encashed				— Payments of EMD		-	-
XI. Term Deposits with Scheduled Banks encashed				— Provides to Students		-	-
XII. Other Income (Including Prior Period Income)	4	44.29.679	41.85.134	— Misc Payments		2.94.88.701	42.21.321
XIII. Deposits ptds		-	-	— Payment of Security Deposits		1.61.000	-
XIV. Miscellaneous Receipts		-	-	— Increase in Debtor		55.87.153	-
XV. Any Other Receipts				— TDS & TCS receivable		10.13.160	-
— Advance made Rent received from Students		28.000	-	— Statutory Duty payable (net)		20.14.311	-
— Receives of EMD		1.49.089	19.73.228	— Excess fee payable to Students		8.15.380	-
— Decrease in Debtor		-	6.38.808	— Scholarship payable		-	-
— TDS & TCS receivable		-	4.34.242	— Decrease in Time Barred Cheque		13.10.548	48.168
— Increase in SWA Any Oth payable		-	46.18.013				
— Increase in Scholarship Payable		2.49.089	4.68.000	— Project expense			2.31.491
— Increase in Time Barred Cheque		-		XII. Closing Balance			
— Project expense		22.243		(1) Cash Balance (Include Imprest)		7.29.067	1.90.056
—Other Receipts		6.21.25.103	3.29.86.100	(2) Bank Accounts			
				In Schedule Banks		8.01.00.201	3.30.08.903
				In Deposit Accounts		91.00.47.516	72.00.00.000
Total		2.52.07.84.309	2.30.44.95.540	Total		2.52.07.84.309	2.30.44.95.540

Accountant
NIT Delhi

Asstt. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Annexure to Receipt & Payment Account For The Year Ended On 31.03.2024

Amount In Rs.

S. No.	Particulars	Current Year
1	**Academic Receipts**	
	As per Income & Exp. A/c	13,91,56,528
	Add: Fee Outstanding during last year	-
	Add-Excess Fee Received	-
	Add: Received dumg the year	-
		13,91,56,528
	Less-Excess Fee Received	
	Less: received during previous year	-
	Less: Fee Outstanding during the year	-
	Balance To Receipts & Payments A/c	**13,91,56,528**
2	**Other Income**	
	As per Income & Exp. A/c	96,79,679
	Add: Received dumg the year	-
		96,79,679
	Deperciation Written Back Retrospectivity	-
	Less: received during previous year	-
	Balance To Receipts & Payments A/c	**96,79,679**
3	**Receipts Against Sponsored Projects**	
	As per Sch-3(A)	1,24,80,938
	Balance To Receipts & Payments A/c	**1,24,80,938**
	Payments Against Sponsored Projects	1,03,82,801
	Balance To Receipts & Payments A/c	**1,03,82,801**
4	**Establishment Expenses**	
	As per Income & Exp. A/c	18,03,51,129
	Add:- Provision for the year 2022-23	7,41,20,923
	Add:- Festival 22-23	-
		25,44,72,052
	Less:- Festival 23-24	-
	Less:- Provision for the year 2023-24	8,72,67,064
	Balance To Receipts & Payments A/c	**16,72,04,988**
5	**Academic Expenses**	
	As per Income & Exp. A/c	47,72,257
	Add:- Provision for the year 2022-23	3,82,551
	Less:- Payment Yet to be made to Creditors	-
	Add:- Prepaid Expenses 2022-23	-
		51,54,808
	Less- Prepaid Expenses 2023-24	-
	Less:- Provision for the year 2023-24	-
	Balance To Receipts & Payments A/c	**51,54,808**

6	**Administration Expenses**	
	As per Income & Exp. A/c	19,69,20,271
	Add:- Provision for the year 2022-23	1,10,02,003
	Add:- Payment made to Opening Creditors	64,08,269
	Add:- Prepaid Expenses 2022-23	(72,77,130)
	Add:- Closing Stock	14,35,936
		20,84,89,349
	Less:- Provision for the year 2023-24	92,08,763
	Less:- Payment Yet to be made to Creditors	2,76,48,863
	Less:-Opening Stock	11,17,804
	Balance To Recipts & Payments A/c	**17,05,13,919**
7	**Intt. Recd. On Deposits**	
	As per Income & Exp. A/c	18,35,984
	Add: Accrued of Last Year 2022-23	-
		18,35,984
	Less: Accrued during the year 2023-24	-
	Balance To Recipts & Payments A/c	**18,35,984**

Corpus/Capital Fund

Schedule 1

Amount in Rs.

S.No.	Particulars		Current Year	Previous Year
A	Balance at the beginning of the year		3,83,49,81,108	2,39,86,22,245
	Add: Contributions towards Corpus/Capital Fu		-	-
	Add: Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure		97,94,28,996	1,54,40,86,135
	Add: Assets Purchased out of Earmarked Funds		-	16,48,363
	Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution			
	Add: Assets Donated/Gifts Received		-	-
	Less: Depreciation for the year		(11,20,51,686)	(8,14,22,018)
	Add: Depreciation on WIP for 2022-23 (Rectification)		26,67,416	-
	Less: Depreciation for 2021-22 (Rectification)		-	(2,79,53,617)
	Add: Other Additions		-	-
	Total (A)		**4,70,50,25,834**	**3,83,49,81,108**
B	Suplus/(Deficifit) Opening Balance		51,34,35,350	38,19,27,824
	(Less): Excess of Expenditure over Income trasferred from the Income & Expenditure Account		-	-
	Add: Excess of Income over Expenditure trasferred from the Income & Expenditure Account		-	-
	Excess of Academic Income over Academic Expenditure	13,43,84,272	-	-
	Others	(6,55,33,617)	6,88,50,654	2,21,31,890
	Add: Grants from UGC, Government of India and State Government to the extent utilized for Revenue Expenditure			
	Add: Depreciation for the Year		11,20,51,686	8,14,22,018
	Add: Depreciation for 2021-22 (Rectification)		-	2,79,53,617
	Add: Adjustment of Previous Credit balances and Round off		29,33,931	
	Less: Adjustment of Stale Cheques		(2,87,742)	
	Total (B)		**69,69,83,879**	**51,34,35,350**
	Total (A+B)		**5,40,20,09,713**	**4,34,84,16,458**

Accountant
NIT Delhi

Asst. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Earmarked/Endowment Fund

Schedule 2

Earmarked/Endowment Fund	Alumini Association	Industrial Training & Placement	Institute Dev. Fund	Library & Book Bank	Games, Sports and Culture Funds	Students Aid and Welfare Funds	Examination Funds	DASA Students funds	Students Club	Medical Fund	Tech Fest	Startup Fund	Total	
A													Current Year	Previous Year
a) Opening Balance	25,64,563	1,13,03,159	4,84,93,000	9,24,37,007	1,98,50,408	63,25,573	1,27,41,255	1,50,000	1,22,138	44,28,222	2,08,976	-	11,86,24,301	9,18,12,472
b) Received During the Year	6,18,000	39,34,500	1,59,06,000	46,44,300	80,44,801	54,03,614	48,00,500	-	-	15,22,000	-	-	4,28,73,715	3,29,86,100
mode of the Funds	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c) Accured Interest on the investments	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e) Interest on Saving Bank a/c	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (A)	**31,82,563**	**1,52,37,659**	**6,43,99,000**	**1,70,81,307**	**2,78,95,408**	**97,29,187**	**1,75,41,755**	**1,50,000**	**1,22,138**	**59,50,222**	**2,08,976**	**-**	**16,14,98,016**	**12,47,98,572**
B														
Utilisation/Exp. Towards objects of the funds														
i) Capital Expenditure	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ii) Revenue Expenditure	-	2,45,125	1,04,500	27,300	2,72,80,408	6,29,275	27,500	1,50,000	1,22,138	5,20,376	2,08,976	-	2,93,15,598	61,74,271
Total (B)	**-**	**2,45,125**	**1,04,500**	**27,300**	**2,72,80,408**	**6,29,275**	**27,500**	**1,50,000**	**1,22,138**	**5,20,376**	**2,08,976**	**-**	**2,93,15,598**	**61,74,271**
Less Transferred to Current Liabilities Schedule 3	**31,82,563**	**1,49,92,534**	**6,42,94,500**	**1,70,54,007**	**6,15,000**	**90,99,912**	**1,75,14,255**	**-**	**-**	**54,29,846**	**(0)**	**-**	**13,21,82,417**	**-**
Closing balance of the year end (A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**11,86,24,301**

Accountant
NIT Delhi

Asstt.Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
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 01.04.2023		Additions during the Year		Total		Expenditure on the object during the year	Closing Balance as on 31.03.2024		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: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Current Liabilities and Provisions

Schedule 5

Amount in Rs.

S.No.	Particulars	Current Year		Previous Year	
A	**Current Liabilities**				
1	**Deposits from Staff**	-	-	-	-
2	**Deposits from Students**				
a)	Hostel Security	1,28,68,500		98,00,500	
b)	Mess Security	1,28,50,000		97,90,000	
c)	Library & Lab Security	-		1,22,000	
d)	Students Co-op. Security	-		39,000	
e)	Security Deposit Students (Caution Money)	3,37,07,419		2,38,97,419	
f)	Hostel Rent from Students	28,000		-	
g)	Scholarship Payable	8,81,520		6,31,621	
h)	Excess Fee Received	-		1,11,209	
i)	Other payable to Students	-	6,03,35,439	7,84,171	4,51,75,970
3	**Sundry Creditors**				
a)	For Goods (**Annexure 'A'**)	35,57,889		39,73,029	
b)	Others (**Annexure 'A'**)	2,41,08,974	2,76,48,863	24,35,240	64,08,269
4	**Deposit-others(Including, EMD, Security Deposit) Annexure 'D'**	38,78,469	38,78,469	29,29,430	29,29,430
5	**Statutory Liabilities (TDS,GPF,WC Tax, CPF,GIS,NPS)**				
a)	Overdue	-		-	
b)	Others **Annexure 'B'**	54,40,446	54,40,446	76,56,717	76,56,717
6	**Other current liabilities**				
a)	Salary				
b)	Receipts against Sponsored Projects (**Schedule 3A(i)**)	93,78,918		67,26,756	
c)	Receipts against Sponsored Fellowships & Scholarships (**Sch-3A(ii)**)	5,71,538		11,25,064	
d)	Unutilised Grants (**Sch-3C**)	13,52,81,975		1,36,53,864	
e)	Grants in Advance	-		-	
f)	Alumni Association	31,82,363		-	
g)	Industrial Training & Placement	1,49,92,534		-	
h)	Institute Dev. Fund	6,42,94,500		-	
i)	Library & Book Bank	1,70,54,007		-	
j)	Games, Sports and Culture Funds	6,15,000		-	
k)	Students Aid and Welfare Funds	80,99,913		-	
l)	Examination Funds	1,73,14,255		-	
m)	GASA Students funds	-		-	
n)	Students Club	-		-	
o)	Medical Fund	54,29,846		-	
p)	Tech Fest	(0)		-	
q)	Time Barred Cheques	-		13,10,548	
r)	Interest payable to Ministry	42,27,353		42,27,353	
s)	Consultancy Share Distribution	38,56,097		-	
t)	Income Tax Refund A.Y 2022-23	-		-	
u)	PDF	11,63,055		-	
v)	PDF (Civil Deptt)	14,53,818		-	
w)	PDF (R & C Officers)	87,229		-	
x)	Zeal 2024 Sponsorship	25,000		-	
y)	Outstanding Exp **Annexure 'C'**	2,07,34,961	30,89,79,861	2,14,58,116	5,05,01,698
	Total (A)		**40,62,83,077**		**11,36,72,084**
B	**Provisions**				
1	for Taxation	-		-	
2	Gratuity	2,55,69,340		2,25,87,251	
3	Superannuation Pension	-		-	
4	Accumulated Leave/Encashment	5,04,70,855		4,21,26,953	
5	Trade Warranties/Claims	-		-	
6	Others (Specify)	-	7,60,40,197	-	6,47,14,204
	Total (B)		**7,60,40,197**		**6,47,14,204**
	Total (A+B)		**48,23,23,274**		**17,73,86,288**

