ANNUAL REPORT

2024-25



NATIONAL INSTITUTE OF TECHNOLOGY
JAMSHEDPUR -831014, INDIA

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CHAPTER – 01 | THE INSTITUTE

1.1 BRIEF OVERVIEW

National Institute of Technology Jamshedpur, earlier known as Regional Institute of Technology, was established on 15th August 1960 as a joint venture of the Government of India and the Government of Bihar in the chain of RECs (Regional Engineering Colleges) in India with the aim to produce technical graduates of the highest standards who could provide technological leadership to the region. It was among the first eight Regional Engineering Colleges (RECs) established as part of the Second Five-Year Plan (1956 - 1961). This was the only REC in the country which was named RIT (Regional Institute of Technology). Therefore, RIT Jamshedpur was actually the REC of undivided Bihar & Jharkhand. The foundation stone of RIT (REC) Jamshedpur was laid by Dr. Srikrishna Sinha, the then chief minister of Bihar, with the aim of nurturing talent and setting high standards of education and excellence. On 27th December 2002, on the line of all other RECs of India, RIT Jamshedpur (may be read as REC Jamshedpur too) was converted to National Institute of Technology Jamshedpur with the status of a Deemed University as per the decision of the Govt. of India. The Institute is fully funded and governed by the Ministry of Education (MoE), Government of India since 1st April 2003. On 15 August 2007, NIT Jamshedpur was given the status of the Institute of National Importance through an act of Parliament known as the NIT Act. The Institute has 11 departments including engineering, science and humanities. The Institute, with 198 faculties, 4599 students, 181 administrative and supporting staff, functions on a self-contained campus. It is located on the outskirts of Jamshedpur on 341.3 acres of sprawling, wooded land. It combines the natural beauty of the countryside with the urban glamour of an industrial area. The flowing river and picturesque backdrop of low hills on one side and large tracts of forest on the other make the campus an ideal place for higher learning and research. It has been growing from strength to strength ever since it was established in 1960. Situated in the heart of the rich mineral and industrial belt of Jharkhand State, the campus encompasses the Main building, the Library, the Computer Centre, 15 hostels (8 Boys hostels and 7 Girls hostels), staff quarters, Guest House, a Students Gymkhana, a Post-office, a branch of State Bank of India, two ATMs, central store, a dispensary, a school (DAV Public School), and a family club. The hostels and departments are connected with high-speed LAN. The institute maintains courts for basketball, volleyball, badminton, and tennis. Apart from this, it also has cricket, hockey and football grounds. The institute is poised for a bright and promising future. The courses have been completely restructured and prepared as per the needs of society and industries. There is refreshing development on every front. The institute has achieved impressive placement for its students, with top industrial houses and software companies recruiting students in large numbers.

NIT Jamshedpur is situated in the western part of the city of Jamshedpur which is in the southern end of the state of Jharkhand which in turn is bordered by the states of Orissa and West Bengal. It is just far enough to ensure that the city with its noise is too distant to distract and just near enough to guarantee that all city facilities are immediately available. The institute is strategically located with the unique advantage of being surrounded by giant and medium-scale industries like Tata Steel, Tata Motors, Tata Cummins, Indian Steel Wire Products, Tata Tubes, Tinplate Company, Tata Timken, etc. and reputed Institutes like the National Metallurgical Laboratory, Xavier Labour Relations Institute, MSME Tool Room Jamshedpur etc.

The overall placement record of the institute in this academic session (2024-25) has been excellent; amounting to 94.78% with an average overall CTC of 13.62 LPA and Maximum CTC of 1.44 Cr. PA.



1.2 VISION & MISSION

VISION

- To be one of the premier technical institutions for its academic excellence and innovative research to meet the future needs of the society

MISSION

- To build a conducive environment for learning and creativity.
- To train students to become technically competent professionals and socially responsible citizens.
- To develop innovative products and technologies for the betterment off society.

1.3 GOALS

- To offer effective teaching-learning to students.
- To provide the knowledge and skills to students to become global citizens and socially responsible.
- Training the students to meet the changing needs due to rapid technological advancement so that they may offer society and industry the necessary technologies to become self-reliant.
- To provide facilities, infrastructure, and resources to conduct meaningful research and to develop an understanding and awareness of the social relevance of indigenous materials, capacities, and technologies.
- To act as centres of excellence in technical education catalyzing absorption, innovation, diffusion, and transfer of higher technologies for improved productivity & quality of life at the national and global levels.
- To have regional consideration regarding local needs, relevance, strength, limitations, and community services.

1.4 PRIORITIES FOR ACADEMIC EXCELLENCE

- Modification of curricula in line with NEP 2020
- Well qualified faculty.
- Effective teaching, research, and learning processes.
- Strong leadership and good governance (processes and procedures, clear communication of policies, transparent and fair processes, supporting culture).
- Development of learning resources, infrastructure, and technologies.
- Industry and Alumni relations.
- Involvement of people (students, faculty, staff, and alumni.
- The welfare of the people (Students, faculty, and staff).
- Community welfare and economic development.



DIRECTOR'S DESK

1.5 GREETINGS FROM THE DIRECTOR



Greetings!

It gives me immense pleasure to present the Annual Report of the National Institute of Technology Jamshedpur for the academic year 2024–25. This year has been one of remarkable progress, reflecting our steadfast pursuit of academic excellence, innovation, and holistic growth. I am proud to share that our institute has secured the 82nd position in the National Institutional Ranking Framework (NIRF) 2024, reaffirming our growing national standing and the collective efforts of our faculty, students, staff, and alumni.

During this year, the institute continued to build on its legacy of academic strength and societal relevance. Our faculty members have excelled in research and innovation, contributing significantly through funded projects, publications, and patents that address real-world challenges. Students of the Institute have once again demonstrated excellence not only in academics but also in co-curricular and extra-curricular pursuits, winning laurels at national and international forums.

The year witnessed further strengthening of our industry–academia collaborations, with the continuation of the 2nd Industry Academia Conclave and new partnerships that facilitate internships, joint research, and technology-driven problem solving. These efforts have ensured that our curriculum remains aligned with emerging industrial needs and global standards.

Our placement performance remained commendable, reflecting the high employability and competence of our graduates. The institute also continues to see an encouraging rise in the number of students opting for higher studies and research, underscoring our emphasis on nurturing future innovators and thought leaders.

In our pursuit of excellence, infrastructure development has remained a priority. Major projects for new academic blocks, laboratories, and student facilities are underway, enhancing the quality of learning, research, and campus life. At the same time, we have introduced new academic programs in cutting-edge and interdisciplinary domains to meet the evolving demands of the technological landscape.

Social responsibility and inclusivity continue to guide our mission. Initiatives promoting sustainability, community engagement, and wellness have been integrated into the campus ecosystem, ensuring the holistic development of our students into responsible global citizens.

As we reflect on this year's achievements, I extend my heartfelt gratitude to our dedicated faculty, motivated students, diligent staff, supportive alumni, and valued industry and institutional partners. Your unwavering support and commitment continue to strengthen the foundation of NIT Jamshedpur.

Looking ahead, we remain resolute in our vision to propel the institute to greater heights through academic rigor, impactful research, and societal contribution. Together, let us continue to uphold the values of integrity, innovation, and excellence as we build a brighter future for our nation and beyond.

With Best Regards
Prof. Goutam Sutradhar
DIRECTOR

ADMINISTRATION

1.6 BOARD OF GOVERNORS

The Board of Governors is the apex administrative body. The Director is the Principal Academic and Executive Officer of the Institute and is responsible for the proper administration of the Institute and for imparting instructions and maintenance of discipline therein. The Board of Governors of the National Institute of Technology (NIT) - Jamshedpur (Jharkhand) as per Section 11 of the NIT Act,2007 and NIT(Amendment) Act 2012

S. N.	NAME AND DESIGNATION OF NOMINATED PERSONS	SERVES AS
1.	Prof. Goutam Sutradhar, Director, NIT Jamshedpur	Chairman (I/C)
2.	Mr. Hariharan Sundaram S., Under Secretary, IFD, MoE Nominee of JS & FA, MoE	Member
3.	Ms. Garima Sharma, Dy. Secretary, DHE, MoE Nominee of JS (NIT) MoE	
4.	Prof. T. N. Singh, Director, IIT Patna	
5.	Prof. Rabindra Nath Mahanty, Senate Nominee, NIT Jamshedpur	
6.	Dr. Dulari Hansdah, Senate Nominee, NIT Jamshedpur	
7.	Col. (Dr.) Nisheeth Kumar Rai (Rtd.), Registrar, NIT Jamshedpur	Secretary (Ex-officio)

1.7 FINANCE COMMITTEE

The Finance Committee of the National Institute of Technology (NIT) - Jamshedpur (Jharkhand) as per Section 10(1) of the NIT Statutes and with the approval of the competent authority is as follows:

S. N.	NAME AND DESIGNATION OF NOMINATED PERSONS	SERVES AS
1.	Prof. Goutam Sutradhar, Director, NIT Jamshedpur	Chairman (I/C)
2.	Mr. Hariharan Sundaram S., Under Secretary, IFD, MoE Nominee of JS & FA, MoE	Member
3.	Ms. Garima Sharma, Dy. Secretary, DHE, MoE Nominee of JS (NIT) MoE	
4.	Prof. T. N. Singh, Director, IIT Patna	
5.	Col. Nisheeth Kumar Rai (Rtd.), Registrar, NIT Jamshedpur	Ex-officio Member, Secretary

1.8 BUILDING WORKS COMMITTEE

The members of building works committee of the National Institute of Technology (NIT) Jamshedpur (Jharkhand) as follows:

S. N.	NAME	DESIGNATION
1.	Prof. Goutam Sutradhar Director, NIT Jamshedpur	Chairman (Ex-officio)
2.	Shri Harihara Sundaram S., Under Secretary, IFD, MoE, Nominee of DS(IFD), MoE	Member
3.	Er. Sudhir Kumar, ESE/Jamshedpur, JBVNL, GoJ	
4.	Er. Vivek Prakash Srivastava, Chief Engineer, IIT Kharagpur	
5.	Prof. U. K. Sinha, Dean (P&D)	
6.	Dr. A.K. Sinha, Associate Professor, CED, NIT Jamshedpur	
7.	Col. (Dr.) Nisheeth Kumar Rai (Rtd.), Registrar, NIT Jamshedpur	Ex-officio Member, Secretary

1.9 SENATE

List of Members, Senate

S. N.	NAME	POSITION
1	Prof. Goutam Sutradhar Director, NIT Jamshedpur	Chairman
2	Prof. Ram Vinoy Sharma, Deputy Director, NIT Jamshedpur	Member
3	Prof. Sanjay	
4	Prof. Ujjwal Laha	
5	Prof. Shalendra Kumar	
6	Prof. A. K. L. Srivastava	
7	Prof. Amaresh Kumar	
8	Prof. Anil Kumar Choudhary	
9	Prof. Danish Ali Khan	
10	Prof. Dilip Kumar Yadav	
11	Prof. Hira Lal Yadav	
12	Prof. Mrityunjay Kumar Sinha	
13	Prof. Niranjan Kumar	
14	Prof. Prabha Chand	
15	Prof. R. N. Mahanty	
16	Prof. B. N. Singh, IIT Kharagpur	
17	Prof. N. C. Shivaprakash, IISc., Bangalore	
18	Prof. Mousumi Roy, NIT Durgapur	
19	Prof. Virendra Kumar	
20	Prof. Umesh Kumar Sinha	
21	Prof. Krishna Bihari Yadav	

22	Prof Ramayan Singh	
23	Prof. Ashok Kumar	
24	Prof. Satish Kumar	
25	Prof. Shashi Bhushan Prasad	
26	Prof. Raj Ballav	
27	Prof. Saroj Kuamr Sarangi	
28	Col. (Dr.) Nisheeth Kumar Rai (Rtd.), Registrar	Member Secretary

1.10 DEPUTY DIRECTOR

S. N.	NAME AND DEPARTMENT	SERVES AS
1.	Prof. Ram Vinoy Sharma Dept. of Mechanical Engineering	Deputy Director

1.11 DEANS

S. N.	NAME AND DEPARTMENT	SERVES AS
1.	Prof. Prabha Chand Dept. of Mechanical Engineering	Dean, Faculty Welfare
2.	Prof. U. K. Sinha Dept. of Electrical Engineering	Dean, Planning, and Development
3.	Dr. Chintalacheruvu Madhusudana Rao Dept. of Civil Engineering	Dean, Academic
4.	Dr. Rakesh Pratap Singh Dept. of Civil Engineering	Dean, Students Welfare
5.	Prof. Mrityunjay Kumar Sinha Dept. of Mechanical Engineering	Dean, Research and Consultancy
6.	Prof. K. B. Yadav Dept. of Electrical Engineering	Dean, Industry and Alumni Relations

1.12 ASSOCIATE DEANS

S. N.	NAME AND DEPARTMENT	SERVES AS
1.	Dr. Kumari Namrata Department Electrical Engineering	Associate Dean, Faculty Welfare
2.	Dr. Somenath Mondal Department of Civil Engineering	Associate Dean, Planning and Development
3.	Dr. Subhadeep Metya Department of Civil Engineering	Associate Dean, Planning and Development (New Construction)
4.	Dr. Awdhesh Kumar Choudhary Department of Civil Engineering	Associate Dean, Academics
5.	Dr. Mrutyunjay Rout Department of Electronics & Communication Engineering	Associate Dean, Academics
6.	Dr. Kunal Singh Department of Electronics & Communication Engineering	Associate Dean, Student Welfare
7.	Dr Sakthivel S Department of Chemistry	Associate Dean, Student Welfare
8.	Dr. Vishesh Ranjan Kar Department of Mechanical Engineering	Associate Dean, Academic: Recognition and Accreditation
9.	Dr. (Mrs.) Swati Sudha Department of Humanities, Social Sciences and Management	Associate Dean, Industry and International Relations
10.	Dr. Swagatadev Sahoo Department of Electronics & Communication Engineering	Associate Dean, Research and Consultancy
11.	Dr. Poulami Majhi Department of Metallurgical and Material Engineering	Associate Dean, Student Welfare

12.	Dr Ashok Kumar Mandal Department of Mechanical Engineering	Associate Dean, Research and Consultancy: Collaboration and Entrepreneurship Development
13.	Dr. Madhuri Seeram Department of Civil Engineering	Associate Dean, Academics
14.	Dr. Ram Krishna Department of Metallurgical and Material Engineering	Associate Dean, Industry and International Relations
15.	Dr. Vineet Sahoo Department of Mechanical Engineering	Associate Dean, Academics
16.	Dr. Dinesh Kumar Department of Computer Science and Engineering	Associate Dean, Academics
17.	Dr. (Mrs.) Suravi Pal Department of Civil Engineering	Associate Dean, Research and Consultancy: IPR Cell

1.13 HEAD OF THE DEPARTMENTS

S. N.	NAME	DEPARTMENT
1	Dr. Ananta Kumar Atta	Chemistry
2	Dr. Prahlad Prasad	Civil Engineering
3	Prof. Danish Ali Khan	Computer Science and Engineering
4	Dr. Dilip Kumar	Electronics & Communication Engineering
5	Dr. Madhu Singh	Electrical Engineering
6	Dr. Manish Kumar Jha	Humanities, Social Sciences, and Management
7	Dr.Raj Nandkeolyar	Mathematics
8	Prof Sanjay	Mechanical Engineering
9	Dr. Ashok Kumar	Metallurgical & Materials Engineering
10	Prof. Hira Lal Yadav	Physics
11	Prof. Raj Ballav	Production and Industrial Engineering

CHAPTER-02 | ACADEMIC PROGRAMMES

NIT Jamshedpur offers educational programmes namely, undergraduate Postgraduate and Doctoral programmes with a well-designed curriculum. NIT Jamshedpur has been following the semester system with internal and continuous evaluation since its inception. The nomenclatures of programmes are B.Tech. (Hons.), M.Tech., M.Sc., MCA, M. Des and Ph.D.