Accountant
NIT Delhi

Joint Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
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 01.04.2023		Receipts/Interest Recoveries during the year	Total	Expenditure/ transfer during the year	Closing Balance as on 31.03.2024	
		Credit	Debit				Credit	Debit
1	DST Project Inspire Faculty (Dr. Suman Srivastava)	1,25,831	-	-	1,25,831	-	1,25,831	
2	DST-TDT/DDP-09/2018-G (Dr. Gyanendra Sheoran)	3,48,594	-	-	3,48,594	3,48,594	(0)	
3	DST-TDT/SHRI-07/2018 (Dr. Gyanendra Sheoran)	1,72,356	-	2,04,274	3,76,630	1,83,753	1,92,877	
4	DST/INT/DAAD/P-20/2019 Dr. Sachin Singh	97,500	-	601	98,101	98,101	-	
5	DST - Chandra Sekhar	7,03,026	-	-	7,03,026	2,49,477	4,53,549	
6	DST/WOS-A/PM-90/2021 (G) Dr. V.S Pandey	-		15,47,856	15,47,856	9,39,724	6,08,132	
7	DST/Inspire/04/2021/002977J Chumki Dalal	-		22,00,000	22,00,000	14,78,687	7,21,313	
8	SERB Project - AS-CH03 (Dr. AP Singh)	-	-	2,00,000	2,00,000	-	2,00,000	
9	CSIR Anuj Kumar Sharma	(9,701)	-	-	(9,701)	-	(9,701)	
10	CSIR- Amit Mahajan	(46,800)	-	-	(46,800)	-	(46,800)	
11	CSIR (Ms Vinita)	27,482	-	-	27,482	-	27,482	
12	Sardar Vallabhbhai NIT Surat	-		58,883	58,883	4,49,147	(3,90,264)	
13	SERB/ECR/2016/1141 (Dr. Amrit Ratna Saxena)	3,30,477	-	-	3,30,477	-	3,30,477	
14	SERB Dr. Karan Verma AV/VR/2022/0269	-		1,50,000	1,50,000	1,50,000	-	
15	SERB DST - Dr. Prashant Kumar (CRG/2021/005654)	7,59,691	-	2,84,027	10,43,718	8,48,904	1,94,814	
16	SERB DST - Dr. Rikmantra Basu	1,25,477	-	-	1,25,477	-	1,25,477	
17	SERB DST - Dr. Rikmantra Basu (CRG/2020/002966)	4,04,995	-	61,689	4,66,684	25,393	4,41,291	
18	SERB - Anurag Singh	(15,112)	-	1,737	(13,375)	20,000	(33,375)	
19	SERB - Dr. Anuj Sharma	1,03,420	-	31,781	1,35,201	1,35,201	-	
20	SERB/F/10719/2022-2023/chandan Prakash	23,74,900	-	-	23,74,900	-	23,74,900	
21	SERB/F/1182/2023-2024 DR. V.S Pandey	-		6,50,000	6,50,000	6,50,000	-	
22	SERB/F/1412/2023-2024 Gyanendra Sheoran	-		1,50,000	1,50,000	1,50,000	-	
23	SERB/F/8613/22-23/TSTR/Gyanendra Sheoran	11,18,400	-	1,38,928	12,57,328	10,23,607	2,33,721	
24	2021-WQM-I-HCHC PC B HCHKAPIL PROJECT	-		31,15,200	31,15,200	-	31,15,200	
25	DST SERB/CRG/2022/VS Pandey	-		6,50,000	6,50,000	2,32,943	4,17,057	
26	INSA Project Rikmantra Basu	-		3,65,806	3,65,806	24,382	3,41,424	
27	Inspire Fellowship under Inspire Program	-		4,92,440	4,92,440	5,33,107	(40,667)	
28	Dr Vivek Shrivastava BRNS Project	91,699		-	91,699	30,839	60,860	
29	Unnat Bharat Project (Dr. Kapil Kumar)	23,520	-	-	23,520	-	23,520	
	Total	67,26,756	-	1,03,34,222	1,70,60,978	76,72,059	92,78,918	

Sponsored Programmes

Schedule 3(A)(ii)

Amount in Rs.

S.No.	Name of the Programme	Opening Balance as on 01.04.2023		Receipts/Recoveries during the year	Total	Expenditure during the year	Closing Balance as on 31.03.2024	
		Credit	Debit				Credit	Debit
1	Faculty Development Programme	1,02,020	-	-	1,02,020	1,02,020	-	
2	NCAME 2018	8,785	-	-	8,785	8,785	-	
3	Red cross society	10,550	-	-	10,550	10,550	-	
4	STTP Conference	4,200	-	-	4,200	4,200	-	
5	IEEE NITD Student Branch	12,500	-	-	12,500	4,000	8,500	
6	AICTE ATAL FDP	10,401	-	-	10,401	10,401	-	
7	AICTE ATAL FDP Vivek Shrivastava	(1,263)	-	-	(1,263)	-	(1,263)	
8	Gian Sponsored Programme	639	-	-	639	-	639	
9	PRCCIN - 2022	1,66,582	-	-	1,66,582	1,66,582	-	
10	Short Term Course	80,712	-	2,54,801	3,35,513	2,14,556	1,20,957	
11	C2S Programme ZoPP Workshop Project	-		2,93,000	2,93,000	2,53,531	39,469	
12	CSIT 2022 (Dr. Anurag Singh)	1,58,400	-	-	1,58,400	1,27,400	31,000	
13	Research Scholar Day Exp 2022	400	-	-	400	-	400	
14	RTCSSE -2023 Events (Dr A.P Singh)	5,71,140	-	3,94,915	9,66,055	8,24,168	1,41,887	
15	Winter School (V.S. pandey)	-		12,15,000	12,15,000	9,84,549	2,30,451	
	Total	11,28,064	-	21,56,716	32,84,780	27,16,742	5,71,038	-

Accountant
NIT Delhi

Asst. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

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NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Sponsored Fellowships And Scholarships

Schedule 3(B)

Amount in Rs.

S.No.	Name of Sponsor	Opening Balance As On 01.04.2022		Transactions During the year		Closing Balance as On 31.03.2023	
		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)	-	-	-	-	-	-
	Total	-	-	-	-	-	-

Accountant
NIT Delhi

Asstt.Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Unutilised Grants from UGC, Government of India and State Governments

Schedule 3(C.)

Amount in Rs.

Particulars	Current Year	Previous Year
Grant from Government of India		
A. OH-31 (General)		
Balance B/F	48,517	3,56,290
Add: Receipts during the year		
Received during the year	19,89,00,000	19,69,00,000
Less: RBI TSA Balance lapse on 31.03.2023	-	-
Add: RBI TSA Balance lapse on 31.03.2022 (Rectification)	-	-
Add: Adjustment	-	22,500
Seed Money transfered back to Unutilized Grant	-	-
Total(a)	**19,89,48,517**	**19,74,78,790**
Less Refunds		
Less: Utilized for Revenue Expenditure	19,89,48,517	19,74,30,273
Less: Transferred to projects	-	-
Total (b)	**19,89,48,517**	**19,74,30,273**
Unutilized carried forward (a-b)	**0**	**48,517**
B. OH 35 - (Creation of Capital Assets)		
Balance B/F	86,10,971	51,51,92,225
Add: Receipts during the year		
Received during the year	1,10,61,00,000	1,03,75,00,000
Less RBI TSA Balance lapse on 31.03.2023	-	-
Add: RBI TSA Balance lapse on 31.03.2022 (Rectification)	-	-
Add: Adjustment	-	-
Seed Money transfered back to Unutilized Grant	-	-
Total(c)	**1,11,47,10,971**	**1,55,26,92,225**
Less Refunds		
Less: Utilized for Capital expenditure	97,94,28,996	1,54,40,81,255
Less: Transferred to projects		-
Total (d)	**97,94,28,996**	**1,54,40,81,255**
Unutilized carried forward (c-d)	**13,52,81,975**	**86,10,971**
C. OH 36 - (Salary)		
Balance B/F	69,94,377	61,78,589
Add: Receipts during the year		
Received during the year	15,66,00,000	12,69,00,000
Less RBI TSA Balance lapse on 31.03.2023	-	55,23,750
Add: RBI TSA Balance lapse on 31.03.2022 (Rectification)	-	-
Add: Adjustment	-	56,58,620
Amount transfered back to Unutilized Grant	1,64,712	-
Total(e)	**16,37,59,089**	**13,42,53,459**
Less Refunds		
Less: Utilized for Revenue Expenditure	16,37,59,089	12,72,59,082
Less: Transferred to projects		-
Total (f)	**16,37,59,089**	**12,72,59,082**
Unutilized carried forward (e-f)	-	**69,94,377**
D. Grants from State Govt.		
Balance B/F	-	-
Add: Receipts during the year	-	-
Total(g)	-	-
Less Refunds	-	-
Less: Utilized for Revenue Expenditure	-	-
Less: Utilized for Capital expenditure	-	-
Total (h)	-	-
Unutilized carried forward (g-h)	-	-
Grand Total (A+B+C+D)	**13,52,81,975**	**1,56,53,865**

Accountant
NIT Delhi

Asst.Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Schedule 4

Fixed Assets

Amount in Rs.

S.No.	Assets	Gross Block: Cost as on 01.04.2023	Gross Block: Addition	Gross Block: Deductions	Gross Block: Closing Balance	Depreciation Block: Dep. Upto 31.03.2023	Depreciation Block: Depreciation Adjustment	Depreciation Block: Add. During the Year	Depreciation Block: Rate of Dep	Depreciation Block: Total Depreciation	Net Block: Balance as on 31.03.2024	Net Block: Balance as on 31.03.2023
1	2	3	4	5	6	7	8	9	10	11	12	13
A	Tangible Assets (A)											
a	Equipments											
1	Classroom Equipment	-	3,15,99,400	-	3,15,99,400	-	-	17,51,952	8.0%	17,51,952	2,98,47,448	-
2	Health Centre Equipments	-	1,12,000	-	1,12,000	-	-	8,960	8.0%	8,960	1,03,040	-
3	Lab Equipments	3,45,34,193	-	-	3,45,34,193	1,97,58,963	-	13,58,816	8.0%	2,11,17,779	1,34,16,409	1,47,75,230
4	Lab Equipments for Dept of ECE	1,23,01,181	2,15,16,427	-	3,38,17,608	22,36,784	-	52,87,660	8.0%	75,24,444	2,62,93,163	1,00,64,397
5	Lab Equipments for Dept of EEE	1,71,48,942	2,79,93,319	-	4,51,42,261	44,58,707	-	30,16,284	8.0%	74,74,991	3,76,67,270	1,26,90,235
6	Lab Equipments for Civil Dept	48,04,994	1,97,37,624	-	2,45,42,618	3,86,400	-	19,30,657	8.0%	23,17,057	2,22,25,561	44,18,594
7	Lab Equipments for Dept ME	91,54,222	1,08,28,744	-	1,99,82,966	8,22,328	-	16,56,400	8.0%	22,78,728	1,77,04,178	83,31,894
8	Lab Equipments for CSE Dept	1,15,390	97,38,908	-	98,54,298	13,625	-	7,92,886	8.0%	8,06,511	90,47,787	1,01,765
9	Lab Equipments Chemistry Lab	-	1,15,37,700	-	1,15,37,700	-	-	8,98,516	8.0%	8,98,516	1,06,39,184	-
10	Lab Equipments for Applied Science	30,960	4,05,490	-	4,36,450	2,877	-	36,926	8.0%	39,803	3,96,647	28,083
11	Equipments	58,09,974	1,16,756	-	59,26,730	27,56,125	-	2,53,647	8.0%	30,09,772	29,16,958	30,53,849
12	Mess Equipments	11,80,425	-	-	11,80,425	94,434	-	86,879	8.0%	1,81,313	9,99,112	10,85,991
13	Lab Equipments for Dept of AI	10,11,408	95,44,494	-	1,05,55,902	8,78,679	-	7,90,180	8.0%	16,68,859	88,87,043	1,32,729
b	Office & Office Equipments											
1	Air Conditioner	42,24,850	1,82,474	-	44,07,324	37,49,736	-	1,99,469	7.5%	39,49,205	24,60,119	4,77,118
2	Biometric Machine	87,283	1,07,849	-	1,95,132	31,347	-	10,784	7.5%	42,131	1,53,001	55,936
3	Blade Server	29,41,183	-	-	29,41,183	20,70,980	-	66,764	7.5%	21,37,745	8,03,440	8,70,203
4	CCTV Camera	10,49,842	-	-	10,49,842	5,56,826	-	36,955	7.5%	5,93,781	4,55,781	4,92,796
5	Camera	2,42,124	1,39,393	-	4,37,317	58,010	-	23,913	7.5%	81,923	3,55,394	2,02,114
6	Coffee Machine	98,436	-	-	98,436	62,037	-	2,752	7.5%	64,789	33,647	36,421
7	Digital Copier Machine	23,80,372	-	-	23,80,372	13,98,576	-	74,465	7.5%	14,73,041	9,07,331	9,82,796
8	Fogging Machine	31,800	-	-	31,800	22,334	-	710	7.5%	23,044	8,756	9,466
9	Franking Machine	95,000	-	-	95,000	46,659	-	3,625	7.5%	50,284	44,716	48,341
10	Gyser	8,07,477	8,220	-	8,15,697	4,35,278	-	28,532	7.5%	4,63,810	3,51,887	3,72,202
11	Grass Cutting Machine	54,450	-	-	54,450	29,851	-	1,844	7.5%	31,695	22,755	24,599
12	Kitchen Appliance	27,35,217	2,440	-	27,37,657	14,76,377	-	95,171	7.5%	15,71,548	11,66,109	12,58,840
13	Lawn Remover	14,175	-	-	14,175	6,097	-	404	5.0%	6,501	7,674	8,078
14	Library Books	84,06,818	17,67,111	-	1,01,73,929	64,02,409	-	3,77,132	10.0%	67,79,541	33,94,388	20,04,409
15	Library Equipments	28,16,778	-	-	28,16,778	18,83,859	-	74,634	8.0%	19,58,493	8,58,285	9,32,919
16	Media Player	2,69,250	-	-	2,69,250	1,64,183	-	7,880	7.5%	1,72,063	97,187	1,05,067
17	Microwaves	34,302	18,975	-	53,277	11,444	-	2,197	7.5%	13,641	39,636	22,858
18	Mixer Grinder	-	2,686	-	2,686	-	-	201	7.5%	201	2,485	-
19	Mobile Phone & Telephone Set	10,22,359	-	-	10,22,359	5,30,091	-	51,282	7.5%	5,81,373	4,40,986	4,92,268
20	Motorised Screen	68,000	-	-	68,000	41,545	-	1,984	7.5%	43,529	24,471	26,455
21	Musical Instruments	1,00,000	-	-	1,00,000	44,300	-	4,143	7.5%	48,443	51,558	55,700
22	Office Equipments	47,14,940	17,97,471	-	65,14,414	20,94,910	-	2,01,478	7.5%	22,96,388	37,18,026	26,20,030
23	Refrigerator	1,97,588	20,999	-	2,18,587	84,150	-	10,290	7.5%	94,440	1,24,147	1,13,438
24	RO System	4,87,160	2,00,000	-	6,87,160	1,81,704	-	37,909	7.5%	2,19,613	4,67,547	3,05,456
25	Room Heater	1,92,756	-	-	1,92,756	1,07,350	-	6,405	7.5%	1,13,755	79,001	85,406
26	Shredder Machine	3,42,593	-	-	3,42,593	1,93,542	-	11,179	7.5%	2,04,721	1,37,872	1,49,051
27	Surface Grinder Machine	-	2,48,095	-	2,48,095	-	-	18,607	7.5%	18,607	2,29,488	-
28	Sweeping Machine	-	22,73,800	-	22,73,800	-	-	1,70,685	7.5%	1,70,685	21,03,115	-
29	Television & LCD	13,98,656	-	-	13,98,656	8,10,300	-	44,125	7.5%	8,54,425	5,44,231	5,88,356
30	Telephone Sets	20,99,654	11,750	-	21,11,404	10,31,455	-	80,955	7.5%	11,12,410	9,98,994	10,68,199
31	Water Cooler	8,67,424	-	-	8,67,424	4,96,122	-	27,849	7.5%	5,23,971	3,43,453	3,71,302
32	Washing Machine	3,47,549	69,320	-	3,16,377	95,529	-	22,338	7.5%	40,867	2,75,850	2,28,020
33	Pegasus Kit	24,975	-	-	24,975	1,873	-	1,733	7.5%	3,606	21,369	23,102
34	Horticulture Equipment	1,69,000	3,27,940	-	4,96,940	12,675	-	51,230	7.5%	63,905	4,33,035	1,56,325
35	Agriculture Lawn Mower	41,000	-	-	41,000	3,075	-	2,844	7.5%	5,919	35,081	37,925
36	Web Camera	19,260	-	-	19,260	13,815	-	408	7.5%	14,223	5,037	5,445
37	Gym Equipments	32,08,573	4,94,430	-	37,03,003	3,70,612	-	3,93,399	7.5%	7,64,011	29,38,992	28,37,961
38	Sports Equipments	25,88,918	30,000	-	26,17,918	6,21,803	-	1,49,776	7.5%	7,71,579	18,46,339	19,67,115

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40	Inverter	6,40,489	-	-	6,40,489	3,41,901	-	22,994	7.5%	3,64,295	2,76,189	2,98,583
41	Air Purifier	1,13,004	-	-	1,13,004	47,250	-	4,837	7.5%	52,137	59,857	64,754
42	Flood Light LED	28,600	-	-	28,600	10,081	-	1,389	7.5%	11,470	17,130	18,519
43	Inverter battery	3,24,863	-	-	3,24,863	81,978	-	13,466	7.5%	1,09,444	2,15,419	2,32,885
44	Speaker	80,877	-	-	80,877	7,316	-	5,317	7.5%	12,833	68,044	73,561
45	Temporarily Tin Shed	66,080	-	-	66,080	4,956	-	4,584	7.5%	9,540	56,540	61,124
46	Sprinkler Machine	28,670	9,560	-	38,230	8,178	-	2,408	7.5%	9,586	29,644	32,062
c	**Furniture, Fixture & Fittings**											
1	Cooler	38,100	8,200	-	46,300	21,362	-	1,870	7.5%	23,232	23,067	24,737
2	Electric Installation	9,78,794	17,47,600	-	27,22,394	4,97,227	-	1,11,244	5.0%	6,08,732	21,13,662	4,77,357
3	Electric Fan	-	11,105	-	11,105	-	-	555	5.0%	555	10,550	-
4	Exhaust Fan	99,833	-	-	99,833	66,138	-	2,454	7.5%	68,591	30,241	32,714
5	Fire Extinguisher	1,79,190	-	-	1,79,190	85,715	-	7,011	7.5%	92,725	86,465	93,481
6	Furniture, Fixture & Fittings	15,81,86,299	6,16,56,626	-	21,98,42,925	3,31,18,716	-	1,81,54,318	7.5%	4,12,73,035	17,85,69,891	12,70,67,583
7	India Map (Fitment)	25,500	-	-	25,500	7,613	-	1,769	7.5%	9,382	16,118	17,888
8	Main Gate (Iron)	2,47,800	-	-	2,47,800	18,585	-	11,191	7.5%	30,776	2,17,024	2,29,215
9	LED Light	6,60,132	-	-	6,60,132	3,35,936	-	16,710	5.0%	3,52,646	3,07,486	3,24,196
10	Partition	-	6,32,266	-	6,32,266	-	-	47,418	7.5%	47,418	5,84,848	-
11	Porta Cabins	35,20,831	-	-	35,20,831	17,67,291	-	1,36,016	7.5%	19,43,306	15,77,525	18,13,540
12	Sign. Board	3,53,971	-	-	3,53,971	2,68,559	-	21,385	7.5%	2,89,944	63,747	2,88,122
13	Tanker	1,31,680	-	-	1,31,680	64,680	-	3,005	7.5%	67,713	63,967	66,956
14	Wall Fan	-	33,274	-	33,274	-	-	1,896	7.5%	1,896	31,378	-
											-	
d	**Computer Peripherals**										-	
1	Computer	3,29,17,914	3,90,33,369	-	7,19,51,283	2,90,56,632	-	86,78,926	30.0%	3,76,35,558	3,43,15,726	38,61,282
2	Printer	56,72,734	2,83,47,954	-	3,40,20,688	27,30,141	-	67,98,109	20.0%	95,28,250	2,51,92,438	29,42,593
3	Projector	13,61,301	-	-	13,61,301	13,61,301	-	-	20.0%	13,61,301	-	-
4	Scanner	76,700	-	-	76,700	13,540	-	12,272	20.0%	27,672	49,028	61,560
5	Network Equipments	1,30,23,522	-	-	1,30,23,522	1,30,23,404	-	29,984	30.0%	1,31,05,588	1,79,934	1,69,518
6	UPS Battery	6,45,928	-	-	6,45,928	6,45,928	-	(0)	30.0%	6,45,928	(0)	(0)
7	Server	82,14,693	-	-	82,14,693	82,14,693	-	-	30.0%	82,14,693	-	-
											-	
e	**Vehicle**	96,27,631	2,63,843	-	98,91,474	11,69,880	-	8,72,360	10.0%	20,42,240	78,31,243	86,07,787
f	**Building**											
1	Building	2,37,01,64,713	72,36,496	13,07,03,404	2,44,66,97,803	5,14,03,294	26,67,416	6,79,02,897	2.0%	9,66,47,268	2,35,00,56,037	2,51,67,67,419
2	External Development	7,61,91,798	-	-	7,61,91,798	13,33,856	-	14,83,359	5.0%	30,17,193	7,31,74,605	7,86,67,960
	Total (A)	**3,00,04,63,040**	**27,64,18,378**	**13,07,03,404**	**3,14,71,64,911**	**20,23,91,437**	**26,67,416**	**9,69,98,717**		**29,69,22,788**	**2,87,02,42,152**	**2,81,83,61,582**
B	**Capital Work in Progress**											
1	Building	-	80,82,59,396	-	80,82,59,396			-	0.0%		80,82,59,396	-
	Total (B)	**-**	**80,82,59,396**	**-**	**80,82,59,396**	**-**	**-**	**-**	**-**	**-**	**80,82,59,396**	**-**
C	**Intangible Assets (C)**											
1	Software	6,41,92,667	30,99,244	-	7,72,91,911	5,36,49,673	-	90,56,984	40%	6,27,06,658	1,45,85,253	1,75,42,993
2	E Journals	1,99,62,880	1,16,04,456	-	3,15,67,336	1,99,62,880	-	46,41,862	40%	2,46,04,742	69,62,594	-
3	E-Office	39,38,256	100	-	39,38,356	27,76,580	-	4,52,711	40%	32,29,291	6,79,065	11,31,676
4	License Fee Agreement	28,500	-	-	28,500	28,500	-	-	40%	28,500	-	-
5	Web Media Player	1,03,930	-	-	1,03,930	1,03,930	-	-	40%	03,930	-	-
6	Network Security Firewall	-	47,33,531	-	47,33,531	-	-	19,01,412	40%	19,01,412	28,32,119	-
	Total (C)	**8,81,76,275**	**2,49,37,829**	**-**	**11,31,02,604**	**7,64,21,562**	**-**	**1,60,52,969**		**9,00,74,601**	**2,30,79,031**	**1,86,74,669**
	Grand Total (A+B+C)	**3,10,91,49,315**	**1,11,01,35,606**	**13,07,03,404**	**4,06,05,26,911**	**27,81,12,999**	**26,67,416**	**11,30,51,686**		**38,74,97,389**	**3,70,10,81,301**	**2,83,10,36,415**