2.1 ACADEMIC PROGRAMMES OFFERED AT NIT JAMSHEDPUR

2.1.1 B. TECH. (HONS.) 4 YEARS DURATION

S. N.	NAME OF THE PROGRAMME
1.	Civil Engineering
2.	Computer Science and Engineering
3.	Electronics and Communication Engineering
4.	Electrical Engineering
5.	Mechanical Engineering
6.	Metallurgical and Materials Engineering
7.	Production and Industrial Engineering
8.	Engineering and Computational Mechanics

2.1.2 POST GRADUATE PROGRAMMES: M.TECH. (2 YEARS DURATION)

S. N.	NAME OF DEPARTMENT	SPECIALIZATION
1.	Civil Engineering	Structural Engineering
		Geotechnical Engineering
		Water Resources Engineering
2.	Computer Science and Engineering	Computer Science
		Information Systems Security Engineering
		Data Science and Engineering
3.	Electronics and Communication Engineering	Communication Systems Engineering
		Embedded Systems Engineering
4.	Electrical Engineering	Power System Engineering
		Power Electronics & Drives
5.	Mechanical Engineering	Defence Technology – Combat Vehicle Engineering
		Thermal Engineering
		Energy Systems Engineering
		Machine Design
6.	Metallurgical and Materials Engineering	Industrial Metallurgy
		Materials Technology
7.	Production and Industrial Engineering	Operations and Supply Chain Management
		Smart Manufacturing
8.	Chemistry	Corrosion Science and Coating Technology

2.1.3 MCA (3 YEARS DURATION):

S. N.	NAME OF DEPARTMENT	SPECIALIZATION
1.	Computer Science and Engineering	Master of Computer Applications

2.1.4 M.DES. (FULL-TIME) PROGRAMME

S.N.	M.Tech. Programme	Department
1	Master of Design (M. Des.) in Product Design	Design and Innovation Center

2.1.5 M.Sc. (2 YEARS DURATION)

S. N.	NAME OF DEPARTMENT	SPECIALIZATION
1.	M.Sc.	Physics
		Chemistry
		Mathematics

2.1.6 M. Tech. PROGRAMME (Part-Time)

S.N.	M.Tech. Programme	Department
1	Structural Engineering	Civil Engg.
2	Computer Science and Engineering	Computer Sc. &. Engg.
	Information Systems Security Engineering	
3	VLSI and Embedded Systems Engineering	Electronics and Communication Engineering
4	Power Electronics and Drives	Electrical Engineering
5	Power System Engineering	
6	Maintenance Engineering	Mechanical Engineering
7	Iron and Steel Technology	Metallurgical and Materials Engineering
8	Production and Industrial Engineering	Production Management

2.1.7 Ph. D. ALL THE DEPARTMENTS OF THE INSTITUTE OFFER DOCTORAL PROGRAMMES.

2.2 BEST PRACTICES FOR ACADEMIC EXCELLENCE

- Academic excellence is the brand image of NIT Jamshedpur. The best practices implemented for Lectures, examination, and evaluation.
- The automated UG, PG, and Ph.D. admission process has been introduced since 2013. In this admission process, the complete details/database including the bio-metrics of the student is captured on the first day of his/her admission. RFID multipurpose ID card is issued to each student. The OBC, SC and ST certificates are scanned and are sent for further verification at their respective offices.
- All academic programmes are scheduled as per the academic calendar. The academic calendar is distributed to all students during the first week of both the autumn and spring semesters.
- Academic registration process is made online through MIS.
- The detailed course hand-out, which includes course description, scope, objectives, text & reference books, course plan, evaluation scheme, and chamber consultation hour etc. are shared with students.
- Online verification of degree certificate.
- Digital library (with e-textbooks, e-journals and e-learning resources).
- Visiting faculty from the industry for teaching assignments.
- Equal emphasis on both teaching and research.
- The flexibility of academic programmes and curriculum.
- Usage of learning resources and MOOCs.
- Online student feedback for various aspects of the course and its teaching. The results of the student feedback are uploaded on the Institute website. The feedback results are shared with teachers after grade submission for the course or next semester.
- Sharing laboratory experiments through the online platform
- NIT Jamshedpur is successfully implementing the best practices for effective teaching and learning in pursuance of academic excellence.
- The institute encourages UG students to go for internships in the 8th semester and take online courses through Swayam-NPTEL/MOOCs, etc.

2.3 ADMISSION PROCEDURE

PROGRAMME	ADMISSION PROCEDURE
B.Tech. (Hons.)	Admissions are made on the basis of JEE(Mains) and counselling is conducted by CSAB, on behalf of the Govt. of India, MoE.
M.Tech.	Admissions to the regular M.Tech. Programmes are made only on the basis of the GATE score through Centralized Counselling for M.Tech. admission in NITs (CCMT).

MCA	Admissions to the MCA programme are made on the basis of the rank in NITs MCA Common Entrance Test (NIMCET).
M.Sc.	Admissions to M.Sc. (Mathematics, Physics & Chemistry) programme are made on the basis of the rank of Joint Admission Test for M.Sc. (JAM) conducted by IITs and counselling conducted by CCMN.
M.DES.	Admissions to the M.DES. Programme are made through Institute level Admission Test
M.Tech (Part-Time)	Admissions to the part-time M.Tech. Programmes are made through Institute level Admission Test
Ph.D.	Admission to Ph.D. (Regular/ Part-time / Sponsored) programme is conducted on the basis of the rank in online entrance test conducted by the Institute followed by a personal interview.

2.4 Examination and Evaluation

Internal and continuous evaluation scheme:

- Solutions are shared with students through online & offline platform.
- Answer books are open to revisiting by students if desired.
- Resorting to any unfair means during examination incurs a heavy penalty

Evaluation Scheme

S. N.	Evaluation Component	Duration	Weightage
1.	Mid-semester	2 hrs	30%
2.	End Sem. Exam	3 hrs	50%
3.	Teacher Assessment	---	20%

- Attendance is compulsory. Class attendance and marks assessment are entered in MIS.
- The academic section coordinates the overall examination system, and the final results are kept online and sent through SMS to students.

2.5 Training and Placement

The Training and Placement Cell was established in the year 1973-74. The Training & Placement Cell handles all activities related to campus placements and internships of both UG & PG programs.

2.5.1 DEPARTMENT WISE PLACEMENT STATISTICS (UG)

A. Six Months Internship (UG)

Sl. No	Branch	Total No. of students Registered for Placement	No. of Students undergoing Internship with FTE	No. of Students undergoing Internship with Performance based PPO	Total No. of Students undergoing Internship	% of Students undergoing Internship
1	Civil Engineering	91	1	8	9	**9.89**
2	Computer Science Engineering	116	24	59	83	**71.55**
3	Electrical Engineering	107	15	22	37	**34.57**
4	Electronics & Communication Engg.	105	24	57	81	**77.1**

5	Mechanical Engineering	107	7	16	23	**21.49**
6	Metallurgical & Materials Engineering	105	1	13	14	**13.33**
7	Production & Industrial Engineering	51	7	10	17	**33.33**
Total:		**682**	**91**	**171**	**262**	**38.41**

B. PLACEMENT STATISTICS (UG)

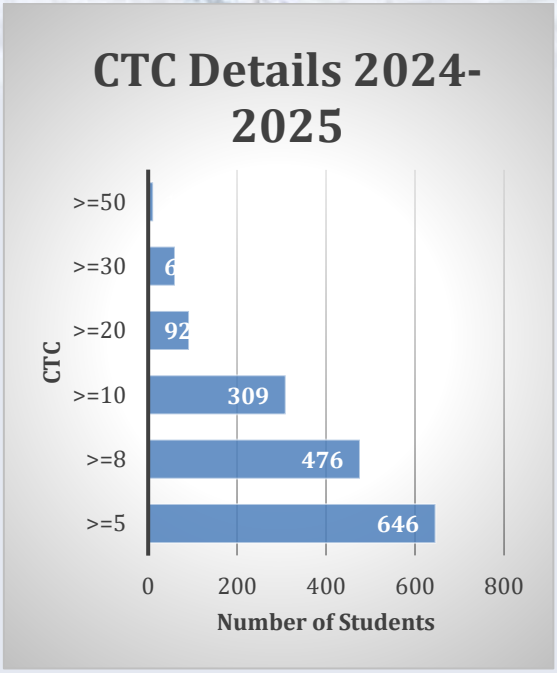
Sl. No	Branch	Total No. of students Registered in the class	No. of students Registered for placement	Placed students	No. of students opting for Higher studies	Highest CTC (LPA)	Average CTC (LPA)	Median salary CTC (LPA)	Minimum CTC (LPA)	% Placement
1	Civil Engineering	108	91	83	14	20	7.93	6.57	5.2	**91.20**
2	Computer Science Engg.	121	116	111	10	144	25.11	18	6	**95.69**
3	Electrical Engineering	111	107	98	3	144	16.5	14.25	6	**91.58**
4	Electronics & Communication Engg.	111	105	97	2	60	19	15	8	**92.38**
5	Mechanical Engineering	113	107	106	6	20.5	8.98	8	5	**99.06**
6	Metallurgical & Materials Engineering	114	105	105	4	20	8.40	8	6	**100**
7	Production & Industrial Engineering	56	51	46	4	16.1	9.45	9	5	**90.19**
Total:		**735**	**682**	**646**	**43**	**144**	**13.62**	**11.26**	**5**	**94.72**

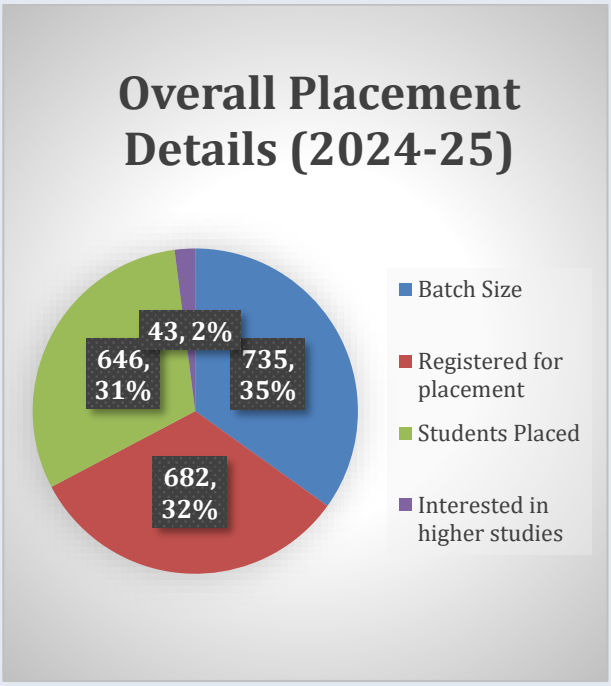
Highlights

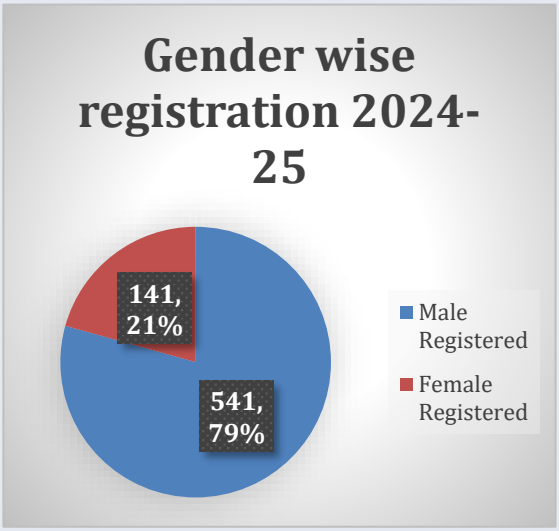
- *Total students registered for placement:* ***682***
- *Number of students placed:* ***646***
- *Overall % placement:* ***94.72***
- *Overall Max CTC:* ***144.00 (LPA)***
- *Overall Av. CTC:* ***13.62 (LPA)***
- *Overall Median CTC****: 11.26 (LPA)***
- *Overall Min. CTC:* ***5.00 (in LPA)***
- *Number of students undergoing Internship:* ***262***
- *Number of interns with pre-placement offers (PPO) & FTE offers****: 262***
- *Number of DASA students placed*: ***3 (out of 5)***
- *Number of PwD students placed*: ***9 (out of 9)***

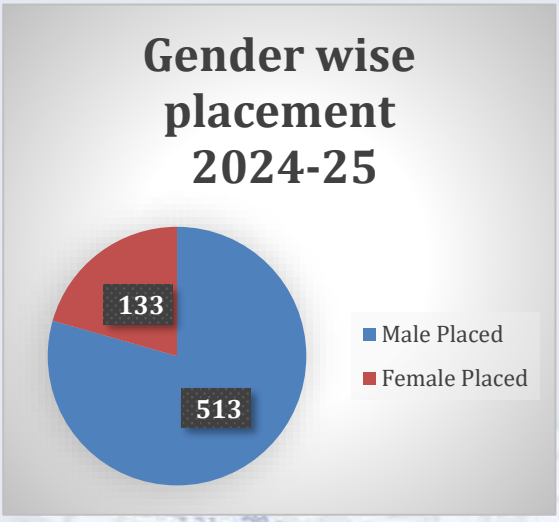
Cumulative Highlights:

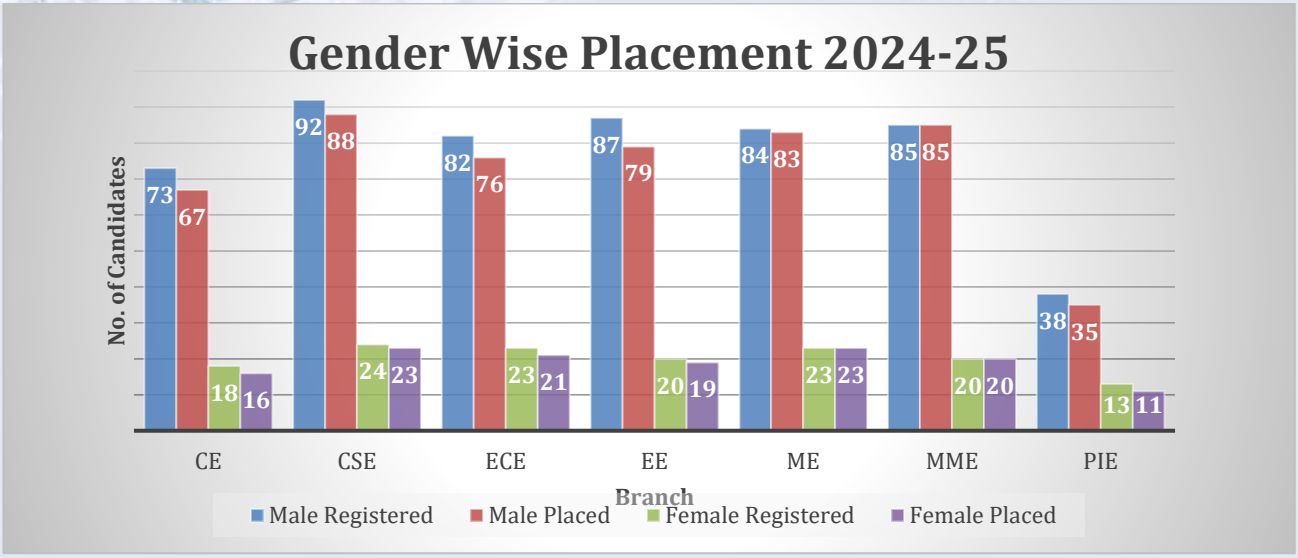
- Number of students with CTC greater than or equal to 50 LPA **= 11**
- Number of students with CTC greater than or equal to 30 LPA **= 60**
- Number of students with CTC greater than or equal to 20 LPA **= 92**
- Number of students with CTC greater than or equal to 10 LPA **= 309**
- Number of students with CTC greater than or equal to 8 LPA **= 476**
- Number of students with CTC greater than or equal to 5 LPA **= 646**

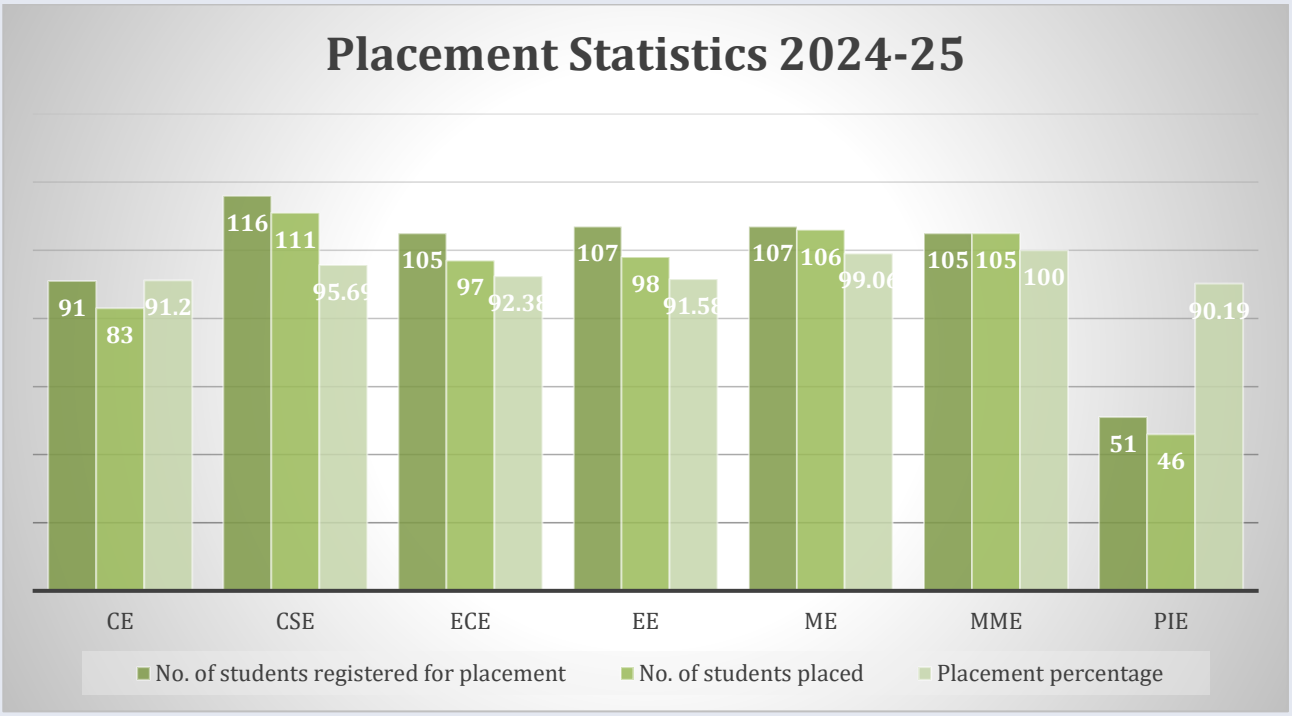

CTC Details 2024-2025
>=50
>=30
>=20
>=10
>=8
>=5
CTC
92
309
476
646
0
200
400
600
800
Number of Students


Overall Placement Details (2024-25)
43, 2%
646, 31%
735, 35%
682, 32%
Batch Size
Registered for placement
Students Placed
Interested in higher studies