Accountant
NIT Delhi

Asst. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
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 Securites	-		-	
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: 27/06/2024
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 Securites	-		-	
3	Other approved Securities	-		-	
4	Shares	-		-	
5	Debentures and Bonds	-		-	
6	Others (to be specified)	-	-	-	-
	Total		-		-

Accountant
NIT Delhi

Asstt.Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
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		14,35,936		11,17,804	
h)	Water supply material		-		-	
i)	Stock-in-trade		-	14,35,936	-	11,17,804
2	**Sundry Debtors**	**Annexure 'G'**		1,02,64,244		46,77,111
3	**Cash balances in hand**					
a)	Imprest given to staff	**Annexure 'E'**	7,24,999		1,85,998	
b)	Cash in hand		-		-	
c)	Franking Machine Balance		4,058	7,29,057	4,058	1,90,056
4	**4. Bank Balances:**					
a)	**With Scheduled Banks:**					
i)	Bank Of Maharashtra 2059		14,40,454			
ii)	Canara Bank Acc. No. 7559		-		-	
iii)	Canara Bank Acc. No. 8009		-		-	
iv)	Canara Bank Acc. No. 8010		-		-	
v)	Canara Bank Acc. No. 4075		1,05,282		1,709	
vi)	Canara Bank Dr. NIT Delhi 4080		-		-	
vii)	Canara Bank Dr. NIT Delhi DASA 4078		-		-	
viii)	Canara Bank Dr. NIT Fee 4077		3,45,03,766		62,16,519	
ix)	Canara Bank Acc. No. 513		-		-	
x)	Canara Bank Dr. NIT Hostel Fee 4076		-		-	
xi)	Canara Bank Dr. NIT BANS PROJECT		63,470		91,699	
xii)	Canara Bank Acc. No. 1851		-		-	
xiii)	Canara Bank 0108		44,504		43,334	
xiv)	Canara Bank 0109		-		-	
xv)	Canara Bank Acc. No. 6538		1,77,301		5,24,644	
xvi)	BoB Dr. NIT Delhi Capital A/c No. 6535		-		-	
xvii)	BoB Dr. NIT Delhi Endowament Fund A/c No. 6539		5,49,614		10,03,705	
xviii)	BoB Dr. NIT Delhi Projects A/c No. 6537		34,77,589		35,15,872	
xix)	BoB Dr. NIT Delhi Salary A/c No. 6538		-		-	
xx)	BoB Dr. NIT General A/c 6540		1,56,38,591		47,05,337	
xxi)	BoB NIT Delhi A/c No. 6394		3,00,314		1,08,55,372	
xxii)	BoB PIECON 2022		1,87,303		3,07,923	
xxiii)	GIAN NIT DELHI A/C No. 1889		861		639	
xxiv)	UBI bank A/c no. 1014		70,869		70,869	
xxv)	ICICI bank A/c no. 1915		31,71,445		1,67,48,993	
xxvi)	SBI Acc. No. 4566		17,558		17,086	
xxvii)	ICICI bank A/c no. 1801		2,07,32,991		89,05,202	
xxviii)	RBI A/C 1001(object head -31)		-		-	
xxix)	RBI A/C 1001(object head -35)		-		-	
xxx)	RBI A/C 1001(object head -36)		-	8,05,07,721	-	5,30,08,903
b)	**Term Deposits**					
i)	With Canara bank	**Annexure to Sch'7'**	3,10,88,253		3,50,00,000	
ii)	With Bank of Baroda	**Annexure to Sch'7'**	57,96,49,690		51,00,00,000	
iii)	With ICICI Bank	**Annexure to Sch'7'**	29,93,09,575	91,00,47,518	17,50,00,000	72,00,00,000
	Total			**1,00,39,78,976**		**77,89,93,873**

Accounts
NIT Delhi

Asstt Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Statements showing investment details as on 31.03.2024

Amount in Rs.

S.No.	FD No:	Bank Name	Date of FDR Made	Opening Balance	Accrued Interest as on 31.04.2022	Date of Addition	Addition	Interest Earned on FDR's During the year 2023-24	TDS refund by bank	Interest Earned (Net of TDS) on FDR's During the year 2023-24	Matured/Encashed		Date of encashment/ Maturity	Maturity Amount	Intt. accrued as on 31st March 2024	FDRs Balance as on 31.03.2024
											Principal	Interest				
1	140087147813	Canara Bank	02-Mar-23	2,50,00,000	1,55,069	-	-	18,26,230	-	18,26,230	2,50,00,000.00	19,81,301.00	02-03-2024	2,69,81,301	-	-
2	2983401009930/1	Canara Bank	03-Feb-23	30,00,000	44,306	-	-	94,139	-	94,139	30,00,000.00	1,38,445.00	03-05-2023	31,38,445	-	-
3	2983401009930/2	Canara Bank	03-Feb-23	30,00,000	44,306	-	-	94,139	-	94,139	30,00,000.00	1,38,445.00	03-05-2023	31,38,445	-	-
4	140108731860/3	Canara Bank	03-05-2023				3,00,00,000	14,72,725		14,72,725	-	-		-	3,84,472	3,10,85,253
5	30320100021462	Bank of Baroda	24-Jan-24	10,00,00,000	54,31,989	-	-	79,09,597	-	79,09,597	-	-		-	13,11,648	10,78,29,938
6	30320100021463	Bank of Baroda	24-Jan-24	10,00,00,000	54,31,989	-	-	79,09,597	-	79,09,597	-	-		-	13,11,648	10,78,29,938
7	30320100021464	Bank of Baroda	24-Jan-24	10,00,00,000	54,31,989	-	-	79,09,597	-	79,09,597	-	-		-	13,11,648	10,78,29,938
8	30320100021466	Bank of Baroda	24-Jan-24	10,00,00,000	54,31,989	-	-	79,09,597	-	79,09,597	-	-		-	13,11,648	10,78,29,938
9	30320100021465	Bank of Baroda	24-Jan-24	10,00,00,000	54,31,989	-	-	79,09,597	-	79,09,597	-	-		-	13,11,648	10,78,29,938
10	30320100021470	Bank of Baroda	26-Jan-23	50,00,000	41,375	-	-	73,018	-	73,018	50,00,000.00	1,14,393.00	27-07-2023	51,14,393	-	-
11	30320100021474	Bank of Baroda	26-Jan-23	50,00,000	41,375	-	-	73,018	-	73,018	50,00,000.00	1,14,393.00	27-07-2023	51,14,393	-	-
12	30320100022439	Bank Of Baroda	23-Jun-23	-			5,00,000	28,609		28,609	-	-		-	28,609	5,00,000
13	30320100023041	Bank Of Baroda	22-Sep-23				2,90,00,000	11,50,572		11,50,572	-	-		-	11,50,572	2,90,00,000
14	30320100023133	Bank Of Baroda	09-Oct-23				1,10,00,000	3,79,548		3,79,548	-	-		-	3,79,548	1,10,00,000
15	461013000104	ICICI Bank	20-Sep-23				3,60,00,000	14,04,100		14,04,100	-	-		-	14,04,100	3,60,00,000
16	461013000179	ICICI Bank	06-Mar-24				9,50,00,000	5,07,944		5,07,944	-	-		-	5,07,944	9,50,00,000
17	461013000168	ICICI Bank	15-Feb-24				5,11,00,000	5,04,406		5,04,406	-	-		-	5,04,406	5,11,00,000
18	461013000169	ICICI Bank	15-Feb-24				5,11,00,000	5,04,406		5,04,406	-	-		-	5,04,406	5,11,00,000
19	461013000025	ICICI Bank	28-Apr-22				80,54,788	2,90,911		2,90,911	-	-		-	2,90,911	80,54,788
20	461013000026	ICICI Bank	28-Apr-22				80,54,787	2,90,911		2,90,911	-	-		-	2,90,911	80,54,787
21	461013000165	ICICI Bank	11-Dec-23				2,10,00,000	4,87,568		4,87,568	-	-		-	4,87,568	2,10,00,000
22	461013000151	ICICI Bank	22-Dec-23				3,50,00,000	7,33,001		7,33,001	-	-		-	7,33,001	3,50,00,000
23	092910031339	ICICI Bank	23-Jan-23	50,00,000	44,247	-		14,965	14,965	-	50,00,000.00	44,247.00	28-04-2023	50,44,247	-	-

24	092910001340	ICICI Bank	23-Jan-23	30,00,000	44,247	-		14,965	14,965	-	30,00,000.00	44,247.00	28-04-2023	30,44,247	-	-
25	092910049748	ICICI Bank	23-Jan-23	3,00,00,000	3,75,403	-		13,47,685	37,541	12,10,144	3,00,00,000.00	13,85,547.00	14-11-2023	3,13,85,547	-	-
26	661013000001	ICICI Bank	24-Mar-23	3,00,00,000	49,082	-		14,34,174	-	14,34,174	3,00,00,000.00	14,83,256.00	22-12-2023	3,14,83,256	-	-
27	661013000002	ICICI Bank	24-Feb-23	30,00,000	31,452	-		2,11,551	-	2,11,551	30,00,000.00	2,43,003.00	11-12-2023	32,43,003	-	-
28	661013000004	ICICI Bank	24-Feb-23	30,00,000	31,452	-		2,11,286	6,291	2,04,995	30,00,000.00	2,36,447.00	11-12-2023	32,36,447	-	-
29	661013000005	ICICI Bank	24-Feb-23	30,00,000	31,452	-		2,11,418	3,145	2,08,273	30,00,000.00	2,39,725.00	11-12-2023	32,39,725	-	-
30	661013000006	ICICI Bank	24-Feb-23	30,00,000	31,452	-		2,11,418	3,145	2,08,273	30,00,000.00	2,39,725.00	11-12-2023	32,39,725	-	-
31	661013000008	ICICI Bank	24-Feb-23	30,00,000	29,032	-		2,16,719	2,903	2,13,815	30,00,000.00	2,42,847.00	22-12-2023	32,42,847	-	-
32	661013000012	ICICI Bank	06-Mar-23	8,00,00,000	6,10,968	-		56,30,213	61,097	55,69,116	8,00,00,000.00	60,00,081.00	06-03-2024	8,60,00,081	-	-
Total				72,00,00,000	83,44,163	-	36,98,09,575	5,88,47,620	1,34,082	5,87,43,570	22,00,00,000	1,28,43,102	4,77,874	23,28,43,102	1,42,26,688	91,00,47,518

Accountant
NIT Delhi

Asstt Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Loans & and Deposits

Schedule 8

Amount in Rs.

S.No.	Particulars		Current Year		Previous Year	
1	**Advances to Employee:(Non Interest Bearing)**					
a)	Salary		-		-	
b)	Festival		-		1,800	
c)	For Expenses (**Annexure 'F'**)		2,30,399	2,30,399	5,88,593	5,90,393
2	**Long Terms to Employee :(Interest Bearing)**					
a)	Vehical Loan		-		-	
b)	Home Loan		-		-	
c)	Other to be Specified		-	-	-	-
3	**Advances and other amounts recoverable in cash or in kind or for value to be received:**					
a)	On Capital Accounts		-		-	
b)	TDS		13,45,82,628		98,13,00,000	
c)	Interest Free Mobilization to NBCC		2,47,24,119		3,17,85,583	
d)	Delhi GOVT		-		40,320	
e)	Employment News		-		22,752	
f)	Advance JRF Fellowship [Abhay Kumar]		1,24,320		-	
g)	Av Associates Bhilai [Amount To Be Recovered]		16,226		-	
h)	DAVP [Advance]		82,522		-	
i)	India Habitat Centre		2,28,228		-	
j)	Reliance Jio Infocomm Ltd. [Advance]		1,250		-	
k)	Advance Salary to Outsourcing Employees Aug 2023		24,284		-	
l)	Indraprastha Gas Ltd. QD		118		-	
m)	IEE Delhi Section [Advance]		57,200		-	
n)	Inderprastha Gas Ltd. / CNG Debit Card)		1,912		-	
o)	ND Distributors Krishna Energies HP Gas Security		2,164		-	
p)	Pacemaker Solution [GST on AMC Advance Payment		1,16,204		-	
q)	Security DEM Seller Account		25,000	1,15,99,88,175	-	1,01,31,48,655
4	**Prepaid Expenses**					
a)	E - Journals prepaid				74,18,858	
b)	Subscription Charges		25,055		5,658	
c)	Rent		3,15,000		1,80,000	
d)	Website & Domain charges		2,930		14,595	
e)	Insurance Expenses		16,385	3,59,390	17,009	76,36,320
5	**Deposits**					
a)	Telephone (MTNL)		10,000		10,000	
b)	Lease Rent (AMK)		33,48,900		33,48,900	
c)	Security Deposit - TPDDL		6,38,331	39,97,231	6,38,331	39,97,231
6	**Accrued Income :**					
a)	On Investments from Earmarked/Endowment Funds		-		-	
b)	On Investments-Others		-		-	
c)	On Loan and		-		-	
d)	On Term Deposits		1,42,24,688		85,64,163	
e)	On saving Account		-	1,42,24,688	-	85,64,163
7	**Other - Current assets receivable from UGC/Sponsored Projects**					
a)	Debit balance in Sponsored Projects		-		-	
b)	Debit balance in Sponsored fellowship & Scholarships		-		-	
c)	Grant Receivable from Govt. of India (MHRD)		-		-	
d)	Other Receivable from UGC		-	-	-	-
8	**Claims Receivable**					
a)	TDS Receivable		14,05,120		3,91,930	
b)	TCS Receivable		67,808		67,808	
c)	Others		-	4,72,928	-	4,59,738
	Total			**1,18,02,72,811**		**1,03,43,96,699**

Accountant
NIT Delhi

Asstt. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Fee from Students

Schedule 9

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
1	**Academic**		
a)	Tution Fee	8,45,77,131	6,45,46,218
b)	Admission Processing Fee	54,09,000	43,37,500
c)	Computer and Internet Fee	47,75,000	37,16,000
d)	Enrollments Fee	-	-
e)	Library Admission Fee	-	-
f)	Laboratory Fee	-	-
g)	Art and craft Fee	-	-
h)	Registration Fee	-	-
i)	Syllabus Fee	-	-
j)	Fee Received From Unregistered Students	-	-
	Total (A)	**9,47,61,131**	**7,26,99,718**
2	**Examinations**		
a)	Admission Test Fee	-	-
b)	Annual Exam Fee	-	-
c)	Mark Sheet, Certificate Fee & Transcripts	-	-
d)	Transcript & Transcript Certificate Charges	700	60,992
e)	Duplicate Marksheet Charges	800	8,200
f)	Make Up Exam Fee and Exam Mode Fee	8,67,600	1,63,300
	Total (B)	**8,69,100**	**2,32,492**
3	**Other Fees/Charges**		
a)	Identity Cards Fee	1,27,700	16,400
b)	Fine/Late fees/Miscellaneous Fee	7,66,093	55,382
c)	Students Certificate Charges	30,249	72,100
d)	Contingency Fees	12,40,000	2,65,000
e)	Original Degree Charges	19,000	03,100
f)	Processing charges (on security deposit refund to students)	2,19,000	2,06,000
g)	Postage charges from students	11,839	45,648
h)	Academic Verification Charges	51,815	20,101
i)	Study Mode Fees	-	3,400
j)	Phonostate charges from students	2,74,979	26,490
k)	PHD Thesis Fees	2,50,000	4,50,000
l)	Convocation Fee	-	-
m)	Hostel Fee	4,05,35,622	3,42,22,917
	Total (C)	**4,38,26,297**	**3,51,86,538**
4	**Sale of Publication**		
a)	Sale of Admission forms	-	-
b)	Sale of Syllabus and Question Paper etc	-	-
c)	Sale of prostectus including admission forms	-	-
	Total (D)	-	-
5	**Other Acedimic Receipts**		
a)	Registration Fee for WorkShop, Programme & Seminar &	-	-
b)	Registration Fee(Academic Staff College)	-	-
	Total (E)	-	-
	Grand Total (A+B+C+D+E)	**13,91,56,528**	**10,84,18,748**

Accountant
NIT Delhi

Asstt.Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Grants / Subsidies (Irrevocable Grants Received)

Schedule 10

Amount in Rs.

Particulars	GRANT-IN-AID			Current Year	Previous Year
	OH-31 (General)	OH 35 - (Creation of Capital Assets)	OH 36 - (Salary)		
Balance B/F	48517	8610970	6994377	1,56,53,864	52,19,31,984
Add: Sanction during the year	198900000	1106100000	156600000	1,46,16,00,000	1,36,13,00,000
Less: RBI TSA balance lapse as on 31.03.2022				-	(55,23,750)
Add: RBI TSA Balance lapse on 31.03.2022 (Rectification)				-	22,500
Add: Ununtilised Grant Transferred			1,64,712	1,64,712	-
Total	19,89,48,517	1,11,47,10,970	16,37,59,089	1,47,74,18,576	1,87,77,30,734
Less: Refund to UGC				-	-
Balance	19,89,48,517	1,11,47,10,970	16,37,59,089	1,47,74,18,576	1,87,77,30,734
Less: Utilised for Capital expenditure (A)	-	97,94,28,996	-	97,94,28,996	1,54,40,86,135
Less: utilized for Revenue Expenditure (B)	19,89,48,517		16,37,59,089	36,27,07,606	31,79,90,735
Balance C/F (C)	**0**	**13,52,81,974**	**-**	**13,52,81,974**	**1,56,53,864**

*Balance in OH -35 Given as advance for Capital Expenditure for institute campus.

Accountant
NIT Delhi

Asstt. Registrar
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Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Income from Investments

Schedule 11

Amount in Rs.