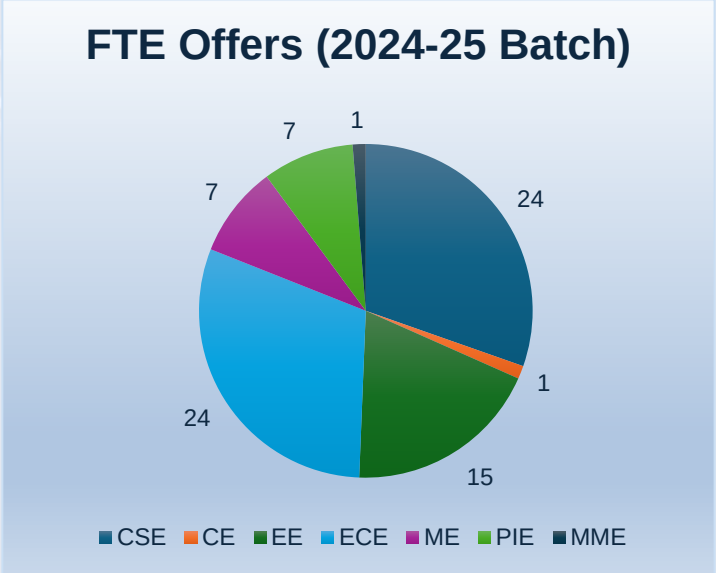

Gender wise registration 2024-25
141, 21%
541, 79%
Male Registered
Female Registered

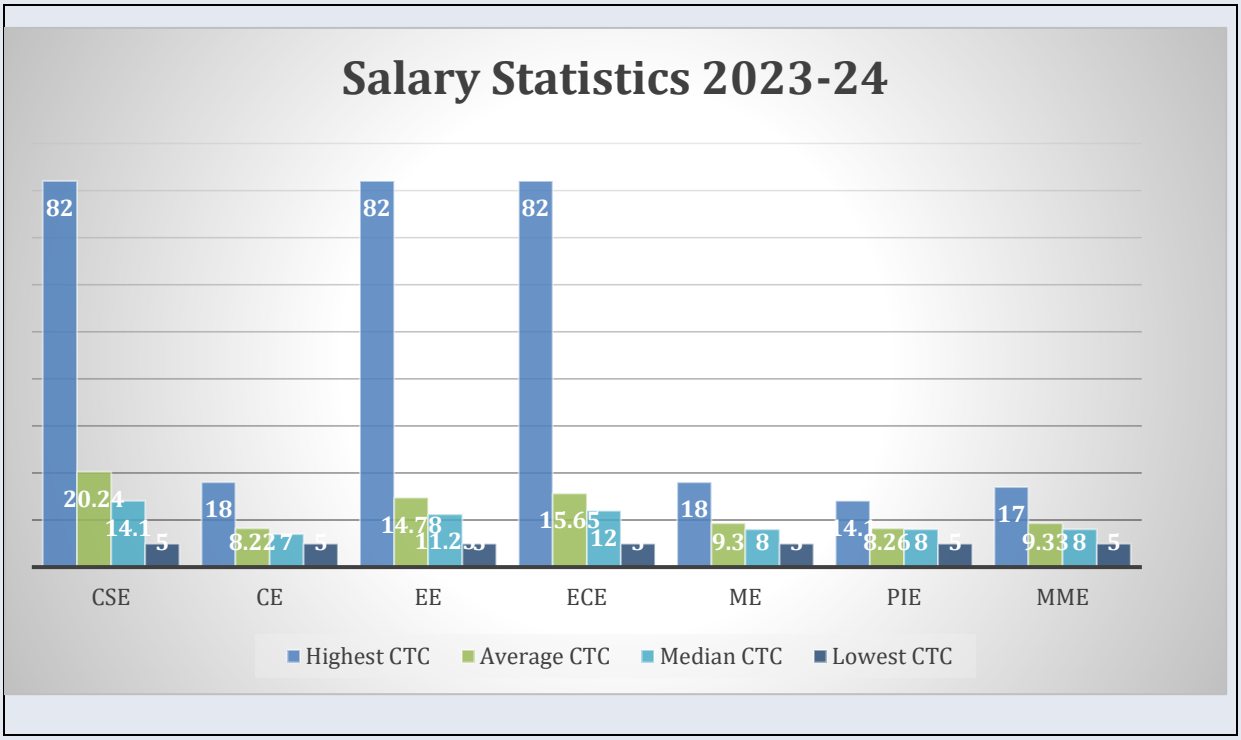

Gender wise placement 2024-25
133
513
Male Placed
Female Placed

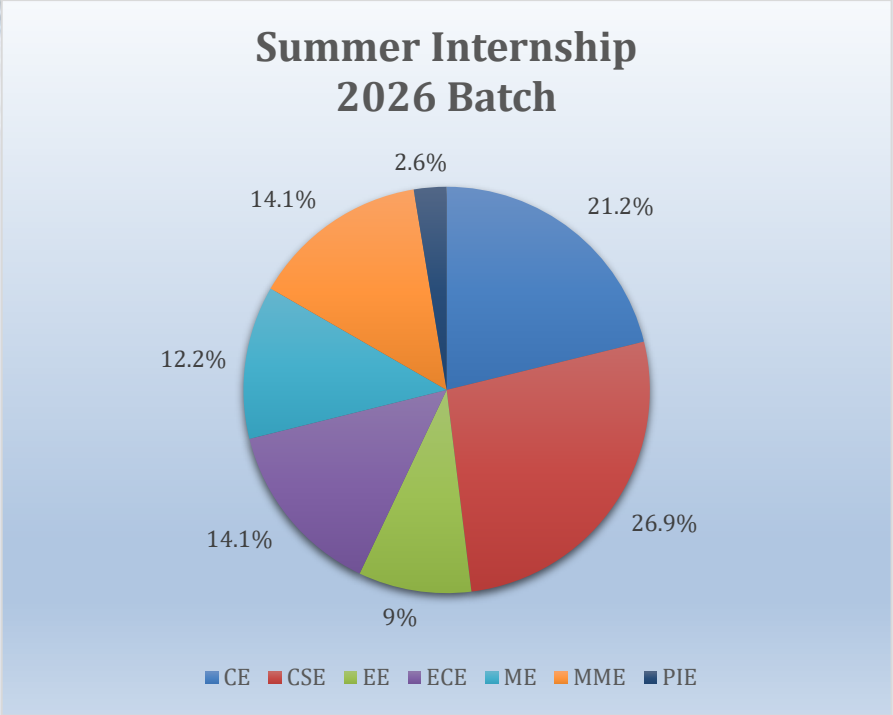

Gender Wise Placement 2024-25
No. of Candidates
73 67 18 16
92 88 24 23
82 76 23 21
87 79 20 19
84 83 23 23
85 85 20 20
38 35 13 11
CE
CSE
ECE
EE
ME
MME
PIE
Branch
Male Registered
Male Placed
Female Registered
Female Placed

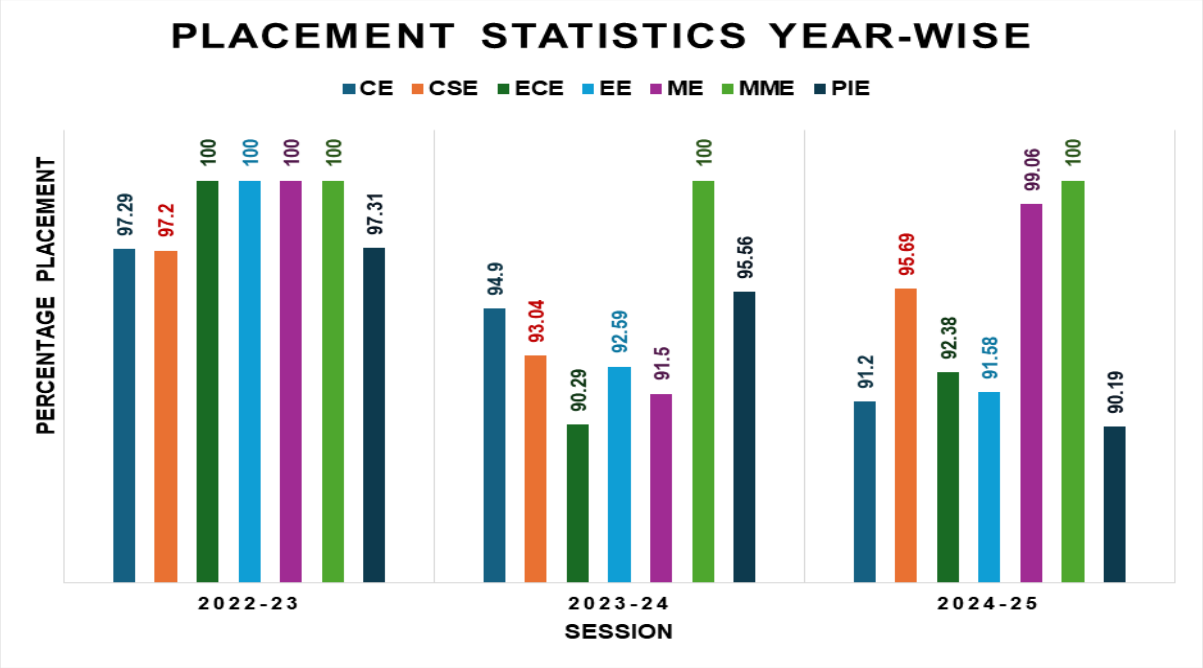

Placement Statistics 2024-25
91 83 91.2
116 111 95.69
105 97 92.38
107 98 91.58
107 106 99.06
105 105 100
51 46 90.19
CE
CSE
ECE
EE
ME
MME
PIE
No. of students registered for placement
No. of students placed
Placement percentage

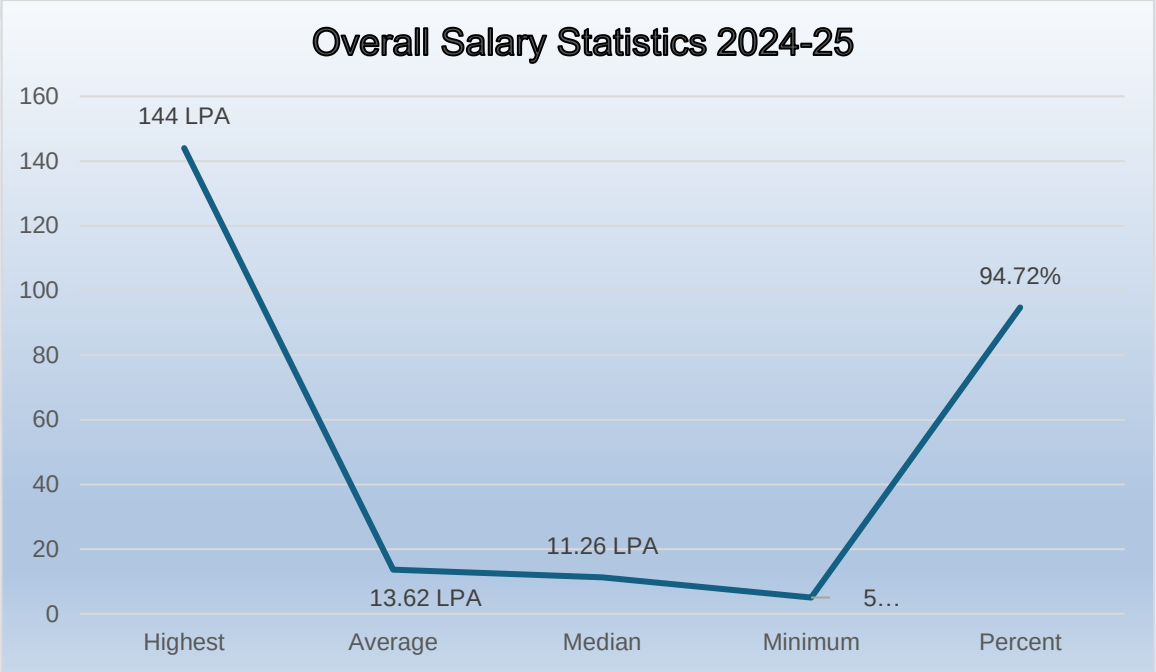

6 Months Internship Offers
14
17
23
83
9
81
37
CSE CE EE ECE ME PIE MME

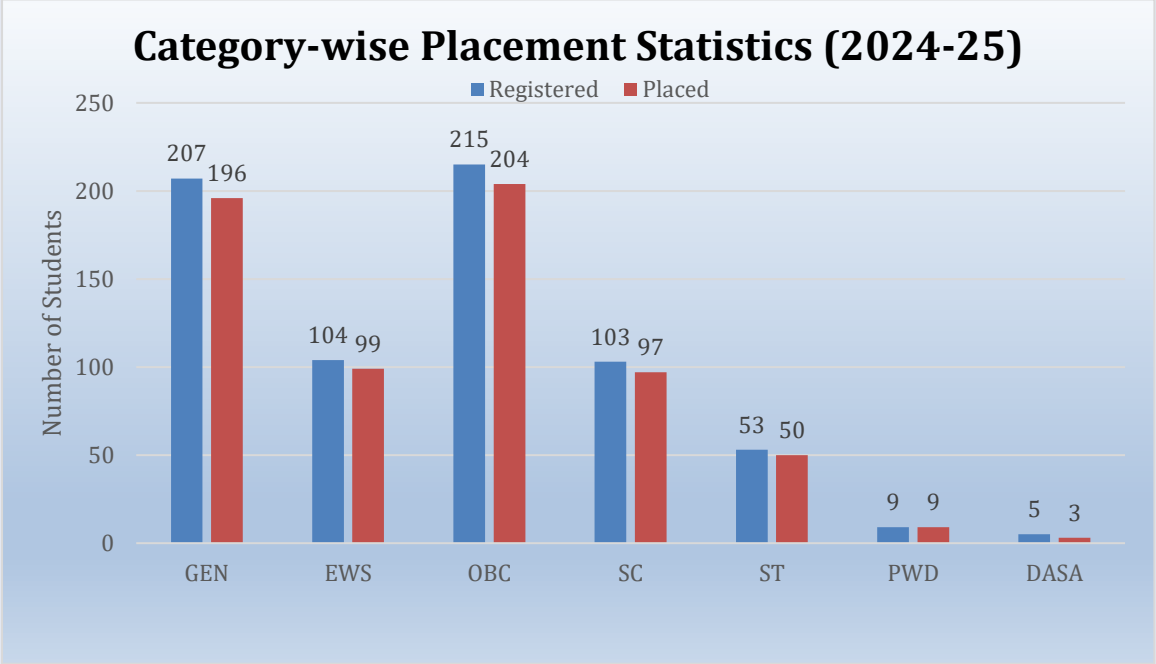

FTE Offers (2024-25 Batch)
7
1
7
24
1
24
15
CSE CE EE ECE ME PIE MME


Salary Statistics 2023-24
82
20.24
14.1
5
18
8.22
7
5
82
14.78
82
15.65
12
5
18
9.3
8
5
17
9.33
8
5
CSE
CE
EE
ECE
ME
PIE
MME
Highest CTC
Average CTC
Median CTC
Lowest CTC


Summer Internship
2026 Batch
2.6%
14.1%
21.2%
12.2%
26.9%
14.1%
9%
CE CSE EE ECE ME MME PIE


PLACEMENT STATISTICS YEAR-WISE
CE CSE ECE EE ME MME PIE
PERCENTAGE PLACEMENT
97.29
97.2
100
100
100
100
97.31
94.9
93.04
90.29
92.59
91.5
100
95.56
91.2
95.69
92.38
91.58
99.06
100
90.19
2022-23
2023-24
2024-25
SESSION


Overall Salary Statistics 2024-25
160
140
120
100
80
60
40
20
0
144 LPA
13.62 LPA
11.26 LPA
5…
94.72%
Highest
Average
Median
Minimum
Percent


Category-wise Placement Statistics (2024-25)
Registered
Placed
Number of Students
250
200
150
100
50
0
207
196
104
99
215
204
103
97
53
50
9
9
5
3
GEN
EWS
OBC
SC
ST
PWD
DASA

2.5.2. DEPARTMENT WISE INTERNSHIP/PLACEMENT STATISTICS (PG)

A. INTERNSHIP STATISTICS (M.Tech. & MCA)

Sl. No.	Branch	Specialization	Registered students	No. of Students undergoing Internship with FTE	No. of Students undergoing Internship with Performance based PPO	Total No. of Students undergoing Internship	% of Students undergoing Internship
1	Computer Science Engg.	CSE	14	Nil	10	10	**71.4**
		ISSE	17	Nil	13	13	**76.5**
		MCA	110	21	30	51	**46.4**
2	Civil Engineering	STE	17	Nil	Nil	Nil	**Nil**
		GTE	6	Nil	Nil	Nil	**Nil**
		WRE	2	Nil	Nil	Nil	**Nil**
3	Electrical Engineering	Power System	5	Nil	2	2	**40**
		Power electronics	13	Nil	8	8	**61.53**
4	Electronics & Communication Engg.	Comm. Systems	5	Nil	1	1	**20**
		Embedded Systems	13	Nil	11	11	**84.6**
5	Mechanical Engineering	Thermal Engg.	6	Nil	Nil	Nil	**Nil**
		CIDM	5	Nil	Nil	Nil	**Nil**
		Energy systems	1	Nil	Nil	Nil	**Nil**
6	Production & Industrial Engineering	MFMS	NA	NA	NA	NA	**NA**
7	Metallurgical & Materials Engineering	Ind. Metallurgy Engg.	NA	NA	NA	NA	**NA**
		Foundry Engg.	NA	NA	NA	NA	**NA**
8.	Chemistry	Corrosion Science and Coating Tech.	NA	NA	NA	NA	**NA**
Total:			**212**	**21**	**75**	**96**	**45.3**