S.No.	Particulars	Earmarked Fund/Endownments		Other Investments	
		Currents year	Previous year	Currents year	Previous year
1	Interest				
a)	On Govt. Securities	-	-	-	-
b)	Other Bonds/Debentures	-	-	-	-
2	Interest on FDRs (Incl. Auto Sweep) - IRG	-	-	4,47,73,811	1,20,29,670
	Interest on FDRs (Incl. Auto Sweep) - Non-TSA Fund			-	42,27,353
	Less: Interest transferable to Ministry			-	-
3	Income Accrued but not received on term deposits (Incl. Auto Sweep)	-	-	1,42,24,688	85,64,163
4	Others (Specify) - Interest On Income Tax Refund	-	-	5,952	47,952
	Total	**-**	**-**	**5,90,04,451**	**2,48,69,138**
	Transferred To Earmarked/Endowment Funds	-	-	-	-
	Balance	-	-	**5,90,04,451**	**2,48,69,138**

Accountant
NIT Delhi

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NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Interest Earned

Schedule 12

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
1	**On Savings Accounts:**		
a)	With Scheduled Banks	19,49,980	53,89,768
	Less: Transferred to Projects/scholarship amount	(1,13,996)	(42,492)
2	**On Loans:**		
a)	Employees/Staff	-	-
b)	Others	-	-
3	**Interest on Debtors and Other Receivables**		
a)	With Non-Scheduled Banks	-	-
b)	Post Office Savings Accounts	-	-
c)	Others	-	-
	Total	**18,35,984**	**53,47,276**

Accountant
NIT Delhi

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Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

Other Income

Schedule 13

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
A	**Income from Land & Buildings**		
1	Hostel Room Rent	-	-
2	License fee	75,800	50,128
3	Hire Charges of Auditorium/Play ground/Convention Centre, etc	-	-
4	Electricity charges recovered	3,99,153	-
5	Water charges recovered	-	-
	Total A	**4,74,953**	**50,128**
B	**Sale of Institute's publications**	-	-
C	**Income from holding events**		
1	Gross Receipts from annual function/ sports carnival	-	-
	Less: Direct expenditure incurred on the annual function/ sports carn	-	-
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)	-	-
	Total C	**-**	**-**
D	**Others**		
1	Income from consultancy	-	15,29,803
2	RTI fees	-	60
3	Income from Royalty	-	-
4	Application Fees (Recruitment)	24,71,100	19,72,130
5	Misc. receipts (Sale of tender form, waste paper, etc.)	10,400	4,480
6	Profit on sale/disposal of Assets		
a)	Owned Assets	-	-
b)	Assets received free of cost	-	-
7	Grants/Donations from Institutions, Welfare Bodies and International Organizations	-	-
8	Others		
a)	ID card Charges (Other than from students)	200	200
b)	Income from Guest House	4,92,514	1,45,662
c)	Bus Charges	16,500	4,500
d)	Other Income	11,26,271	8,801
e)	Late Delivery, Penalty etc.	12,44,494	71,356
f)	Vehicle Charges Recovery	59,266	20,127
g)	PhD Application Fees	51,200	1,82,500
h)	Institute overhead charges from various project/programmes	3,70,757	70,000
i)	Notice Period Recovery	19,383	-
j)	Gratuity Amount of transferred Faculty Member	11,28,771	-
k)	Leave Salary of Transfered Member	1,67,955	-
l)	Rent Income	7,08,502	1,19,988
	Total D	**78,67,313**	**41,29,607**
	Grand Total (A+B+C+D)	**85,42,266**	**41,79,735**

Accounts Officer
NIT Delhi

Asstt. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
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	7,85,154	2,833
2	Income from Investments	-	-
5	Interest earned	-	-
4	Interest on Income tax refund	-	6
5	License Fee	-	560
6	Prior Period Income -Rent	5,16,972	-
7	Prior Period Income -Reversed	(1,64,712)	
	Total	**11,37,414**	**3,399**

Accountant
NIT Delhi

Asstt. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Staff Payments & Benefits (Establishment Expenses)

Schedule 15

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
1	Salaries and Wages	8,00,63,943	10,53,03,592
2	Allowances and Bonus	6,27,63,697	-
3	Employer Contribution to CPF	-	-
4	Contribution to Other Fund (NPS Employer Share)	1,53,63,475	1,13,48,798
5	Staff Welfare Expenses	-	-
6	Retirement and Terminal Benefits	1,13,25,993	3,07,36,343
7	LTC	11,69,800	7,27,663
8	Medical facility	25,17,800	24,94,830
9	Children Education Allowance	14,02,800	8,37,000
10	Honorarium	-	25,000
11	Others	-	
a)	CPDA	15,16,391	8,91,521
b)	Composite Transfer Grant and Relocation Expenses	-	1,37,371
c)	DA Arrear	19,03,040	15,24,193
d)	Earned Leave Encashment	6,40,220	2,60,003
e)	Gratuity Expenses	-	25,54,847
f)	Leave salary & Pension Contribution	16,63,970	9,62,601
	Total	**18,03,51,129**	**15,78,03,762**

Accountant
NIT Delhi

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Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
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 01.04.2023	-	2,25,87,251	4,21,26,953	6,47,14,204
2	Addition: Capitalized value of Contributions Received from other Organizations	-	-	-	-
3	Less: Actual Payment during the Year (b)	-	-	-	-
4	Balance Available on 31.03.2024 [c = (a-b)]	-	2,25,87,251	4,21,26,953	6,47,14,204
5	Provision required on 31.03.2024 (a)	-	2,55,69,342	5,04,70,855	7,60,40,197
A.	**Provision to be made in the Current year [(d-c)]**	-	29,82,091	83,43,902	1,13,25,993
B.	**Contribution to New Pension Scheme & CPF**	-	-	-	-
C.	**Medical Reimbursement to Retired Employees**	-	-	-	-
D.	**Travel to Hometown on Retirement**	-	-	-	-
E.	**Deposit Linked Insurance Payment**	-	-	-	-
	Total (A+B+C+D+E)	-	**29,82,091**	**83,43,902**	**1,13,25,993**

Accountant
NIT Delhi

Asstt Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Academic Expenses

Schedule 16

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
1	Laboratory expenses	15,37,038	8,52,560
2	Field work/Participation in Conferences	1,78,000	-
3	Expenses on Seminars/Workshops	-	-
4	Sitting Fees - visiting experts	8,99,122	7,79,507
5	Examination	-	-
6	Student Welfare Expenses	-	-
7	Admission expenses	-	-
8	Convocation expenses	-	23,90,727
9	Hostel Expenses (Accomodation Exp)	54,728	-
10	Publications	-	-
11	Stipend/means-cum merit Scholarship	-	-
12	Subscription Expenses	-	-
13	Sports Expenses	10,43,229	-
14	Trainning and Placement Expenditure	-	-
		-	-
	Others (specify)	-	-
15	Library Expenses	3,31,482	89,160
16	Academic Expenses	46,132	-
17	Travelling Exps - visiting experts	6,60,460	2,74,860
18	Transcript Expenses	22,066	63,897
	Total	**47,72,257**	**44,50,711**

Accountant
NIT Delhi

Asstt Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Administrative and General Expenses

Schedule 17

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
1	**Infrastructure**		
a)	Electricity and power	3,62,91,841	2,42,34,903
b)	Water charges (Including License Fees)	9,08,634	8,80,338
c)	Insurance	-	-
d)	Rent, Rates and Taxes (including property tax)	4,01,11,652	3,03,16,280
2	**Communication**		
a)	Postage,Telephone ,Fax and Internet Charges	22,76,337	37,30,558
3	**Expenses on Contractual & Outsourced employees**		
a)	Salary to Contractual Staff	87,52,186	1,34,14,807
b)	Outsourced Employees Expenses	3,13,61,855	2,87,20,394
4	**Fest Expenses**		
a)	Zeal 2023	2,88,150	-
b)	Work Shop/seminar/conference/Cultural Exps.	9,82,920	5,63,917
5	**Others**		
a)	NIT Transit House Contribution	3,50,000	3,50,000
b)	Professional Charges (Incl. Sitting Fees)	38,83,747	21,99,455
c)	Printing and Stationery	20,88,190	19,09,717
d)	Travelling and Conveyance Expenses	8,73,818	8,64,303
e)	Stipend (Incl. Post Doctoral Fellowship)	3,59,73,605	3,54,86,257
f)	Auditors Remuneration	89,800	1,63,205
g)	Statutory Bodies Meeting and Various Meeting	92,596	2,86,854
h)	Security Expenses	1,63,26,976	1,40,63,398
i)	E- Journals & Periodical Subscription Fee	87,45,298	98,59,009
j)	Campus Shifting charges	-	6,26,691
k)	Misc Exp	6,52,91	3,82,889
l)	Misc Exp (IRG)	83,867	-
m)	Rajbhasha Exp	2,40,000	
n)	Late Fee, Interest & Others-GST	13,537	17,246
o)	Advertisement and Publicity	57,403	6,20,895
p)	News Paper, Magazines etc	14,635	22,872
q)	Boarding & Lodging and Guest House Expenses	2,310	1,32,997
r)	Website related expenses	37,337	33,974
s)	AMC Charges	11,50,380	17,26,152
t)	DSC Expenses	7,406	5,778
u)	Housekeeping Expenses	1,96,126	2,74,412
v)	Refreshment	7,99,296	5,44,160
w)	Orientation Programme Expenses (IRG)	3,95,408	1,80,040
x)	Horticulture Expense	2,62,939	1,57,821
y)	E-Office Recuring Expenses	3,95,840	2,51,900
z)	Consultancy Expenses	-	7,01,906
aa)	Other Expenses (Admin)	6,45,033	1,53,679
ab)	Recruitment Expenses	21,61,257	16,25,872
ac)	Generator Running Expense	3,88,784	30,999
ad)	Sports Expenses (Admin)	18,000	2,29,551
ae)	Honorarium -Admin	-	10,000
	Total	**19,69,20,271**	**17,47,72,249**

Accountant
NIT Delhi

Asstt.Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Transportation Expenses

Schedule 18

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
1	**Vehicles (owned by institution)**		
a)	Running expenses	6,18,384	2,11,331
b)	Repairs & maintenance	-	-
c)	Insurance expenses	1,61,629	2,430
2	**Vehicles taken on rent/lease/Hiring**		
a)	Rent/lease expenses/Hiring	8,38,876	44,78,485
b)	Running expenses	4,05,535	3,69,589
	Total	**20,24,423**	**50,61,835**

Accountant
NIT Delhi

Asstt.Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Repairs & Maintenance

Schedule 19

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
1	Estate & Building Maintenance	31,84,968	51,35,490
2	Furniture & Fixture	-	-
3	Plant & Machinary	-	-
4	Office Equipments	10,96,795	3,28,982
5	Computer	11,57,138	4,35,983
6	Laboratory & Scientific Equipments	-	-
7	Audio Visual Equipments	-	-
8	Cleaning Material & Services	59,884	-
9	Books Binding Charges	-	-
10	Gardening	-	-
11	Electricity and Electric Repair	2,85,759	3,98,778
	Total	**57,84,544**	**62,99,233**

Accountant
NIT Delhi

Asstt.Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Finance Costs

Schedule 20

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
1	Bank Charges (IRG)	21,745	1,64,260
	Total	**21,745**	**1,64,260**

Accountant
NIT Delhi

Asstt.Registrar
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Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Other Expenses

Schedule 21

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
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	-	-
	Plant Acquisition	-	-
	Total	-	-

Accountant
NIT Delhi

Asstt.Registrar
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Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Prior Period Expenses

Schedule 22

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
1	Establishment expenses	(1,64,712)	2,38,201
2	Academic expenses	-	-
3	Administrative expenses	17,72,252	42,37,520
	Total	**16,07,540**	**44,75,721**

Accountant
NIT Delhi

Asstt.Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

List of Creditors as on 31.03.2024

Annexure 'A'

Creditors For Goods

Amount in Rs.

S.No.	Particulars	Current Year	Previous Year
1	Sotten Engineering India Pvt. Ltd.	31,480.00	-
2	Har Shree Nath	35,027	-
3	Jain Furniture Supplier	-	8,220
4	Kamal Enterprises	-	99,358
5	Lakshmi Industries	20,62,541	-
6	Mitutoyo South Asia Pvt. Ltd.	9,20,847	-
7	M/s Elraf Sales	18,000	-
8	M/s Krishna Medtech	1,10,300	-
9	Nanak Art	13,099	-
10	Pacemaker Solution	-	38,51,959
11	Rk Scientific & Engg. Works	3,48,356	-
12	Saini Refrigration Works	-	8,692
13	VSM Enterprises	-	8,000
	Total	**35,39,984**	**40,21,73,039**

Creditors-Others

S.No.	Particulars	Current Year	Previous Year
1	AGK & Associates	43,200	-
2	Ajay Kumar Cis For Exp	70,50,543	-
3	Akkoshh Bhardwaj	11,285	-
4	Akshay Enterprises	4,91,968	-
5	Amul Parlour (Garima Anand)	16,584	-
6	Anul Kunist	4,000	-
7	Anil Arora (Cis for Exp)	9,000	9,000
8	Anil Kumar (Ex-MES)	2,310	-
9	Anurag Singh (Cis for Exp)	1,74,605	36,530
10	Arun Kumar (O.A) Cis For Exp.	6,000	-
11	Avantech Engineering Consortium Pvt. Ltd.	12,040	-
12	A.V. Associates	24,490	6,977
13	Bharat Singh Cis For Exp	1,950	-
14	BNRL Corporate Office	9,000	-
15	Citizent Security Services Pvt Ltd	-	72,117
16	Dariaishan Cis For Exp	3,000	-
17	Delhi Jal Board Creditor For Exp	14,125	-
18	Debtors For Consultancy	61,14,286	-
19	Dr. Vivek Shrivastava Cis For Exp	27,864	-
20	Edutek equipments (I) Pvt. Ltd.	2,14,004	-
21	Edutech India Pvt. Ltd.	46,54,098	-
22	Frank Cooler Pvt. Ltd	2,10,925	2,54,597
23	Gupta Printing & Stationary Service	40,480	-
24	Hardeep Singh Cis For Exp	12,697	-
25	HK Cafe	348	-
26	International Book Centre	1,67,561	-
27	Jll Limited	1,93,956	-
28	Kapil Kumar Cis For Exp	96,837	-
29	Kishori Pal Cis For Exp	5,000	-
30	Lion India Limited	13,99,322	-
31	Lav Kumar Dubey Creditor For Exp	6,000	-
32	Manish Dhiman	-	277
33	Manisha Singh	28,747	-
34	M/s Glen P. Mathur & Associates Pvt. Ltd.	22,020	-
35	M/s Sandeep Kumar Govt. Contractor	1,15,880	-
36	M/s EBSCO	-	15,09,215
37	M.K Jain (Cis for Exp)	-	3,955
38	Mukul Mishra Cis For Exp	6,789	-
39	Nar Bahadur Cis For Exp	4,000	-
40	NBUBRD	28,72,923	-
41	Nilabh Garg	20,000	-
42	NBCC Payable	-	-

43	Palm Green		14,125	-
44	Pawan Kumar Sharma (Sitting Fee Crs)		-	3,600
45	PIICON 2022 (Refundable)		-	67,260
46	Pranjal Gaur Crs For Exp		5,000	-
47	Praveen Kumar MTS		4,000	-
48	Prof. Ajay Kumar Sharma crs For Exp		3,71,264	-
49	Prof. Uma Rani		3,600	-
50	Punia bansal Crs For Exp		4,000	-
51	Rahul Pa Crs For Exp		6,000	-
52	Rajesh Kumar Driver		4,000	-
53	Rakesh Narang Crs For Exp		3,961	-
54	Ramashish Crs For Exp		34,650	-
55	Ravinder Kumar Crs for Exp		1,54,309	1,826
56	Ravi Bhushan		20,000	-
57	Rohit Crs For Exp		5,000	-
58	Reliance Communication Ltd		-	11,000
59	Recruitment Fees Debtors		7,000	-
60	Sanko Network		-	360
61	Satyendra K Mishra Crs For Exp		2,400	-
62	Sek Kabir		6,000	-
63	Shyam Kishore Cook Crs For Exp		4,000	-
64	Simulation Technologies Pvt Ltd		-	4,33,125
65	Sonu Ex MTS		2,310	-
66	Srinivas Babu		20,000	-
67	Sumit Goyal OA Crs For Exp		4,000	-
68	Tripti OA Crs For Exp		10,000	-
69	Udit Sharma Crs For Exp		5,000	-
70	Upasna Baweja		1,420	-
71	Ved Singh Nirwal		154	-
72	Veg morning Fresh		70	-
73	Veils India (P) Ltd.		1,36,761	-
74	Vikas Kaushik (Crs for Exp)		-	4,940
75	Vladimir Mazalov Crs for Exp.		20,425	20,425
76	ZYE Enterprises		10,83,045	-
77	Deepak Singh-Sitting Fees		3,592	-
78	K. L Singla-Sitting Fees		7,200	-
79	Vijai Shanker Verma-Sitting Fees		6,381	-
80	Vijander Singh-Sitting Fees		5,100	-
81	Kapil Kumar (Advance)		3,500	-
82	Mukul Nakra (Advance)		25,000	-
	Total		**2,41,08,974**	**24,35,240**

Accountant
NIT Delhi

Asstt. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

List of Statutory Dues as on 31.03.2024

Annexure 'B'

Amount in Rs.

S.No.	Particulars		Current Year	Previous Year
1	CGST TDS		1,83,258	1,62,672
2	IGST TDS		1,64,493	2,99,880
3	SGST TDS		1,83,258	1,61,742
4	CGST Payable		1,52,989	1,46,796
5	IGST Payable		7,96,682	1,06,797
6	SGST Payable		1,52,990	74,796
7	TDS on Salary 192B		1,99,437	1,55,935
8	TDS on Contract 194C		1,93,366	26,31,884
9	TDS on Rent 194I		5,73,992	7,36,299
10	TDS on Professional 194J		3,00,514	12,93,235
11	TDS 194Q		8,495	-
12	NPS Payable (Both Employer & Employee)		23,27,378	18,73,188
13	GPF Payable		68,074	14,919
14	GIS Payable		88,398	(1,424)
15	Labour Cess Payable		47,122	-
	Total		54,40,446	76,56,717

Accountant
NIT Delhi

Asstt. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Detail Of Outstanding as on 31.03.2024

Annexure 'C'

Amount in Rs.

S.No.	Particulars	Current Year		Previous Year	
1	Bus Hiring Charges	-		4,90,000	
2	Campus Maintenance	-		4,600	
3	E-Journal Expense	10,30,777		-	
4	Electricity Exp	63,480		17,67,567	
5	Internet Charges	4,63,150		8,80,575	
6	Legal Charges	-		8,000	
7	Newspaper & Periodicals	-		3,800	
8	Other Payable	1,24,667		1,25,562	
9	Professional Charges	1,06,200		48,183	
10	E-Office Expense Payable	-		35,986	
11	Salary Outsourcing Staff	26,36,556		26,45,143	
12	Salary and Wages Contractual	6,58,113		11,22,256	
13	Security Exp.	-		13,09,678	
14	Sports & Creative Arts Society Payable	1,73,500		-	
15	Vehicle Hiring & Running Expenses	-		43,555	
16	Stipend Of Phd	22,24,259		16,41,435	
17	Stipend Of M'tech	8,22,674		8,63,843	
18	Stipend - Post Doctoral Fellowship	1,99,974			
19	AMC Charges	6,96,543			
20	Telephone Exp	8,850	92,08,763	11,800	1,10,02,003
	Establishment Expenses Payable				
19	Salary Payable	1,12,20,926		92,98,750	
20	Leave Salary & Pension Contribution	-		1,04,968	
21	Dr. Ajay K. Sharma Deductions Payable	5,041		2,551	
22	Geeta Sikka Deductions Payable	100		50	
23	Ravinder Kumar Payable	800	1,12,26,867	400	94,06,719
	Unspent balance of Counsellings				
24	CCMT 2017	-		227	
25	CCMT 2019	-		1,10,880	
26	CCMT 2022	-		1,85,000	
27	CSAB 2016	-		47,932	
28	DASA 2019	-		23,512	
29	DASA 2021	-	-	15,000	3,82,551
	Project Expenses Payable				
30	SERB Dr Rimmintra Basu Pyable (CPG/2020/002966)	25,593		-	
31	GIAN, IIT Kharagpur	-	25,593	-	-
	Other Payable				
32	TDS Amount Reimbursable	7,000		-	
33	Amount un-identified	2,86,738	2,93,738	6,66,841	6,66,841
	Total		**2,07,54,961**		**2,14,58,114**

Accountant
NIT Delhi

Asstt. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Details of Earnest Money Deposit and Other Security Deposits

Annexure 'D'

A) Details of Earnest Money Deposit

Amount in Rs

S.No.	Particulars		Current Year	Previous Year
1	Ashok Kumar EMD		10,000	10,000
2	A.S. [illegible] (EMD)		-	[illegible]
3	[illegible] (EMD)		1,24,800	
4	[illegible] Engineering & [illegible] Pvt. Ltd. EMD		[illegible]	
5	[illegible] Engineering Pvt. Ltd. EMD			1,34,000
6	[illegible] EMD		4,000	4,000
7	Blue Star Limited		[illegible]	
8	[illegible] Technologies EMD		[illegible]	
9	[illegible] India [illegible] Pvt. Ltd. EMD		[illegible]	
10	[illegible] Technologies EMD		[illegible]	
11	[illegible] Systems EMD		10,000	11,000
12	[illegible] EMD			[illegible]
13	[illegible] Private Limited		[illegible]	[illegible]
14	[illegible] Enterprises EMD		2,000	3,000
15	[illegible] Pvt. Ltd. EMD		[illegible]	-
16	[illegible] Furniture EMD		3,100	3,100
17	[illegible] & [illegible] Systems EMD		[illegible]	
18	[illegible] Pvt. Ltd. EMD		[illegible]	
19	[illegible] Automation Technologies EMD		[illegible]	
20	[illegible] System Ltd. EMD		[illegible]	[illegible]
21	[illegible] EMD		10,000	10,000
22	[illegible]		10,000	10,000
23	[illegible] Technologies		11,000	11,000
24	[illegible] India EMD		[illegible]	[illegible]
25	[illegible] Solutions EMD		[illegible]	
26	[illegible] Technologies Pvt. Ltd.		[illegible]	
27	[illegible] Associates EMD		4,000	4,000
28	[illegible] EMD		[illegible]	
29	[illegible] Furniture EMD		3,100	3,100
30	[illegible]		[illegible]	[illegible]
31	[illegible] International [illegible] Services Pvt. Ltd. EMD		[illegible]	[illegible]
32	[illegible] Private Limited EMD		[illegible]	-
33	[illegible] EMD		4,000	4,000
34	[illegible] Technologies Pvt. Ltd. EMD			[illegible]
35	[illegible] EMD		[illegible]	[illegible]
36	[illegible] India Pvt. Ltd.		[illegible]	-
37	[illegible] Pvt. Ltd. EMD		-	[illegible]
	Total (A)		**21,44,216**	**20,09,261**