B. PLACEMENT STATISTICS (M.Tech. & MCA)

Sl. No.	Branch	Specialization	Registered students	Placed students	No. of students opting for Higher studies	Highest CTC (LPA)	Average CTC (LPA)	Median salary CTC (LPA)	% Placement
1	Computer Science Engg.	CSE	14	13	Nil	42	15	11.8	**92.8**
		ISSE	17	15	2	42	16.7	12.5	**88.23**
		MCA	110	94	Nil	19	8.7	7.2	**85.4**
2	Civil Engineering	STE	17	6	7	7	5	5.2	**35.29**
		GTE	6	4	2	7	5	5	**66.66**
		WRE	2	Nil	1	Nil	Nil	Nil	**Nil**

3	Electrical Engineering	Power System	5	4	1	13.45	9	8.5	**80**
		Power electronics	13	10	1	24	13	24	**76.9**
4	Electronics & Communication Engg.	Comm. Systems	5	1	1	22	22	22	**20**
		Embedded Systems	13	8	4	40	18.5	16.25	**61.53**
5	Mechanical Engineering	Thermal Engg.	6	3	1	9	7.3	7.3	**50**
		CIDM	5	Nil	Nil	Nil	Nil	Nil	**Nil**
		Energy systems	1	Nil	Nil	Nil	Nil	Nil	**Nil**
6	Production & Industrial Engineering	MFMS	NA	NA	NA	Nil	Nil	Nil	**NA**
7	Metallurgical & Materials Engineering	Ind. Metallurgy	NA	NA	NA	Nil	Nil	Nil	**NA**
		Materials Technology	NA	NA	NA	Nil	Nil	Nil	**NA**
8.	Chemistry	Corrosion Science and Coating Tech.	NA	NA	NA	Nil	Nil	Nil	**NA**
Total:			**212**	**158**	**20**	**42**	**12.02**	**11**	**74.52**

Highlights

- Total students registered for placement: ***212***
- Number of students placed =***158***
- Total No. of offers = ***170+***
- Overall % placement: ***74.52%***
- Overall Max CTC: ***42*** (in LPA)
- Overall Av. CTC: ***12.02*** (in LPA)
- Overall Median CTC: ***11*** (in LPA)
- Number of interns with FTE & Pre-placement offers **(PPO): *96***

C. PLACEMENT STATISTICS (M.Sc.)

Sl. No	Branch	Total No. of students Registered for placements	Placed students	No. of students opting for Higher studies	Highest CTC (LPA)	Average CTC (LPA)	Median salary CTC (LPA)	Minimum CTC (LPA)	% Placement
1	MSc Physics	28	Nil	14	Nil	Nil	Nil	Nil	Nil
2	MSc Mathematics	25	12	8	6.24	5.5	5.5	5.5	48
3	MSc Chemistry	12	9	11	7.2	6	6	5.5	75

Highlights

- Total students registered for placement: *65*
- Number of students placed = ***21***
- Total No. of offers = ***21***
- Overall % placement: ***32.30***
- Overall Max CTC: ***7.2*** (in LPA)
- Overall Av. CTC: ***5.75*** (in LPA)
- Overall Median CTC: ***6*** (in LPA)
- Number of interns with FTE & Pre-placement offers **(PPO): *Nil***

2.5.3 LIST OF RECRUITERS (UG):

Accenture	Capillary Technologies (SDE)	Fastenal*	IQVIA(PPO)	Mphasis*
Accolite Digital	Celigo India	Flexcar*	Iscar Pvt. Ltd.	Mu-Sigma
Acies Holdings	Chryso	Flipkart	Jindal Power LTD.	Nation With Namo
Aditya Birla Group	Citi Bank	Forma.AI	Jindal shadeed iron and steel	Neenopal
Advanced micro devices inc.*	CNH Industrial	Fristine Infotech	Jindal Stainless Steel (Summer intern)	LG Soft India Pvt. Ltd.
Afcons	CommercelQ	FunctionUp	Jindal Stainless Steel*	Nvidia(hardware intern)*
Airtel	Competishun	Futures First	JSW	Nvidia(software intern)*
Alfa Laval	Cred	Ganit Inc.	Jubliant Foodworks	O9 Solutions
Atomicwork	Cotiviti India Pvt. Ltd.	GE Digital*	Kalpataru Projects International Ltd.	Oben Electric Vehicles Pvt. Ltd.
Amazon*	Course5i	GE Healthcare*	Kansai Nerolac Paints	Online 24x7 India Pvt. Ltd.*
Amdocs*	CreditNirvana	GE Healthcare(summe internr)	KEC International	OpeninApp
AMNS India	Cropin Technology Solutions	Genpact*	Kickdrum	Optum
Analitica Global	Cubastion Consulting Pvt Ltd	Geta.ai Labs	L&T*	Oracle*
Ashok Leyland	Cultfit	Grey B*	Labra.io	Pepsico-GBS Hyderabad
Aspire Fintech Pvt Ltd	Daimler India commercial vehicles pvt. Ltd.*	Hexaware Technologies	Latent View Analytics	Phamax Analytic Resources
Atlassian	DE Shaw	Hike	Logic Fruit	Physics Wallah*ss
Axis Bank	Decision Point Analytics*	Hindustan Unilever Limited	LOWE'S India	Practo
Axxela	Deep Logictech*	HLS Asia Pvt. Ltd.	LSEG	Pradan NGO*
BharatX	Deloitte*	HLS Asia Pvt. Ltd.(Summer intern)	Lumiq AI	ProcDNA
BigBasket	Devtron	HSBC India	MakeMyTrip	Pubmatic India Pvt. Ltd.*
Blackrock	Digit Insurance	Husk Power Systems	Mamaearth	Quantiphi Analytics

Blueyonder	DMI Finance	Husk Power Systems(Summer intern)	MSCI	Sahaj AI Software Solutions
BNY Mellon	Drip Capital	IBM Research	Maruti Suzuki	Saint Gobain*
Bosch Rexroth*	EIL*	ICICI Bank	Mecon LTD.	Scaler by interview bit*
Brane Enterprises	ElectricPe	Infinity learn	Media.net	Scheider Electric
Bugsmirror Research Pvt. Ltd.	Electrosteel Castings Ltd.	Infosys*	Meesho	Schlumberger
BuyHatke	BT Group	Infoys	Mercer Mettl	Scrut Automation*
Calance Software Pvt. Ltd.	Ericsson India	Inito	Merilytics	Scry Analytics
Capillary Technologies	Escorts Kubota Limited*	Invesco Ltd.	Metadome.AI	Seco Warwick
Signalchip Innovation Pvt Ltd*	EXL Analytics	IQVIA	MITJEE Classes*	Siemens EDA
SKLR Edutech*	NetApp	Tata AIG General insuarance company	Morphle labs	TCS*
Skoda Volkswagon	Steel Strip wheels Ltd.	Tata Bluescope	Tata Steel	TCS NQT*
Skylark Drones Pvt. Ltd.	Suzuki Motors Gujarat Pvt Ltd	Tata Motors	Tata Steel (Summer intern)	Technip Energies
Skylark labs	TA Digital	Tata Power	TCE	Technip Energies
Tera Data*	Toshiba Software*	Unacademy	Wabtec Corporation	Zelta Tech Pvt. Ltd.*
Tesco*	Trilogy Innovations	Unistring Tech Solutions	Wabtec Corporation	Zetwerk
Texas Instruments*	TSDPL	Urban Ladder	Welspun	ZS Associates (BTSA)
Texas Instruments (Summer intern)*	TSUISL	Vedanta	YOptima	ZS Associates (DAA)
Thoughtworks	UiPath	Vesuvius India	Zavya	PayPal

2.5.4 LIST OF RECRUITERS (PG):

98th Percentile	Capace Software	Hinduja Tech	Pyzapl	Viaion IAS
Ador Building	Caparo	Infi Technologies	Quality Council	Webber
Altair	Champ Square	Infineon	Quicksell	ZF
Aricent	ChangeJar	IPSOS Healthcare	Renesas	Zigram
ARV	Collegedunia	Jaro	Rinex	NetApp

Bennet University	Create Bytes	Jash Energy	Sterling & Wilson	
BLK Constructions	Create Global	JVM EV	Teachnook	Signify
BOC India Ltd.	Eaton	Outscal	Tescra	DDN Storage
Bosch	Frugal Testing	Pubmatics India	Triton	
BuroHappold	Hemlatha Coaching	PV Insights	Vestas	

2.6 HOSTELS

There are thirteen hostels, also known as Halls of Residence, seven for boys and six for girls. They have been named in honour of great Indian personalities. All halls have internet access through Institute wide LAN. Each hostel has a mess and a common room. Each hall of residence also has its own badminton and volleyball courts. Girls' hostels are situated adjacent to the Computer Centre in the Institute's Residential Area, where the Faculty Quarters are located. The boys' hostels are located on either side of the Institute's Main building in two complexes- Up Hostels Complex and Down Hostels Complex. The Up Hostels Complex holds hostels A, B, C and D. The Up Hostels Complex is home to 1st year and 2nd-year students of the B. Tech Programme. The Down Hostels Complex holds hostels E, F, G, H, I, J and K. These are home to students of 3rd and 4th years of the B. Tech programme. In addition, the construction of 1000 capacity boys hostel and 300 capacity girls hostel has been completed. This helps to cater the increased strength of students.



S. N.	NAME OF THE HOSTEL	BOYS/GIRLS	MAX. CAPACITY
1.	Rani Lakshmi Bai Hall of Residence	Girls	96
2.	Ambedkar Hall of Residence	Girls	96
3.	Visveswaraiah Hall of Residence (Hostel-E)	Boys	125
4.	Shivaji Hall of Residence (Hostel-F)	Boys	125
5.	S.C. Bose Hall of Residence (Hostel-G)	Boys	125
6.	Abul Kalam Hall of Residence (Hostel-H)	Boys	130
7.	Hall of Residence (Hostel-I)	Boys	300
8.	Hall of Residence - J (Hostel - J)	Boys	740
9.	Hall of Residence - K (Hostel - K)	Boys	740
10.	Birsa Munda Hall of Residence	Boys	1000
11.	Aryabhatta Hall of Residence (Hostel-A)	Girls	180
12.	Nirala Hall of Residence (Hostel-B)	Girls	180
13.	Bhabha Hall of Residence (Hostel-C)	Girls	180
14.	Rajendra Prasad Hall of Residence (Hostel-D)	Girls	180
15.	New Girls Hostel (Hostel-M)	Girls	300
		TOTAL	**4497**

2.6.1 DISCIPLINARY COMMITTEE

The institute has a disciplinary committee to impart social and ethical values among the students and to maintain a disciplined environment for studies with a motive to produce law-abiding and disciplined engineers for the nation. The understated are the guidelines for the students which must be followed:

- All the students of N.I.T. Jamshedpur are warned not to leave the Hostel/Classroom/Campus without the prior permission of the concerned Warden/HOD/Faculty Coordinator.
- In particular, the students are strictly prohibited from venturing viz. Kharkai river / Lake / Pond or similar places.
- The students are hereby directed not to indulge in any type of intoxication.
- Further the Students are warned to abide by the rules and regulations of the Institute and the Hostels for maintaining discipline in the Institute Campus.
- The students who are found to violate the rules of the Institute/Hostel, stern disciplinary action will be taken against those students.
- The "Standing Institute Disciplinary Committee (SIDC)" is constituted for three years (i.e. 2022-23, 2023-24 and 2024-25). The details are as follows:
- For an offence committed (a) in a hostel, (b) in the department or a classroom and (c) elsewhere, the Warden, the Head of the Department and the Dean, Students Welfare, respectively shall have the authority to reprimand or impose fine or take any other suitable measure.
- All cases involving punishment other than reprimand shall be reported to the Chairperson of the Standing Institute Disciplinary Committee.

CHAPTER – 03 | ACADEMIC UNITS

3.1 DEPARTMENT OF CHEMISTRY

Department of chemistry, National Institute of Technology Jamshedpur was originally founded as a department under regional institute of technology in 1960 to nurture talent and set high standards of education and excellence. The department offers courses in general chemistry and engineering chemistry to the students in different branches of engineering students at B.Tech. level. The department started the post graduate programme (M.Tech.) in Surface Science and Engineering in 1982 which in now renamed as Corrosion Science and Coating Technology. The department is equipped with various instruments. Besides teaching, the highly qualified and energetic faculty members of the department have contributed a lot to elevate the prestige of the institute through their research activities of both basic and applied areas of chemistry.



3.1.1 VISION AND MISSION

Vision

1. To create the Department of Chemistry as a centre of excellence in science and technology through enhanced collaboration between Industries and academia and serving the country.
2. Building world-class research facilities to train young minds through an extensive research curriculum.
3. To provide a pool of bright scientists for the advanced scientific endeavour of our country.

Mission

1. To provide good fundamental concepts of Chemistry applied to the Engineering field.
2. To introduce the importance of Chemistry in the industry as well as in the research field.
3. To study the importance of chemicals, chemical reactions, and physical phenomena, synthesis in higher study of Engineering.

3.1.2 FACULTY

S.N.	NAME OF THE FACULTY	SPECIALIZATION/ RESEARCH AREA	PHOTO
1.	Dr. Shailesh Kumar Prasad Ph.D., Associate Professor	Organic Chemistry, Radio, Analytical Chemistry, Surface Chemistry	
2.	Dr. Balram Ambade Ph.D., Associate Professor	Environmental Chemistry and Analytical Chemistry	
3.	Dr. Ananta Kumar Atta Ph.D., Associate Professor	Sugar-modified Fluorometric Chemosensors for metal ions/anions/nitroaromatics, Development of Photosensitizer for PDT, Low molecular weight Gelators	
4.	Dr. Sekharpandi Sakthivel Ph.D., Assistant Professor	Organic Chemistry	

5.	Dr. Subrata Mahanta Ph.D., Assistant Professor	Physical Chemistry	
6.	Dr. Moumita Mondal Ph.D., Assistant Professor	Inorganic Chemistry	
7.	Dr. Naveen Kumar Veldurthi Ph.D., Assistant Professor	Photocatalysis	
8.	Dr. Tapas Das Ph.D., Assistant Professor	Organic Chemistry	
9.	Dr. Prabhat Kumar Ph.D., Assistant Professor	Organic and Materials Chemistry	
10.	Dr. Sudhanshu Shekhar Pati Ph.D., Assistant Professor	Nanomaterials, Water Treatment, Magnetic Hyperthermia and Energy Storage	
11.	Dr. Titas Kumar Mukhopadhyay Ph.D., Assistant Professor	Computational chemistry, Molecular Dynamics Simulations and Density Functional Theory	

3.1.3 ACADEMIC PROGRAMMES

The Department offer the following courses:

(a) Post-Graduate Programmes

M.Tech.: Corrosion Science and Coating Technology

M.Sc. : Chemistry

(b) Doctoral Programmes

3.1.4 EQUIPMENT PROCURED

S. N.	EQUIPMENT	COST (INR)	Funding Agency
1.	Fourier Transform – Infrared Spectrometer; Nicolet Summit X	24,17,230/-	Institute Fund

3.1.5 LABORATORIES

1. Undergraduate Chemistry Laboratory (B.Tech.)
2. Organic Chemistry Laboratory (M.Sc.)
3. Physical Chemistry Laboratory (M.Sc.)
4. Inorganic Chemistry Laboratory (M.Sc.)
5. Nanomaterials Research Laboratory
6. Atmospheric Laboratory



UV-Visible Spectrophotometer



Rotary Evaporator



Fourier Transform – Infrared Spectrometer



High Performance Liquid Chromatography

3.2 DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering of National Institute of Technology (formerly Regional Institute of Technology) Jamshedpur was started since the institute's inception in 1960. The department is running UG course for B.Tech. (Hons) degree in Civil Engineering and PG courses as M.Tech. degree in the streams of Structural Engineering, Geotechnical Engineering and Water Resource Engineering, and Ph.D. program in various streams of Civil Engineering. The under Graduate programme of the department has been granted extension of accreditation of 2 years by NBA in 2022.



3.2.1 VISION AND MISSION

Vision

1. To become the best department for the research, academic and consultancy with the vigorous participation of faculty, research scholars and students and produce smart solutions with ethics and morals in civil engineering for the benefit of society and industry.

Mission

1. To develop modern laboratories, centre of excellence and advanced computational facilities.
2. To conduct research in all fields of civil engineering and interdisciplinary areas.
3. To motivate research scholars and students towards best professional practices.
4. To make graduating students exposed to industry and R & D organizations to get better opportunities.
5. To offer educational programmes that imparts inventive knowledge with high levels of ethical and human values.