B) Details of Other Security Deposit

S.No.	Particulars		Current Year	Previous Year
1	[illegible] (Security Deposit)		[illegible]	-
2	[illegible] Co. Performance Security		[illegible]	[illegible]
3	[illegible] Technology Pvt. Ltd. (Perfo. Security)		[illegible]	[illegible]
4	[illegible] Private Ltd. Security Deposit		25,000	
5	[illegible] Air Conditioning India Pvt. Ltd. Security Deposit		[illegible]	
6	[illegible] Solutions Security Deposit		[illegible]	
7	International Book Centre (Performance Security)		10,000	10,000
8	[illegible] Ltd.		[illegible]	[illegible]
9	[illegible] Security Deposit		[illegible]	
10	[illegible] Security Pvt. Ltd.		[illegible]	[illegible]
11	[illegible] India Pvt. Ltd. Security Deposit		[illegible]	
12	[illegible] Pvt. Ltd. Security Deposit		[illegible]	
13	[illegible] Limited Performance Security		[illegible]	
14	[illegible] Performance Security		[illegible]	-
15	[illegible] Kumar (Govt. Contractor) Security Deposit		[illegible]	-
16	[illegible] & Co. (Security Deposit)		[illegible]	-
17	[illegible] Security Deposit		[illegible]	[illegible]
18	Performance Security		[illegible]	-
19	[illegible] Security		-	[illegible]
20	[illegible]		[illegible]	[illegible]
21	[illegible] Security Deposit		[illegible]	-
22	[illegible] Associates Security		[illegible]	[illegible]
23	[illegible] Pvt. Ltd.		[illegible]	[illegible]
24	[illegible] Technologies Pvt. Ltd. (Performance Security)		[illegible]	[illegible]
25	Security Deposit [illegible]		-	[illegible]
26	[illegible] Corporation Performance Security		[illegible]	[illegible]
27	[illegible] Services Pvt. Ltd.		[illegible]	
28	[illegible] Security		[illegible]	[illegible]
29	[illegible] Technology Pvt. Ltd. Performance Security		[illegible]	[illegible]
30	Security Deposit [illegible]		[illegible]	[illegible]
31	Security [illegible]		[illegible]	-
32	Security Deposit [illegible] Enterprises		[illegible]	-
33	Security Deposit [illegible]		[illegible]	-
34	Security Deposit [illegible]		[illegible]	-
35	Security Deposit [illegible] Enterprises		[illegible]	-
36	[illegible] India Pvt. Ltd. (Security Deposit)		[illegible]	-
37	[illegible] & Refrigeration Security Deposit		[illegible]	-
38	[illegible] Works Security Deposit		[illegible]	-
39	[illegible] Enterprises Security Deposit		[illegible]	-
	Total (B)		**17,34,653**	**8,65,161**

	Grand Total (A+B)		**38,78,869**	**29,35,406**

Accountant
NIT Delhi

Asst. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: [illegible]/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

List of Imprest Money given to Staff

Annexure 'E'

Amount in Rs.

S.No.	Particulars	Current Year		Previous Year	
A	**Cash Imprest**				
1	Anmol Ratna	-		705	
2	Rikamntra Basu	-	-	3,937	4,642
B	**Imprest Card**		6,25,000		1,07,995
C	**Imprest (Others)**				
1	Geeta Sikka	50,000		-	
2	Sh. Mukul	25,000		25,000	
3	Dr. Rikamntra Basu	24,999	99,999	48,361	73,361
	Total		**7,24,999**		**1,85,998**

Accountant
NIT Delhi

Asstt. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

List of Advances given to Staff

Annexure 'F'

Amount in Rs.

S.No.	Particulars		Current Year	Previous Year
1	Aditi Kandari		-	-
2	Ajay Kumar		25,000	-
3	Amit Kumar Singh		15,000	-
4	Anidev Singh		-	41,859
5	Dr. D Vaithiyanathan		38,469	-
6	Dr. gautam Kumar		5,000	-
7	Dr. harish Kumar		20,000	-
8	Jitender Singh Bisht		-	22,017
9	LTC Advance		1,04,611	3,76,817
10	Mahesh Kumar Singh		22,319	-
11	Amit Pratap Singh		-	50,000
12	Ms. Pooja Khatri		-	2,000
13	Obbu Chandra Shekhar		-	87,900
14	Rakesh Narang		-	2,000
15	Rikmantra Basu		-	4,000
	Total		**2,30,399**	**5,88,593**

Accountant
NIT Delhi

Asstt. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
Place: Delhi

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

List of Debtors as on 31.03.2024

Annexure 'G'

Amount in Rs.

S.No.	Particulars		Current Year	Previous Year
1	Abhishek Singh		-	1,670
2	Anil Kumar (Ex-MTS)		-	137
3	Ashok Tours & Travels		-	25,578
4	Bhupesh Kumar		-	373
5	GGSIP University		-	3,068
6	Jhajjar Power Limited		15,000	-
7	Bank of Baroda (Debtors)		270	-
8	Bharat Heavy Electricals Limited		59,000	-
9	Kanhaiya Tent House		15	
10	Labindo Analytical Instrument Private Limited		3,00,000	-
11	M/s Hot And Crusty		708	-
12	Nexgen Fluropolymers Pvt. Ltd.		900	-
13	Reliance Communication Ltd.		400	-
14	Craftdude Furniture		-	61,824
15	Receivable from Students		86,84,789	36,98,257
16	Recoverable from Canara Bank		-	5,78,083
17	Nanak Arts		-	2,327
18	Gaurav Dwivedi		43,400	43,400
19	Pankaj Chandna (Crs for Exp)		-	10,320
20	Pawan Kumar Sharma Tour and Travels		-	7,200
21	Dharmendra Kumar Crs for Exp		-	22,320
22	Chandra Prakash Crs for Exp		879	879
23	Dr. Harsh Verma Crs For Exp		600	-
24	Cargo Motors Pvt Ltd		-	2,21,675
25	Debtors for Consultancy		11,56,663	-
26	Ramesh Chand Bansal		1,615	-
27	Hariom Kumar Enterprises		6	-
	Total		**1,02,64,244**	**46,77,111**

Accountant
NIT Delhi

Asstt. Registrar
NIT Delhi

Registrar
NIT Delhi

Director
NIT Delhi

Date: 27/06/2024
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 opening net block plus additions during the year) as per 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. 5,000 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	Asstt. Registrar	Registrar	Director
NIT Delhi	NIT Delhi	NIT Delhi	NIT Delhi

Date: 27/06/2024

Place: Delhi

Schedule-24

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

Notes to Accounts and Contingent Liabilities:

1. Physical verification of inventory during the year 2023-24 has been done, and stationary/consumables items are being purchased on need basis.

2. During the year, there is no any unspent balance in RBI TSA Account. However, there is unspent balance of **'Grant under OH-35'** shown under Schedule 3c. It has already been expended and given as advance for infrastructure of institute campus. Balance sheet has been prepared on accrual basis. Therefore, balance grant shown under Schedule 3c which has been given as advance for infrastructure of institute campus.

3. No Fixed Assets has been purchased out of Non-Plan Funds, as the institute is in receipt of Plan Grant only.

4. No Patents have been acquired during the year under consideration.

5. 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.

6. Corresponding figures of the previous year has been regrouped/rearranged, wherever necessary. During the year 2023-24 endowment/earmarked fund balance of previous year and amount receipt during the current year has been transferred and shown current liabilities. This amount has been collected from students with fees. These are considered as current liabilities.

7. There is no dispute in respect of Income Tax, VAT/GST and any other taxes.

8. Provision for the expenses for the year 2023-24 has been made for the expenses which are continuous in nature.

9. Schedule 1 to 24 is annexed to and form an integral part of the balance sheet as at 31st March, 2024 and Income & Expenditure Accounts for the year ended on that date.

10. No contingent liability exists as on 31st March 2024.

11. Completion certificate of buildings are not yet granted by the authority however application for the same has been submitted by NBCC officials. However, Capital W.I.P Rs. 130703404.00 converted as "Building" in Annual Accounts of FY 2022-23 has been reversed in current year and shown as Capital WIP. Depreciation charged on above assets also reversed in current year.

12. Balance Confirmation of Franking Machine of Rs. 4058 is pending. As per institute accounts Rs. 4058 are shown under Current Assets (Schedule-7).

13. In FY 2022-23, provision has been made of Rs. 42.27 Lakhs for interest payable to Ministry. This amount is still payable in current year books.

14. Expenditure on E-journals has been booked under revenue expenditure as payments are made for yearly subscription.

15. Gratuity provision has been raised in FY 2023-24 to Rs. 255.69 Lakhs pursuant to communication received from Ministry that gratuity is now applicable to the institute.

16. Leave Encashment Provision has been increased to Rs. 504.71 Lakhs on the basis of certificate of actuarial valuer.

17. Fees received (all fees) from the students are recognised on due basis and is fully transferred to the Income and Expenditure account for the current Financial year without considering the session for which the Tuition fees has been received.

18. 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.

19. During the year, Prior Period Income of Rs. 13.02 Lakhs and Prior Period Expenses of Rs. 17.72 Lakhs has been booked and Expense of previous year of Rs. 164712 reversed in Schedule 22. Correspondingly Income of previous year of Rs. 164712 also reversed in Schedule 14 and added back as unutilised grant in grant balance.

20. The Institute has following on roll students as on 31.03.2024:

Courses	No. of Students
PhD	161
Post Graduate	
M.Tech	248
Undergraduate	
B.Tech	997

21. The total number of regular Faculty members as on 31.03.2024 is 43 and the salary structure are as follows:
    i. Professor: Pay Level 14A, Rs.159100-220200
    ii. Associate Professor: Pay Level 13 A2, Rs.139600-211300
    iii. Assistant Professor Grade I : Pay Level 12, Rs. 101500-167400
    iv. Assistant Professor Grade II : Pay Level 11, Rs. 68900-117200
    v. Assistant Professor Grade II : Pay Level 10, Rs. 57700-98200

22. The Institute has paid salary from April 2023-March 2024 to Prof Ajay Kumar Sharma, Director NIT Delhi, Rs. 39,63,924. Hence, according to AS-18, 'Related Party Disclosures, the disclosure for related party had been made herewith.

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

Accountant	Asstt. Registrar	Registrar	Director
NIT Delhi	NIT Delhi	NIT Delhi	NIT Delhi

Date: 27/06/2024

Place: Delhi

राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संस्थान)

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

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