3.2.2 FACULTY

S. N.	NAME OF THE FACULTY	SPECIALIZATION/ RESEARCH AREA	PHOTO
1.	Dr. Arvind Kumar Lal Srivastava Ph.D., Professor	Structural Engineering	
2.	Dr. Anil Kumar Choudhary Ph.D., Professor	Geotechnical Engineering	
3.	Dr. Virendra Kumar Ph.D., Professor	Structural Engineering	
4.	Dr. Rakesh Pratap Singh Ph.D., Associate Professor	Geotechnical Engineering	
5.	Dr. Akhileshwar Kumar Singh Ph.D., Associate Professor	Geotechnical Engineering	
6.	Mr. Nigam Prakash M.Sc. Engg., Associate Professor	Water Resources Engineering	
7.	Dr. Sanjay Kumar Ph.D., Associate Professor	Structural Engineering	

8.	Dr. Shashi Ranjan Pandey Ph.D., Associate Professor	Structural Engineering, Fracture Mechanics	
9.	Dr. Brajkishor Prasad Ph.D., Associate Professor	Structural Engineering	
10.	Dr. Prahlad Prasad Ph.D., Associate Professor	Structural Engineering	
11.	Dr. Abdhesh Kumar Sinha Ph.D., Associate Professor	Transportation Engineering	
12.	Mr. Sajjan Kumar Paswan M.Sc. Engg., Associate Professor	Geotechnical Engineering	
13.	Dr. Chintalacheruvu Madhusudana Rao Ph.D., Associate Professor	Water Resources Engineering	
14.	Dr. Seeram Madhuri Ph.D., Associate Professor	Structural Engineering	
15.	Dr. Sunil Kumar Murmu Ph.D., Associate Professor	Urban flooding, Real time flood forecasting and Interlinking of River	
16.	Mr. Ashok Kumar M.Sc. Engg., Assistant Professor	Structural Engineering	
17.	Dr. Subhadeep Metya Ph.D., Assistant Professor	Geotechnical Engineering	
18.	Dr. Somenath Mondal Ph.D., Assistant Professor	Environmental Geotechnology, Geotechnical Engineering	
19.	Dr. Keshav Kumar Sharma Ph.D., Assistant Professor	Structural Engineering	
20.	Dr. Sangeeta Kumari Ph.D., Assistant Professor	Water Resources Engineering	
21.	Dr. Awdhesh Kumar Choudhary Ph.D., Assistant Professor	Geotechnical Engineering	
22.	Dr. Sriram Karthick Raja P. Ph.D., Assistant Professor	Geo-environmental engineering, Computational geotechnics	

23.	Dr. Debshri Swargiary Ph.D., Assistant Professor	Hydrology, Shallow flows, Hydrodynamics	
24.	Dr. Suravi Pal Ph.D., Assistant Professor	Soil mechanics, Ground improvement	
25.	Dr. J. Jayapal Ph.D., Assistant Professor	Innovative Civil Engineering Materials, Geo-naturals	
26.	Dr Utpal Ghosh Ph.D., Assistant Professor	Wastewater Treatment, Photocatalysis, Degradation of Emerging Pollutant,	
27.	Dr Arnab Kumar Sinha Ph.D., Assistant Professor	Retrofitting and Rehabilitation, Material Development	
28.	Dr Sounak Kabasi Ph.D., Assistant Professor	Offshore and Tensile membrane structures, Structural reliability analysis, Computational mechanics	
29.	Dr Manthirikul Sandeep Ph.D., Assistant Professor	Pedestrian safety, Transportation Simulation and Modelling, Transportation Engineering	
30.	Dr Ambika Kuity Ph.D., Assistant Professor	Road materials, Mix design of bituminous mix	

3.2.3 ACADEMIC PROGRAMMES

The Department offers the following courses:

(a) Under-Graduate Programme

B.Tech. (H): Civil Engineering

(b) Post-Graduate Programmes

1. M.Tech.:
   - Geotechnical Engineering
   - Structural Engineering
   - Water Resources Engineering
2. Part Time M.Tech.:
   - Structural Engineering

(c) Doctoral Programmes

3.2.4 EQUIPMENT PROCURED

S. N.	EQUIPMENT	COST (INR)	Funding Agency
1.	Structural Component Proof Test Simulation Set Up	45,00,000/-	Institute Fund
2.	Curing of concrete specimens at Eleveted temperature	1,79,360/-	Institute Fund
3.	Triaxial Test Apparatus	6,83,692/-	Institute Fund
4.	Strain Gauge Uniaxial Gauge	85,000/-	Institute Fund
5.	Brazzilian Test Apparatus	82,494/-	Institute Fund
6.	Hydraulic jack	6,13,600/-	Institute Fund
7.	Water potential meter	11,50,000/-	Institute Fund
8.	Hot air oven	64,770/-	Institute Fund
9.	Data acquisition system without computer	4 18,500/-	Institute Fund
10.	Multi-channel Environmental Chamber	17,30,000/-	MOE-STARS

3.2.5 LABORATORIES

1. Soil Mechanics
2. Geosynthetics and Geo-environmental Engineering
3. Transportation Engineering
4. Concrete and Structure
5. Survey
6. Environmental Engineering
7. Hydraulics & Water Resource Engineering
8. Computational Rock Mechanics & Rock Engineering
9. NDT and Durability of Concrete



Digital triaxial shear test apparatus



Digital Penetrometer



Model Footing Simulation Setup



Concrete Permeability Apparatus



Structural Component Proof Test Simulation Setup



Benkleman Beam Apparatus

3.3 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering was founded in 1992. Since its inception, the department has always been recognized all over the country for its excellence. The Department has consistently produced quality professionals in the field of Computer Science & Engineering and has striven towards excellence in research and development.

3.3.1 VISION AND MISSION

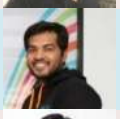
Vision

1. Producing high quality, industry ready Computer engineers to cater to the needs of the society.

Mission

1. To train young minds and to equip them with the best possible technical knowledge to meet the current and future demands of the industry, academia & research. To create infrastructure, motivation and culture for the state-of-the-art research work in the area of Computer Science & Information Technology.

3.3.2 FACULTY

S. N.	NAME OF THE FACULTY	SPECIALIZATION/ RESEARCH AREA	PHOTO
1.	Dr. Dilip Kumar Yadav Ph.D., Professor	Software Engineering, Software Reliability, Fuzzy Logic, Soft Computing, Operation Research	
2.	Dr. Danish Ali Khan Ph.D., Professor & Head	Optimization Technique, Computer Applications	
3.	Dr. B. K. Singh Ph.D., Associate Professor	Computer Network, Image Processing, Computerized Tomography	
4.	Dr. Dilip Kumar Shaw Ph.D., Associate Professor	Network optimization, Data Structures & Program Design, Supply Chain Management	
5.	Dr. Rajiv Ranjan Suman Ph.D., Associate Professor	Software Engineering, Algorithms	
6.	Dr. Sanjay Kumar Ph.D., Associate Professor	Computer Networks, Artificial Intelligence, Parallel Processing, Mobile Computing	
7.	Dr. Dilip Kumar Ph.D., Assistant Professor	Computer Graphics, Operating System, Internet Technology, Network Security	
8.	Dr. Koushlendra Kumar Singh Ph.D., Assistant Professor	Image Processing, Computerized Tomography	
9.	Dr. Chandrashekhar Azad Ph.D., Assistant Professor	Data mining, Intrusion Detections System, Swarm Intelligence, Artificial Intelligence	
10.	Dr. Subrata Dutta Ph.D., Assistant Professor	Mobile Computing, Wireless Sensor Network	
11.	Dr. Alekha Kumar Mishra Ph.D., Assistant Professor	Network Security	

12.	Dr. Dinesh Kumar Ph.D., Assistant Professor	Cloud Computing, Internet of Things, Mechanism Design	
13.	Dr. Gopa Bhaumik Ph.D., Assistant Professor	Image Processing, Computer Vision, Machine Learning	
14.	Dr. Jitesh Pradhan Ph.D., Assistant Professor	Image Processing, Computer Vision, Machine Learning	
15.	Dr. Mayukh Sarkar Ph.D., Assistant Professor	DNA Computing, Quantum Computing, Machine Learning	
16.	Dr. Amit Majumder Ph.D., Assistant Professor	Computer Vision, Deep Learning, Machine Learning	
17.	Dr. B. Ramachandra Reddy Ph.D., Assistant Professor	Machine Learning, Software Security, Software Reliability	
18.	Dr. Arijit Das Ph.D., Assistant Professor	Pattern Recognition, Data Analysis, Artificial Intelligence, ML and Deep Learning, Natural Language Processing	
19.	Dr. Deepak Rai Ph.D., Assistant Professor	Biomedical Signal Processing, Software Defined Networking, Applied Machine Learning, Face Super Resolution, Image Processing	
20.	Dr. Diwakar Tripathi Ph.D., Assistant Professor	Machine Learning, Data Analytics, Computational Intelligence, Bio-Informatics	
21.	Dr. Nidhi Kushwaha Ph.D., Assistant Professor	Recommender Systems, Deep Learning, Artificial Intelligence	
22.	Dr. Pampa Howladar Ph.D., Assistant Professor	AI and Data Science, EEG Signal Classifications, Natural Language Processing, Human Computer Interaction	
23.	Dr. Rakesh Kumar Ph.D., Assistant Professor	Embedded Systems, Internet of Things, and Cloud Computing	
24.	Dr. Suchismita Mahato Ph.D., Assistant Professor	AI/ML in Healthcare, Cheminformatics, Bioinformatics, Graph Theory	

3.3.3 ACADEMIC PROGRAMME

The Department offer the following courses:

(a) Under-Graduate Programme

B.Tech. (H): Computer Science and Engineering

(b) Post-Graduate Programmes

1. M.Tech. :
    - Information Systems Security Engineering
    - Computer Science and Engineering
    - Data Science and Engineering
2. MCA : Master of Computer Applications
3. Part Time M. Tech.:
    - Information Systems Security Engineering
    - Computer Science and Engineering

(c) Doctoral Programmes

3.3.4 EQUIPMENT PROCURED

S. N.	EQUIPMENT	COST (INR)	FUNDING AGENCY
1.	Two workstations	9,24,888/-	Institute Fund
2.	Interactive Panel	Approx. 5L	Institute Fund

3.3.5 LABORATORIES

1. Network Laboratory
2. Software Laboratory
3. Software Development Laboratory
4. Software Laboratory I
5. Software Laboratory II
6. Machine Vision and Intelligence Laboratory
7. Artificial Intelligence and Machine Learning Laboratory
8. Data Science Laboratory
9. Internet of Things Laboratory



Internet of Things Lab



Artificial Intelligence and Machine Learning (AI & ML) Laboratory

3.4 DEPARTMENT OF ELECTRICAL ENGINEERING

The Department of Electrical Engineering was started in 1960. Since its inception, the Department has been consistently producing quality Electrical Engineers and is also involved in research and development activities. As a result, the department's alumni are well placed in both the public and private sectors. In addition to the UG program, the department runs PG programs in Power Systems and Ph.D. programs in different areas of specialization.



3.4.1 VISION AND MISSION

Vision

1. To be a centre for imparting world class education in the field of electrical engineering
2. To conduct extensive and quality research and to propel innovations for the betterment of society

Mission

1. To train young minds and to equip them with the best possible technical knowledge
2. To recognize education and research in close interaction with the industry and to install leadership qualities in young men and women who enter the portals of the institute with sensitivity for social development and with an eye for growth in international perspective

3.4.2 FACULTY

S. N.	NAME OF THE FACULTY	SPECIALIZATION/ RESEARCH AREA	PHOTO
1.	Dr. Rabindra Nath Mahanty Ph.D., Professor	Electric Vehicle, Application of ANN in Power System Protection, Wavelet Transform and Fuzzy Logic Applications in Power System Protection	
2.	Dr. Niranjan Kumar Ph.D., Professor	Power System Deregulation, Restructuring Power Market, Electric Vehicle, FACTS Devices, Transmission Costing	
3.	Dr. Umesh Kumar Sinha Ph.D., Professor	Solar and Renewable Energy, Instrumentation, Power Electronics and Drives.	
4.	Dr. Krishna Behari Yadav Ph.D., Professor	Multi-phase Electrical Machine, Power Electronics and Drives, Renewable Energy System	
5.	Dr. Sushil Kumar Gupta Ph.D., Associate Professor	Power System, Reactive Power Management and Control,	
6.	Dr. Kumari Namrata Ph.D., Associate Professor	Solar power generation and conversion, Solar radiation estimation, Modeling and simulation of the energy-based system, Microgrid – Modeling, operation and control	
7.	Dr. Madhu Singh Ph.D., Associate Professor	Power Electronics and Drives, Renewable Energy System	

8.	Dr. Alok Priyadarshi Ph.D., Assistant Professor	Power Systems (Power grid)	
9.	Dr. Sanjay Kumar Ph.D., Assistant Professor	Reactive power planning, FACTS Device, Smart Grid, Restructure Power System	
10.	Dr. Ananyo Bhattacharya Ph.D., Assistant Professor	Power Electronics and Drives, Renewable Energy	
11.	Dr. Jitendra Kumar Ph.D., Assistant Professor	Digital Protection of Power System, Advanced Protection Algorithm Design in FACTS, Power Swing, Microgrid, Islanding Detection in Microgrid Available transfer capability determination	
12.	Dr. Om Hari Gupta Ph.D., Assistant Professor	Power System Protection, Microgrid, Renewable-based Distributed Generation, Power Quality	
13.	Dr. Ravi Bhushan Ph.D., Assistant Professor	Power System Stability and Control, Application of Optimal Control in Power Systems	
14.	Dr. Mrinal Kanti Sarkar Ph.D., Assistant Professor	Power Electronics, Sliding Mode Control, Non-Fragile Control	
15.	Dr. Supriyo Das Ph.D., Assistant Professor	High Voltage Engineering & Power System	
16.	Dr. Kundan Kumar Ph.D., Assistant Professor	Multi-port Converters, High-Efficiency Power Converters, Dynamic Wireless Charging, Wireless Power Transfer Systems	
17.	Dr. Kethavath Raghavendra Naik Ph.D., Assistant Professor	Intelligent control algorithms for Voltage control of Isolated solar PV-Micro Hydro-Battery storage Integrated DC Microgrids	
18.	Dr. Simanta Kumar Samal Ph.D., Assistant Professor	Converter modelling and control, soft-switching power converters, grid-tied inverters, renewable power conversion for hybrid microgrid and power conversion for electric vehicles	
19.	Dr. Arvind Kumar Prajapati Ph.D., Assistant Professor	Control systems, model order reduction, large scale systems, fault detection and accommodation etc.	
20.	Dr. Shubhranshu Kumar Tiwary Ph.D., Assistant Professor	Power System Security, Heuristics Analysis, Artificial Neural Networks, ANN Application in Power System Security	

21.	Dr. Surya Prakash Ph.D., Assistant Professor	Control methods for power electronics converters, Grid synchronisation, Renewable Energy Integration Power electronics converters	
22.	Dr. Veerpratap Meena Ph.D., Assistant Professor	Control Systems, Electric Vehicle Optimisation, Microgrid and Renewable Energy, Model order reduction and its application, Machine Learning	

3.4.3 ACADEMIC PROGRAMME

The Department offers following courses:

(a) Under-Graduate Programme:

B.Tech. (H): Electrical Engineering

(b) Post-Graduate Programmes:

1. M.Tech.:
   - Power Systems Engineering
   - Power Electronics and Drives
2. Part Time M.Tech.:
   - Power Systems Engineering
   - Power Electronics and Drives

(c) Doctoral Programmes

3.4.4 EQUIPMENT PROCURED

S. N.	EQUIPMENT	COST (INR)	FUNDING AGENCY
1.	TYPHOON-HIL Real Time Simulator with Host PC and Real Time Result Capturing unit	29,40,000/-	Institute Fund
2.	Digital Storage Oscilloscope	5,98,000/-	ANRF (SERB)
3.	Digital Storage Oscilloscope, 350MHz, 4 CH, with high voltage differential probe	5,47,000/-	Institute Fund
4.	HTC 4 digit Backlit LCD hand held true RMS Clamp Meter	15625/-	Institute Fund
5.	Meco G Portable Meters	132101/-	Institute Fund
6.	Clampmeter Meco-33 digital backit hand true Qty-04	21659/-	Institute Fund
7.	DSO Siglent analog digital mixed signal 200 MHz non window Qty-01	145000/-	Institute Fund
8.	Multimeter Digital multimeter model XB-33CF Qty-04	15252/-	Institute Fund
9.	Soldering iron Soldron (938)integrated with tip temp controlled Qty-04	21836/-	Institute Fund

3.4.5 LABORATORIES

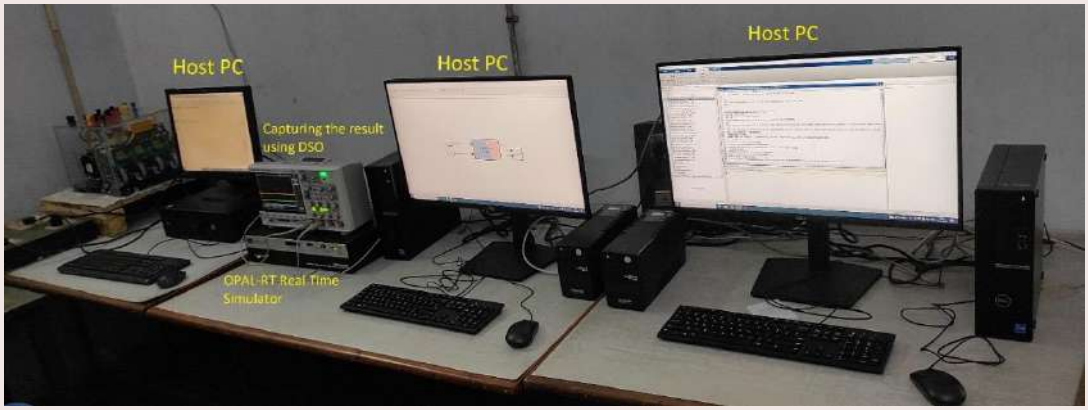
1. Power Electronics Laboratory
2. Control System Laboratory
3. Microprocessor Laboratory
4. Electrical Measurement Laboratory
5. Electrical Machine Laboratory
6. Power System Laboratory
7. Power System Simulation Laboratory
8. Real Time simulation Laboratory
9. HVDC and FACTS Laboratory



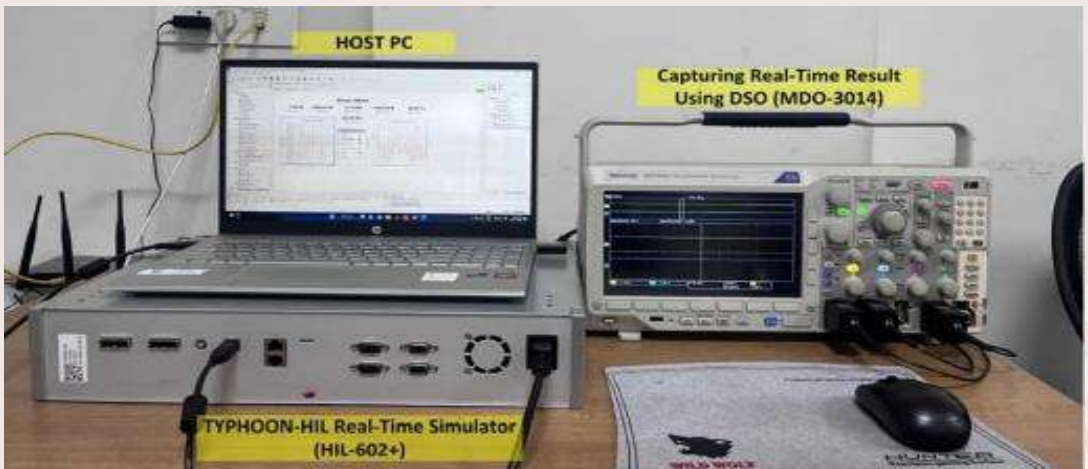
Electrical Machine Laboratory



Control System Laboratory



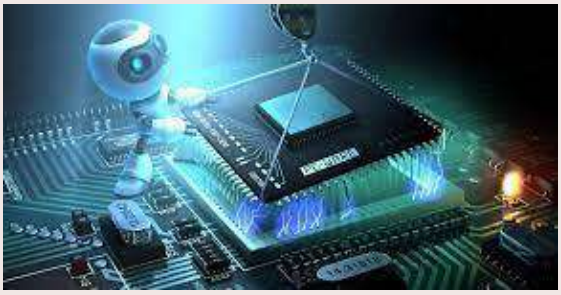
Real Time Simulation Laboratory



TYPHOON-HIL Real Time Simulator with Host PC and Real Time Result Capturing unit

3.5 DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering was started in 1989. The department covers a host of subjects, including Electronic Circuits, Microprocessor, Digital Signal Processing, Analogy Communication, Digital Communication, Mobile Communication, VLSI, Embedded systems, Instrumentation, etc. The department has laboratories catering to all the subjects of study. Five research scholars are working in different specializations under Communication Engineering, VLSI and Embedded systems, Signal Processing, Instrumentation and Soft Computing. The Department has a highly motivated faculty pool to mentor the students.



3.5.1 VISION AND MISSION

Vision

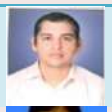
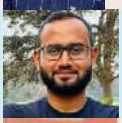
1. Global Knowledge Hub
2. Excellence in technical and interdisciplinary domain
3. Amalgam of research and entrepreneurship in pursuit of Make in India drive
4. Beckoning pillar for digital India

Mission

1. Imparting total quality education to develop next generation professional scholars, fit for the globally competitive environment.
2. Value creation through economic, social, and environmental development using original ideas through discovery, inquiry, innovation, research, transformational scholarship, and creative activities.
3. Dramatic increase in product-oriented research for establishing a self-sustaining and wealth creating centre by involving the interaction among committed, diverse faculty, staff, students and community to serve the societal needs of the State of Jharkhand, India and ultimately, the world.

3.5.2 FACULTY

S. N.	NAME OF THE FACULTY	SPECIALIZATION/ RESEARCH AREA	PHOTO
1.	Dr. Amit Prakash Ph.D., Associate Professor	Parallel Computing, Network Reliability, Mobile Communication and Networking, Microprocessor, VLSI Design	
2.	Mr. B. N. S. Munda M.Tech., Associate Professor	Power Electronics, Devices & Circuits and Renewable Energy	
3.	Dr. Akhilesh Kumar Ph.D., Associate Professor	Antenna Design, Application of VLSI, Microwave Engg., Power electronics, Solar Cell, Communication Engg. Analog and Digital ckt etc.	
4.	Dr. Rashmi Sinha Ph.D., Associate Professor	Soft Computing, Digital Signal Processing, Antenna Design and Metamaterial Absorber	
5.	Dr. Dilip Kumar Ph.D., Associate Professor	Communication Systems Microwave Engineering Devices and Circuits	
6.	Dr. Jayendra Kumar Ph.D., Assistant Professor	Digital signal and Image Processing, IoT, Embedded System	
7.	Dr. Nagendra Kumar Ph.D., Assistant Professor	Communication Systems, Wireless communication	

8.	Dr. Kunal Singh Ph.D., Assistant Professor	Microelectronics, Low Power VLSI Devices.	
9.	Dr. Basanta Bhowmik Ph.D., Assistant Professor	Nanoelectronics and VLSI, Micro/Nano material-based Sensor, Non-invasive disease diagnosis.	
10.	Dr. Basudeba Behera Ph.D., Assistant Professor	Micro/ Nanoelectromechanical Systems (MEMS/NEMS), Piezoelectric devices, SAW devices/ motors, Internet of Things (IoT)	
11.	Dr. Mayank Srivastava Ph.D., Assistant Professor	Analog integrated circuits and analogue signal processing	
12.	Dr. Swagatadeb Sahoo Ph.D., Assistant Professor	Microwave Engineering, Broadband Dielectric Spectroscopy	
13.	Dr. Mrutyunjay Rout Ph.D., Assistant Professor	Wireless Sensor Network and Signal processing	
14.	Dr. Ajay Kumar Ph.D., Assistant Professor	Optical Fibre Communication, Optical Logic Devices, Sensors	
15.	Dr. Prashant Kumar Ph.D., Assistant Professor	Communication Systems	
16.	Dr. Surajit Kundu Ph.D., Assistant Professor	Wireless Communication, Ground Penetrating Radar	
17.	Dr. Arjun Kumar Ph.D., Assistant Professor	Computational electromagnetics, Slow-wave structure	
18.	Dr. Amit Kumar Ph.D., Assistant Professor	Thin Film Devices such as Photovoltaic Devices, Photo Detectors, Thin Film Transistors (TFTs), and Gas Sensors	
19.	Dr. Chandradeep Singh Ph.D., Assistant Professor	Wireless Communication	
20.	Dr. Kaushik Das Ph.D., Assistant Professor	FPGA and ASIC-Based Designs VLSI Signal Processing Digital VLSI	
21.	Dr. Munendra Singh Ph.D., Assistant Professor	Artificial intelligence, MRI, Deep learning	
22.	Dr. Rajashree Nayak Ph.D., Assistant Professor	Image Processing, AI and ML, Forgery and Obscene Image detection, Medical Image Analysis, AI-Driven IoT	

3.5.3 ACADEMIC PROGRAMME

The Department offer the following courses:

(a) Under-Graduate Programme

B.Tech. (H): Electronics & Communication Engineering

(b) Post-Graduate Programmes

1. M.Tech.:

- VLSI Design and Embedded Systems
- Communication System Engineering

2. Part Time M.Tech.:
   - VLSI Design and Embedded Systems

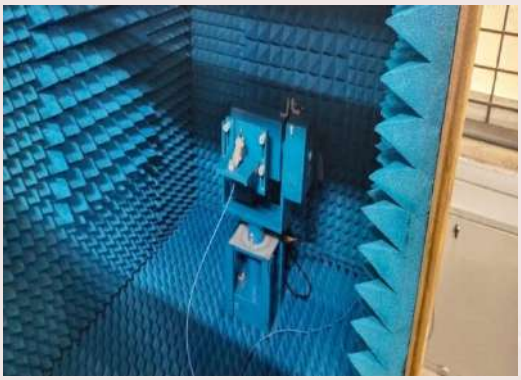
(c) Doctoral Programmes

3.5.4 EQUIPMENT PROCURED

S. N.	EQUIPMENT	COST (INR)	FUNDING AGENCY
1.	PCB Prototyping Machine: ROBOFI	28,28,000/-	Institute Fund
2.	USB based Power Meter	2,49,000/-	TEXMIN
3.	SKYTRAQ Survey Grade Antenna	24780/-	TEXMIN
4.	ANN Patch Antenna	24780/-	TEXMIN
5.	UBLOX ZED F9P board	49000/-	TEXMIN
6.	Workstation	4,98,000/-	HEFA
7.	IoT and GNSS enabled Smart Tea Farming equipment for field deployment in Tea Garden	11,44,770/-	HEFA
8.	Circuit Development Board-16 no.	4,67,360/-	Institute Fund
9.	DC Power Supply-12 no.	6,15,960/-	Institute Fund
10.	RF Trainer Kit with VNA-1 no.	3,30,000/-	Institute Fund

3.5.5 LABORATORIES

1. Basic Electronics Laboratory
2. Analog Electronics Laboratory
3. Digital Electronics Laboratory
4. Microprocessor & Microcontroller Laboratory
5. Data Communication & Networking Laboratory
6. Communication & DSP Laboratory
7. Industrial Electronics & Drives Laboratory
8. VLSI Design Laboratory
9. Microwave and Antenna Laboratory
10. Thin film Devices Laboratory
11. Modelling & Simulation Laboratory
12. Underwater Acoustic Communication Laboratory
13. Fiber Optics Laboratory
14. RF and Microwave Lab
15. Antenna Engineering and Satellite Navigation Laboratory



3D Antenna Radiation Pattern and Gain Measurement System with Portable Anechoic Boxes Components (Receiver)



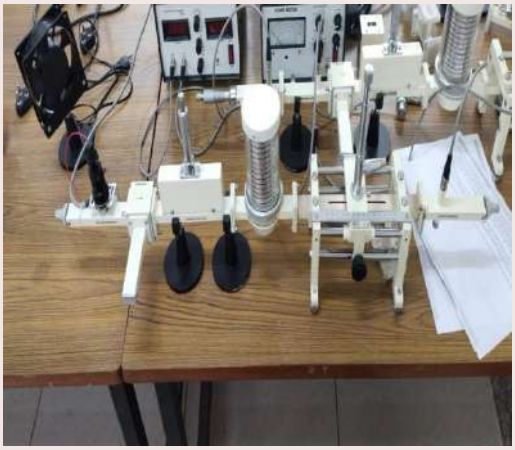
3D Antenna Radiation Pattern and Gain Measurement System with Portable Anechoic Boxes Components (Transmitter)



Trainer Kit with 30 Different Types of Antennas



Gunn Based Microwave Test Bench up to X Band



Klystron Based Microwave Test Bench up to X band Klystron based basic microwave trainer



Microwave Circuit Measurement System



Underwater Acoustic Communication Laboratory

3.6 DEPARTMENT OF HUMANITIES, SOCIAL SCIENCES AND MANAGEMENT

The department came into being as Humanities department since the institute's inception. Later the department was upgraded as the Department of Humanities and Social Sciences in line with IITs. The Department is currently engaged in teaching English and Management courses to B.Tech. (Hons.), M.Tech., M.Sc., and MCA students.

3.6.1 VISION AND MISSION

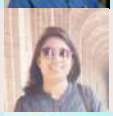
Vision

To contribute to the emergence of NIT Jamshedpur as a world-class institution, producing highly skilled engineers who are the finest specimens of technology at its best merging aesthetics with human values and social responsibility to make this world a better place.

Mission

To contribute to the holistic development of the students' personality to enable them to meet their professional and societal challenges successfully, teach essential human values in them, and make them sensitive to the concerns of the environment.

3.6.2 FACULTY

S. N.	NAME OF THE FACULTY	SPECIALIZATION/ RESEARCH AREA	PHOTO
1.	Dr. Rajiv Bhushan Ph.D., Associate Professor	American Literature	
2.	Dr. Manish Kumar Jha Ph.D., Associate Professor	Finance	
3.	Dr. Shwati Sudha Ph.D., Assistant Professor	Human Resource Management & Organisational Behaviour	
4.	Dr. Akanksha Shukla Ph.D., Assistant Professor	Marketing &Finance	
5.	Dr. Bansode Amit Namdev Ph.D., Assistant Professor	English Language Teaching, English Language Creativity, Designing Materials, Folktales and language teaching, Technical Communication	
6.	Dr. Neha Jaiswal Ph.D., Assistant Professor	Competition Policy, Public Policy, Economics of Strategy, Strategic Management, Innovation	
7.	Dr. Sushil Kumar Ph.D., Assistant Professor	Virtual Work Engagement, E-HRM Systems, Green HRM Practices, Personnel management, HR Audit and Accounts	

3.6.3 ACADEMIC PROGRAMME

The Department offer the following courses:

(a) Doctoral Programmes

Ph.D.

1. English
2. Management

3.6.4 LABORATORIES

1. Management and Business Analysis Lab
2. Language Lab



Management and Business Analysis Lab

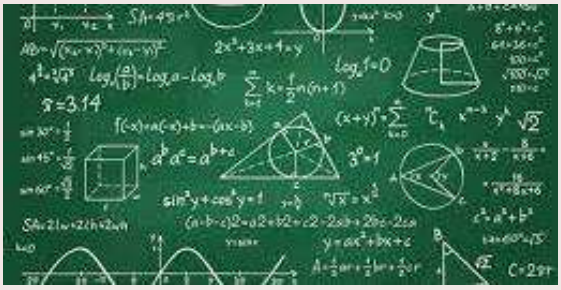


Language Lab

3.7 DEPARTMENT OF MATHEMATICS

The Department of Mathematics was established with the inception of National Institute of Technology as Regional Institute of Technology, Jamshedpur in 1960. The Department caters to the institute's need by providing teaching to the undergraduate and post-graduate students of engineering in several branches. It also offers two years master's program in Mathematics and Ph.D. program in different areas of Pure and Applied Mathematics. The Department provides an outstanding research environment complemented by excellent teaching for its students to flourish in various areas of academics and industry.

The Department's faculty members are handling research projects from reputed organizations such as Science & Engineering Research Board (SERB), DRDO, NBHM etc.



3.7.1 VISION AND MISSION

Vision

1. To be recognized as one of the best Mathematics Departments in the country and establish a reputation in terms of teaching and research.

Mission

1. To set high standards of excellence in creating and disseminating knowledge in Mathematics.
2. To focus on the emerging area of Research in Pure & Applied Mathematics.

3.7.2 FACULTY

S. N.	NAME OF THE FACULTY	SPECIALIZATION/ RESEARCH AREA	PHOTO
1.	Dr. Ramayan Singh Ph.D., Professor	Heat and Mass Transfer, Boundary Layer Theory, Numerical Methods	
2.	Dr. Sunil Kumar Ph.D., Associate Professor	Mathematical Modelling, Fractional Calculus, Mathematical Physics, Numerical Methods, Wavelet Methods	
3.	Dr. Raj Nandkeolyar Ph.D., Associate Professor	MHD fluid flow, Numerical Analysis	
4.	Dr. Shakti Prasad Ph.D., Associate Professor	Sampling Theory	
5.	Dr. Hari Shankar Prasad Ph.D., Assistant Professor	Numerical Analysis, Singularly Perturbed differential-difference equations, Delay problems	
6.	Dr. Sourav Das Ph.D., Assistant Professor	Complex Analysis, Special Functions	
7.	Dr. Ratnesh Kumar Mishra Ph.D., Assistant Professor	Commutative Algebra, Computational Algebra and Fuzzy Algebra	
8.	Dr. Snehasis Kundu Ph.D., Assistant Professor	Mathematical Modelling of Turbulent Flow, Hydraulics, Fractional Modelling	
9.	Dr. Rajat Tripathi Ph.D., Assistant Professor	Thin Film Flows, Magnetohydrodynamic, Heat and Mass Transfer, Boundary Layer Theory	

10.	Dr. Sumit Kumar Debnath Ph.D., Assistant Professor	Cryptology & Network Security, Coding Theory	
11.	Dr. Subha Sarkar Ph.D., Assistant Professor	Additive Number Theory	
12.	Dr. Samiran Chakraborty Ph.D., Assistant Professor	Numerical Functional Analysis	
13.	Dr. Y Ramu Naidu Ph.D., Assistant Professor	Optimization	

3.7.3 ACADEMIC PROGRAMME

The Department offer the following courses:

(a) Post-Graduate Programmes

M. Sc.: Mathematics

(b) Doctoral Programmes

3.7.4 EQUIPMENT PROCURED

S. N.	Equipment	Cost (INR)	Funding Agency
1.	Desktop Computer (40 Nos.)	37,93,600	DST
2.	Printer (2 Nos.)	72,777	DST
3.	Xerox Machine (1 No.)	2,58,458	DST
4.	MATLAB Software (40 Licence)	14,38,131	DST
5.	UPS (10 KVA)	1,98,863	DST
6.	Projectors (2 Nos.)	76,948	DST

3.7.5 LABORATORIES

1. Scientific Computing Lab



Scientific Computing Lab

3.8 DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering boasts well-qualified and experienced faculty have teaching and research exposure from globally ranked universities. Just like 2022, three faculty of the department are featured in the Global Top 2% researchers for the year 2023, namely Prof. Sanjay, Dr, Satish Kumar and Dr. Vishesh Ranjan Kar. Faculties of the Department have been engaged in cutting-edge research encompassing emerging fields including Smart materials/ Renewable Energy/ Nano Energy/ Thermo-Fluids / Manufacturing Management to name a few. The average publication of faculty per year of the department is one of the highest in the institute. Also, faculty having the highest h-index in the institute are from the Department. As on date the total publication of the Department is 600+ with total citations 7000+ and h-index of 43.

The Department has been actively engaged in conducting Workshops/ Seminar/ Karyashala/ FDP/ GIAN Programmes and National and International Conferences of repute. Through these events, the Department has been able to create a network with reputed Faculty from all across the globe. The Department has planned to float a new dual-degree programme in Electric Mobility in collaboration with EED and ECE Departments. Also, the Department has planned to set up a Practicing Engineers Lab which will house measuring/ Testing/ Inspection instruments used in the industry namely Vibration, Noise, and Thermography. The facility would be open to UG/ PG students to practice the use of these instruments so as to make them industry ready. An interactive relationship is maintained between the students and staff which enable the students to develop a sound foundation in a conducive environment. The Under Graduate programme of the department has been granted extension of accreditation of 2 years by NBA in 2022.



3.8.1 VISION AND MISSION

Vision

1. To be a centre for imparting world-class education in Mechanical Engineering
2. To conduct extensive and quality research and propel innovations for the betterment of society.

Mission

1. To train young minds and equip them with the best possible technical knowledge to meet the current and future demands of the industry, academic & research
2. To create infrastructure, motivation, and culture for the state-of-the-art research work in Mechanical Engineering
3. To enhance the research and teaching by interaction and developing relationships with industry, R&D organizations, and academic institutions
4. To develop an energetic environment for excellence, creativity, and perfection

3.8.2 FACULTY

S. N.	NAME OF THE FACULTY	SPECIALIZATION/ RESEARCH AREA	PHOTO
1.	Dr. Goutam Sutradhar Ph.D., Professor & Director	Metal Casting Process, Forged Powder Metallurgy Components, Metal and Polymer Metrix Composites, Foundry Technology	
2.	Dr. Ram Vinoy Sharma Ph.D., Professor & Deputy Director	Heat Transfer, CFD & Energy Studies	
3.	Dr. Shalendra Kumar Ph.D., Professor	Heat Transfer (Boiling) Tribology, CAD, Thermal Engineering	

4.	Dr. Mani Kant Paswan Ph.D., Professor (On Lien)	Renewable Energy, Manufacturing Process, Power Plant	
5.	Dr. Prabha Chand Ph.D., Professor	Thermal Engg., Aerodynamics & Solar Energy	
6.	Dr. Sanjay Ph.D., Professor	CAD of Thermal Systems Thermodynamics	
7.	Dr. Mrityunjay Kumar Sinha Ph.D., Professor	CFD, Free Surface Flow, Heat Transfer, Thermal Engg.	
8.	Dr. Satish Kumar Ph.D., Professor	Rheology of Slurry flow, Erosion wear	
9.	Dr. Saroj Kumar Sarangi Ph.D., Professor	Design, Smart Composite Structures, Functionally Graded Materials & Structures, Green Composites, Finite Element Analysis, Bio-Implants	
10.	Dr. Anil Kumar Prasad Ph.D., Associate Professor	Combustion Engg. Heat Transfer & Pinch Technology	
11.	Dr. Malay Niraj Ph.D., Associate Professor	Production Management & TPM	
12.	Dr. Parmanand Kumar Ph.D., Associate Professor	Thermal Engg., Refrigeration & Air Conditioning	
13.	Dr. Krishna Deo Prasad Singh Ph.D., Associate Professor	Solar Energy & Heat Transfer	
14.	Dr. Md. Ashique Hassan Ph.D., Associate Professor	Complex non-Newtonian fluid flow and heat transfer	
15.	Dr. Pranab Kumar Kundu Ph.D., Associate Professor	MEMs fabrication, Advanced manufacturing processes, Electrical Vehicle (EV) battery, Microfluidics	
16.	Dr. Saikat Ranjan Maity Ph.D., Associate Professor	AI & ML in Manufacturing Process, Process Modelling, Laser Welding Additive Manufacturing	
17.	Dr. Laljee Prasad Ph.D., Assistant Professor	Heat Transfer, Solar Energy	
18.	Dr. Naresh Prasad Ph.D., Assistant Professor	Vibration & Noise Control, Composite Materials & Tribology	
19.	Dr. Deepak Kumar Ph.D., Assistant Professor	Composite Materials, Finite Element Method	

20.	Dr. Vijay Kumar Dalla Ph.D., Assistant Professor	Robotics, Dynamics and Control, Bond Graph Technique, Fatigue	
21.	Dr. Shashank Pandey Ph.D., Assistant Professor	Computational Structural Mechanics, Composite and Sandwich Structures, Finite Element Analysis	
22.	Dr. Bipin Kumar Ph.D., Assistant Professor	Vibration and Acoustics	
23.	Dr. Dulari Hansdah Ph.D., Assistant Professor	IC Engine, Renewable Energy, Engine emissions and control	
24.	Dr. Vineet Sahoo Ph.D., Assistant Professor	Mechanical System Design, Mechanical Drives, FEM	
25.	Dr. Ashok Kumar Mandal Ph.D., Assistant Professor	Dynamics and Vibration, Non-Linear vibration	
26.	Dr. Vishesh Ranjan Kar Ph.D., Assistant Professor	Computational Mechanics, Advanced Composites, Nonlinear FEM, Functionally Graded Materials,	
27.	Dr. Sankar Kumar Roy Ph.D., Assistant Professor	Design Engineering/ Machine Health Monitoring, Structural Vibration, Experimental Mechanics	
28.	Dr. Ashok Kumar Barik Ph.D., Assistant Professor	Thermal Engineering/ Thermo-fluids, CFD	
29.	Dr. Shailesh Kumar Jha Ph.D., Assistant Professor	Thermal Engineering/ Aero-acoustics, Fluid solid interaction, Aerodynamics of airfoil	
30.	Dr. Arvind Kumar Patel Ph.D., Assistant Professor	Thermal Engineering/ Nano Particle Refrigeration, Human Thermal Comfort	
31.	Dr. Rinku Kumar Gouda Ph.D., Assistant Professor	Thermal Engineering/ Boiling Heat Transfer, Biosurfactant, Micro/Nano scale Fluid and Heat Transport, Surface Wettability	
32.	Dr. K Sri Krishna Sudhamsu Ph.D., Assistant Professor	Solid Mechanics and Mechanical Design/Impact Mechanics, Damage Mechanics, Mechanical Design	
33.	Dr. Abhijit Dey Ph.D., Assistant Professor	Composite Materials, Machining, Composite Thinfilm and coatings	
34.	Dr. Abhishek Sharma Ph.D., Assistant Professor	Biomaterials, Metal Matrix Nanocomposites, Electrochemical Energy Systems, Metal Matrix Nanocomposites	
35.	Dr. Alok Kumar Ray Ph.D., Assistant Professor	Thermal Energy Storage, Renewable Energy, Thermofluidics, CFD, Phase Change Material	

3.8.3 ACADEMIC PROGRAMME

The Department offer the following courses:

(a) Under-Graduate Programme

B.Tech. (Hons.)

- Mechanical Engineering
- Engineering & Computational Mechanics

(b) Post-Graduate Programmes

1. M.Tech.
   - Machine Design
   - Energy System Engineering
   - Thermal Engineering
   - Defence Technology – Combat Vehicle Engineering
2. Part Time M.Tech.
   - Maintenance Engineering

(c) Doctoral Programmes

3.8.4 EQUIPMENT PROCURED

Sl. No.	Equipment	Cost (INR)	Funding Agency
1.	Francis Turbine test rig	2,45,499/-	Institute Fund
2.	HP Work-station	4,89,824/-	SERB
3.	Creality Ender 3 KE 3D printer	34,798/-	Institute Fund
4.	Vacuum Desiccator	45,000/-	JKST&IC Project
5.	Hot Plate Magnetic Stirrer	15,000/-	Institute Fund

3.8.5 LABORATORIES

1. Engineering Mechanics Laboratory
2. Engineering Graphics & CAD Laboratory
3. Strength of Materials Laboratory
4. Fluid Mechanics Laboratory
5. Dynamics of Machinery Laboratory
6. Heat & Mass Transfer Laboratory
7. Metrology Laboratory
8. Applied Thermodynamics Laboratory
9. Fluid Machinery Laboratory
10. Renewable Energy Laboratory
11. Multiphase and Energy Transport Lab
12. Computational Mechanical Lab
13. Robotics & Embodied Artificial Intelligence Laboratory



Francis Turbine test Rig



Creality Ender 3 KE 3D printer



Utrasonic Probe Sonicator





Internal Combustion Engine Lab





Fluid Mechanics Lab



Gas Chromatograph with PC



Open Loop Chemical Looping Combustor (Combustion/Heat Lab)



Robotics & Embodied Artificial Laboratory

3.9 DEPARTMENT OF METALLURGICAL AND MATERIAL ENGINEERING

The Department of Metallurgical and Materials Engineering was amongst the four branches with which the institute was initially launched in 1960 with intends to focus on Advanced Materials, Composite Materials, Nanotechnology, Materials Technology, Foundry Technology, Iron & Steel, Mineral Benefaction, Corrosion, and Surface Engineering in which R & D work has been carried out. The Department offers B.Tech. in Metallurgical & Materials Engineering and M.Tech. in Industrial Metallurgy and Materials Technology. Department also offers admission in its Ph.D. Programme in various research areas of Metallurgical and Materials Engineering. It also offers part-time Ph.D. and Executive Ph.D. opportunity, mainly meant for those employed in industries and academic institutions.



3.9.1 VISION AND MISSION

Vision

1. To be a centre for imparting world-class education in Metallurgical and Materials Engineering, to perform extensive and quality research and do innovation for the betterment of society

Mission

1. To train young minds and equip them with the best possible technical knowledge to meet the current and future demands of industry, academia, research, and society
2. To create facilities for the research activities that motivate the researchers to carry out quality research work in the area of Metallurgical and Materials Engineering

3.9.2 FACULTY

S. N.	NAME OF THE FACULTY	SPECIALIZATION/RESEARCH AREA	PHOTO
1.	Dr. Ashok Kumar Ph.D., Professor	Mechanical Metallurgy, Fatigue, Fracture & Failure Analysis, Physical Metallurgy	
2.	Mr. Binod Kumar Singh M.Tech., Associate Professor	Foundry Technology	
3.	Mr. Chandra Sekhar Choudhary M.Tech., Associate Professor	Extractive Metallurgy of Iron & Steel. Melting Practices, Coke making, Corrosion Science & Engineering	
4.	Dr. Rina Sahu Ph.D., Associate Professor	Metallic glasses, Nano Structured Materials, Mineral Beneficiation, Hydrometallurgy, Coal characterisation & beneficiation	
5.	Dr. Sanjay Kumar Vajpai Ph.D., Assistant Professor	Physical Metallurgy and Materials Design, Powder Metallurgy Processing	
6.	Dr. Aravind Gali Ph.D., Assistant Professor	Physical Metallurgy, Thermodynamics, Phase Transformations, Structure-Property-Correlations in Materials	
7.	Dr. Poulami Maji Ph.D., Assistant Professor	Physical Metallurgy, Mechanical Metallurgy	

8.	Dr. Renu Kumari Ph.D., Assistant Professor	Surface Engineering, Corrosion, Biomaterial	
9.	Dr. Ram Krishna Ph.D., Assistant Professor	High-temperature Materials, Nuclear & Advanced Materials of Ultra-supercritical Power Generation, Metallurgy, Material Degradation at Extreme Environment, Microstructural and Mechanical Characterisation of Materials	
10.	Dr. Monalisa Mandal Ph.D., Assistant Professor	Semi-solid Deformation, Metal matrix composites, Structure-Property Correlation, Creep and Fatigue Behaviour, Texture Analysis and Aqueous Corrosion	
11.	Dr. Jichil Majhi Ph.D., Assistant Professor	Physical Metallurgy, Mechanical Metallurgy, Light metal alloys, mechanical properties, corrosion behaviour	
12.	Dr. Anushree Dutta Ph.D., Assistant Professor	Structure-property correlation, Casting and Solidification, Microstructure and Mechanical properties, Nanostructured materials, Characterization and mechanical testing, High-temperature materials,	
13.	Dr. Partha Duley Ph.D., Assistant Professor	Physical Metallurgy, Mechanical Metallurgy, Corrosion Engineering, Microstructure and Texture analysis, Deformation studies, Structure-Properties correlation	
14.	Dr. Binay Kumar Ph.D., Assistant Professor	Ironmaking, Steelmaking, Thermodynamic Modelling, Alternate Routes of Iron and Steel Making, Process optimization	
15.	Dr. Amit Patel Ph.D., Assistant Professor	Characterization, Corrosion, Fatigue and fracture, Mechanical Behaviour of Metals, alloys and composite	
16.	Dr. Ashwinee Kumar Ph.D., Assistant Professor	DFT, Molecular Dynamics, computational material science	
17.	Dr. Prakash Sarkar Ph.D., Assistant Professor	Polymer-nanocomposites, Glassy Polymers, Small-scale deformation, Nanoindentation	

3.9.3 ACADEMIC PROGRAMME

The Department offer the following courses:

(a) Under-Graduate Programme

B.Tech. (Hons.): Metallurgical and Materials Engineering

(b) Post-Graduate Programmes

1. M.Tech.:
   - Industrial Metallurgy
   - Materials Technology
2. Part Time M.Tech.:
   - Iron and Steel Technology

(c) Doctoral Programmes

3.9.4 EQUIPMENT PROCURED

S. N.	Equipment	Cost (INR)	Funding Agency
1.	Potentiostat	12,00,000/-	Institute Fund
2.	2 units of Grinding Polishing Machine	1,77,808/-	Institute Fund
3.	Squeeze Casting Machine	12,98,119/-	Institute Fund

3.9.5 LABORATORIES

1. Thermodynamics Lab.
2. Process Metallurgy Lab.
3. Physical Metallurgy and Metallography Lab.
4. Heat Treatment Lab.
5. Mineral Beneficiation and Processing Lab.
6. Material Testing Lab.
7. Characterisation Lab.
8. Advance Manufacturing Lab.
9. Foundry Lab.
10. Advance Materials Processing and Powder Metallurgy Lab.
11. Analysis Lab.
12. Advance Instrumentation and Computation Lab.
13. Surface Engineering and Corrosion Lab.
14. Workshop





Polishing machine



Roll Grinder



Nano Particle Ball Mill



High Temperature Muffle Furnaces



Universal Testing Machine



Squeeze casting machine



Sand Rammer



Sand Washer

3.10 DEPARTMENT OF PHYSICS

The Department of Physics at the National Institute of Technology Jamshedpur was formed in 1960. The department has always produced quality professionals in Physics and has strived for excellence in research and development. Currently, the department offers M.Sc. and Ph.D. programmes in various specializations of Physics.

3.10.1 VISION AND MISSION

Vision:

1. To impart quality education in Physics to produce good quality, technically trained, world-class human resources.
2. To promote research and development in the emerging and thrust areas.

Mission:

1. To become dynamic, quality conscious, forward looking and responsive to global economically viable technological development by imparting quality technical education.

3.10.2 FACULTY

S. N.	NAME OF THE FACULTY	SPECIALIZATION/ RESEARCH AREA	PHOTO
1.	Dr. Ujjwal Laha Ph.D., Professor	Nuclear Physics	
2.	Dr. Hira Lal Yadav Ph.D., Professor	Holography	
3.	Mr. Ajay Kumar Singh M.Sc., Associate Professor	Radio Physics and Electronics	
4.	Dr. Rajeev Ranjan Ph.D., Associate Professor	X-ray crystallography, Holography	
5.	Mr. Bibekananda Kundu M.Sc., Associate Professor	Material Science	
6.	Dr. Uday Kumar Ph.D., Assistant Professor	Spectroscopy	
7.	Dr. Neha Agnihotri Ph.D., Assistant Professor	Computational Physics	
8.	Dr. Abhishek Majhi Ph.D., Assistant Professor	Gravitational Physics, Quantum Physics, Metrology and Quantity Calculus, Foundations of Calculus	

3.10.3 ACADEMIC PROGRAMME

The Department offer the following courses:

(a) Post-Graduate Programmes

M. Sc. : Physics

(b) Doctoral Programmes

3.10.4 LABORATORIES

1. Physics Laboratory
2. Photonics Laboratory
3. Advanced Computational Physics Laboratory

3.10.5 EQUIPMENT PROCURED

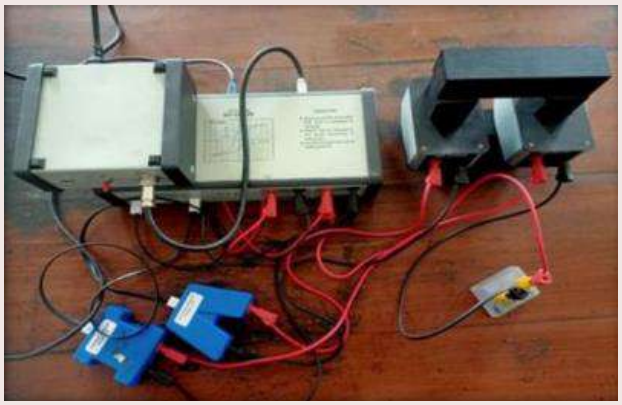
S. N.	EQUIPMENT	COST (INR)	FUNDING AGENCY
1.	Two workstations	9,24,888/-	Institute Fund
2.	Interactive Panel	Approx. 5L	Institute Fund

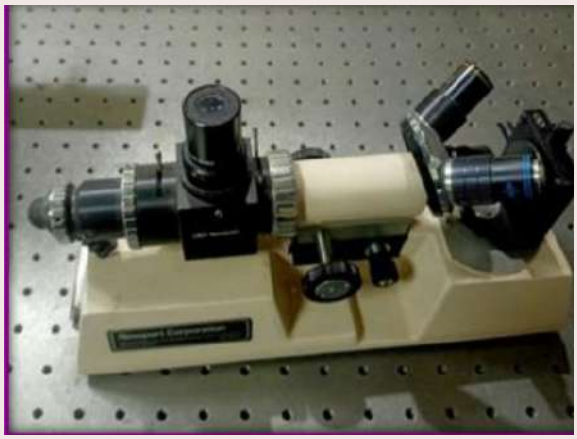


Michelsons Interferrometer


Newton' Ring


High Speed Spin Coating


B-H Curve Apparatus


Optical Fibre Microscope


Bending of Beam Apparatus

3.11 DEPARTMENT OF PRODUCTION AND INDUSTRIAL ENGINEERING

The Department of Production & Industrial Engineering was started in 1988 with "Production Engineering & Management". The name of this Department was changed to Production & Industrial Engineering in the year 2007. The Department offers a UG course for B.Tech. (Hons.) degree in Production and Industrial Engineering and a PG course in Manufacturing Systems Engineering and Ph.D. program in various streams of Production and Industrial Engineering. The Department is currently developing different engineering laboratories like CAD/CAM Lab, Advanced Manufacturing and Flexible manufacturing systems Lab, Non- Traditional Manufacturing lab, Industrial Engineering & Ergonomics lab, and Central workshop.

From time to time, curricula/syllabus is upgraded as per the market and technology requirements. The Department has also proposed to start a new PG course in Production Management which will cater to the current industrial need. The Under Graduate programme of the department has been accredited by NBA for 3 years in 2019.



3.11.1 VISION AND MISSION

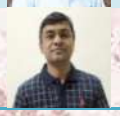
Vision

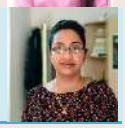
1. To produce engineers and researchers with excellent technical knowledge, research acumen, leadership skills and ethical responsibility

Mission

1. To educate B.Tech., M.Tech., and Ph.D. students with fundamental knowledge in concerned subjects and update them with the state-of-the-art in the field.
2. To develop and maintain laboratories that cater to the needs of the students
3. Quest for inter-disciplinary research.
4. To promote academia- research-industry collaboration.

3.11.2 FACULTY

S. N.	NAME OF THE FACULTY	SPECIALIZATION/RESEARCH AREA	PHOTO
1.	Dr. Amaresh Kumar Ph.D., Professor	Computer-Aided Design and Manufacturing. Industrial Engineering, Micro Machining	
2.	Dr. Raj Ballav Ph.D., Professor	Rapid prototyping, Reverse Engineering, CAD, Non-Traditional manufacturing	
3.	Dr. Shashi Bhushan Prasad, Ph.D., Professor	Energy management, Industrial Engineering, Production Management	
4.	Dr. Ashok Kumar Jha Ph.D., Associate Professor	CAD/CAM, Robotics, Production Engineering	
5.	Dr. Kamal Pal Ph.D., Associate Professor	Manufacturing process monitoring, Joining processes, Additive manufacturing	
6.	Dr. Dharmendra Patel Ph.D., Assistant Professor	Industrial Engineering	
7.	Dr. Dinesh Kumar Ph.D., Assistant Professor	Supply Chain Management, Operations Management	

8.	Dr. Kanika Prasad Ph.D., Assistant Professor	Multi criteria decision making, Expert systems, Operations research	
9.	Dr. Mayuri Baruah Ph.D., Assistant Professor	Welding, Additive Manufacturing, Finite Element Modeling of welding process, Residual stress analysis, Advanced materials, Micro structural Analysis, Materials Processing	
10.	Dr. Tushar Banerjee Ph.D., Assistant Professor	Surface Coating, Materials Characterization, High-Speed Machining, Wear Analysis of Cutting Tools, Tribology	
11.	Dr. Kuntal Maji Ph.D., Assistant Professor	Manufacturing Engineering	
12.	Dr. Gunda Yoganjaneyulu Ph.D., Assistant Professor	Metal Forming	
13.	Dr. Shubham Tripathi Ph.D., Assistant Professor	Supply chain management, Operations research, Forecasting	
14.	Dr. Sushmita Datta Ph.D., Assistant Professor	Laser Materials Processing, Additive Manufacturing, Solid State Joining, Advanced Welding	

3.11.3 ACADEMIC PROGRAMME

The Department offer the following courses:

(a) Under-Graduate Programme

B.Tech. (H): Production and Industrial Engineering

(b) Post-Graduate Programmes

1. M.Tech.:
   - Smart Manufacturing
   - Operations and Supply Chain Management
2. Part Time M.Tech.:
   - Production Management

(c) Doctoral Programmes

3.11.4 EQUIPMENT PROCURED

S. N.	Equipment	Cost (INR)	Funding Agency
1.	Scratch Tester	14,72,549/-	ANRF
2.	AnyLogistix Studio Academic (Software)	5,00,000/-	Institute fund
3.	Computerized hydraulic deep drawing press	7,20,000/-	Institute fund
4.	Laser Engraving Machine	2,85,000/-	Institute fund
5.	Polishing Machine	71,440/-	BIS
6.	CNC VMC	26,50,000/-	Institute fund
7.	Z-Cast Software	9,93,400/-	Institute fund

3.11.5 LABORATORIES

1. CAD/CAM Laboratory
2. Welding Laboratory
3. Advanced Manufacturing and FMS Laboratory
4. Surface Coating Laboratory
5. Non-Traditional Manufacturing Laboratory
6. Industrial Engineering and Ergonomics Laboratory

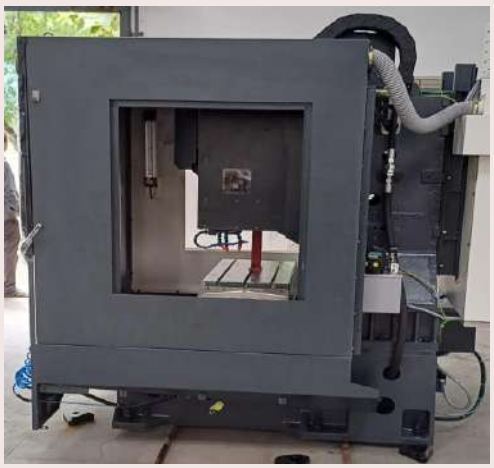
7. Foundry Laboratory
8. Central Workshop
9. Metal forming and Additive Manufacturing Laboratory
10. Advanced Machining Laboratory
11. Advanced casting and composite laboratory
12. Supply chain and operations management laboratory



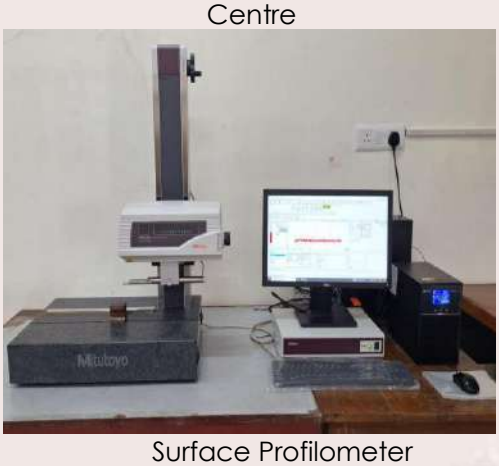
FDM Machine



Pulsed MIG -based WAAM


CNC Vertical Machining Centre


Mechanical Tilting Type Aluminium Melting Furnace



Surface Profilometer


Hot-mounting Press



Electroless and Electrolytic Coating Facility with All Accessories



AnyLogistix Studio Academic Software



Scratch Tester

3.12 DESIGN AND INNOVATION CENTER

In August 2024, NIT Jamshedpur established the Design and Innovation Center (DIC) to foster design education and drive innovation among its students. The center currently offers three distinctive programs:

National Initiative for Design and Innovation (NIDI): A Government of India initiative, NIDI designates NIT Jamshedpur as a spoke institute under the hub of IIT Kharagpur. Through this program, the institute has created numerous innovative solutions focused on rural development, making a tangible impact on communities across India.

Capacity Building in Design and Entrepreneurship Development (CBDE): Another Government of India initiative, CBDE involves 50 select institutes nationwide, with NIT Jamshedpur being one of the chosen institutions. The program is designed to strengthen the design and entrepreneurship ecosystem by training both faculty and students in core design thinking principles. Renowned external experts provide valuable mentorship to nurture entrepreneurial mindsets and innovation.

Masters in Design (M.Des.) in Product Development: Launched in July 2024, this cutting-edge program provides students with expertise in creativity, visual effects, ergonomics, product design, analysis, management, and user-centered perspectives. Open to students from diverse fields—including arts, commerce, science, design, and engineering—with a four-year bachelor's degree or a master's degree, the MDes program equips graduates with the skills needed to excel in the dynamic field of product development.

The Design and Innovation Center at NIT Jamshedpur plays a vital role in shaping the future of design education, empowering students to innovate, and contributing to the broader goals of development and entrepreneurship across India.

3.12.1 ACADEMIC PROGRAMME

The Center offer the following courses:

(a) Post Graduate Programme

- Masters in Design (M.Des.) in Product Development

(b) Doctoral Programme

3.13 CENTRE FOR INDIAN KNOWLEDGE SYSTEM

The Centre for Indian Knowledge Systems was established at the National Institute of Technology, Jamshedpur on June 30, 2023, to fulfil the objectives of the New National Education Policy. The main aim of this centre is to integrate the traditional systems of knowledge and practices used in human life since ancient times with modern science and technology, and thereby contribute to the development of contemporary technologies. The primary fields of work of this centre include the development of traditional science and technology, the advancement of new techniques based on Vedic mathematics and astronomical sciences, and the digitization and promotion of classical music and ancient Indian arts. Within this centre, there is also an effort to make the use of techniques based on ancient traditions related to Ayurveda, yoga, and naturopathy more accessible. Another key objective of this centre is to promote cow-based agriculture and its sustainable development, while raising awareness among farmers and connecting these efforts to the common people.

This centre also aims to preserve and promote the refined and traditional art and culture of tribal communities, as well as to develop technologies that can help spread and adapt them globally. Research at this centre also includes studies on traditional metalworking and metallurgical methods, the scientific aspects of ritual practices—particularly the effects of sound generated through the recitation of mantras—and the science associated with yajna (Vedic rituals). The development of this centre will enable new generations to learn not only modern science but also the Indian knowledge tradition concerning the origin and growth of matter, mind, and consciousness, and to understand both ancient and modern technologies from their philosophical foundations. The research conducted here will provide a scientific basis for our ancient systems and traditions. This centre will inspire technical institutions to explore the works of their ancestors and will help instil in future generations a spirit of excellence toward national life, contributing to the reestablishment of India's supreme glory.

CHAPTER – 04 | FACULTY ACHIEVEMENTS

4.1 SPONSORED RESEARCH PROJECTS

S. N.	Project Title	Sponsoring Agency	Date of Award	Project Cost (in lakhs)	Investigator(s)	Duration
1.	Microplastic pollution in freshwater ecosystems: Identifying the Sources, Effects, and Solutions".	ARNF	11/01/2024	43.56 Lakhs	Dr. Balram Ambade	3 years
2.	Coal to Chemical Sensors: Conversion of low-grade coal to carbon dots-based smartsensing strips for on-site monitoring of heavy metals in water bodies aroundthe coal fields	Central Mine Planning & Design Institute Limited (CMPDI) Ministry of Coal	17/03/2025	53.21 Lakhs	Dr. BalramAmbade &Dr.Jigneshkumar V. Rohit	2 Years
3.	Nickel CatalysedPhoto-AssistedConversion ofCarbon Dioxideto Formate andCarboxylic Acidsin Presence ofNon-InnocentRed-Ox Active Ligands	ANRF	03/03/2022	28.82 Lakhs	Dr. Moumita Mondal	3.5 years
4.	Examination of Cracks in the Bottom Deck Slab of Distressed Structures [VUP/PUP/CUP] and their Remedial Measures for Utilisation and Longevity [NH – 33 & NH – 06]"	NHAI Ranchi	6/1/2025	10 Lakhs	Dr. A. K. Singh	6 Months
5.	Enhancement of the Stability of Engineered Slope by Vegetation: A Sustainable Approach	MoE-STARS	26/09/2023	35.97Lakhs	Dr. Subhadeep Metya (PI)& Dr. S. Mondal (Co-PI)	36 months
6.	Low cost flood proof house applicable to rural flood prone areas	Department Science and Technology	12/12/2023	30.07 Lakhs	Dr. S. Madhuri and Mr. Rahul Kanotra	3 Years
7.	Design and Development of Artificial Intelligence based Model for Conversion from Santali to English,	JCSTI	29/08/2024	4.0 Lakhs	Dr. Koushlendra Kumar Singh	2 Years
8.	Fusion Technology Development of Electrical Tomography and Machine Learning for High Quality Waste Plastic Recycle	DST	18/12/2024	10.66 Lakhs	Dr. Koushlendra Kumar Singh	2 years
9.	Erasmus+ Programme / International Credit Mobility (ICM) with Technical University of Crete (GREECE) (with Professor Michalis Zervakis)	European Union	NA	11.710 euros	Dr. Koushlendra Kumar Singh	3 years (Completed on 30th July 2025)
10.	The Data-Driven Agriculture Model to Mitigate Climate Change Impact on the Rice Crop in Indo ASEAN countries	DST(SERB)	22/03/2024	10.96 Lakhs	Dr. Subrata Dutta, Dr. Pradorn Suriphong (Thailand), Dr. Sridevi Ravana (Malasia)	2 Years
11.	Development of Low-Cost Artificial Intelligent System for Prediction of Bone Mineral Density (BMD) From Plain Radiographic Images in Osteoporosis Detection	ICMR	15/01/2025 andProject Start Date is 01/02/2025	218 Lakhs (NIT Jamshedpur Budget 38 Lakhs)	Dr. Jitesh Pradhan (Site – PI) and Prof. D. A. Khan (Site Co-Pi)	3 Years

12.	Smart and Effective IoT and GNSS Technology based Tea farming and Tourism for Tea Community Development	HEFA	June, 2024	48.43 Lakhs	Dr. Surajit Kundu	3 years
13.	Design and Development of Antennas for Early Detection of Oral/Mouth Cancer, Lung Cancer and Breast Cancer	JCSTI, Jharkhand	June, 2025	7.19 Lakhs	Dr. Surajit Kundu	3 years
14.	Development of handheld/ drone-compatible, affordable 'Microwave Scanner-GNSS Station' (MSGS) for buried object detection with centimeter-level precision	TEXMIN, IIT (ISM), DST	August, 2023	20.95 Lakhs	Dr. Surajit Kundu	2 Years
15.	Affordable Cognitive Radio 'Antenna-FSS' Development at 5G/beyond 5G and UWB/SWB Spectrums	ANRF, Govt. of India	February, 2023	19.80 Lakhs	Dr. Surajit Kundu	3 years
16.	IoMT-based Health Monitoring System for Elderly to Predict the Early Signs of Emergency Through Machine Learning	EEQ, Science, and Engineering Research Board (SERB), Government of India	03/03/2022	20.84 Lakhs	Basudeba Behera	42 Months
17.	Development of AI enabled tool for the Identification of Deep Fake/Morphed Images as Investigation Input for the Law Enforcement Agency	JCSTI	29/05/2025	4.5 Lakhs	Dr. Rajashree Nayak	2 Years
18.	Design and development of System on Chip based next generation IoT System for Industry 4.0 with Functional Safety and Security Features.	Meity	14/07/2023	96 Lakhs	Dr. Kunal Singh (Co-PI)	5 years
19.	Design, Implement and Deploy Renewable Energy System suitable for remote/tribal communities where the conventional energy/power supply is not available or available utility grid has poor reliability.	Meity	5/04/2024	28.40 Lakhs	Dr. Kunal Singh (Co-PI)	1 year
20.	PracticalImplementation of Non-Fragile Sliding Mode Controller based Non-Isolated Universal On-Board Battery Charger for Electric Vehicle	ANRF (SERB)	10/03/2022	27.43 Lakhs	Dr. Mrinal Kanti Sarkar	42 Months
21.	Design and Development of Sustainable Electric-Mini Tractor for Specially Challenged Marginal Farmers.	Jharkhand Council of Science Technology and Innovation (JCST&I-GoJ)	29/05/25	6.5 Lakhs	Dr. K. Namrata	3 Years
22.	Preparation of Test Method for Vertical Fatigue Testing of Suspension Fork for Bicycles.	BIS	June 2024	3.6 Lakhs	Dr. K.S.K. Sudhamsu (PI) Dr. Rinku Kumar Gouda (Co-PI) and Dr. Ashok Mandal (Co-PI)	5 months
23.	Development of Self-Healing Composite Materials	DST	30/05/2023	9.45 Lakhs	Dr. Deepak Kumar (PI)	3 Years
24.	Automated Portable Ball Milling Machine	MSME, GOI	23/07/2022	14 Lakhs	Dr. Deepak Kumar	2 Years (Completed)

25.	Thermal Shock Analysis of Porous Functionally Graded Pretwisted Rotating Blade	ANRF	30/01/2023	18.78 Lakhs	Dr. Shashank Pandey	3 Years
26.	Enabling Technical Textiles for Education, Training and Skill Development	NTTM, Ministry of Textiles, GOI	2023	161 Lakhs	Dr. Deepak Kumar Dr. VineetSahoo Dr. Sankar K. Roy Dr. Dulari Hansdah	5 Years
27.	Development of Compact Thermo-Electric Generator integrated PEM Electrolyser for onboard Hydrogen Production for Co-firing in Compression Ignition Engine: A Hybrid Approach". File no: CRG/2023/004717	Science & Engineering Research Board (SERB) Fund: Rs. 48, 40000 Awarded in May 2024	2024	48.12 Lakhs	Prof. Sanjay, Dr.Tushar Choudhary	3 years
28.	USHA: Urine Sense towards Health Analysis of kidney	ICMR	01/10/2021	50 Lakhs	Dr. Pranab Kumar Kundu	3 Years
29.	NIDAAN: Novel AI-enabled Intelligent Detection and Analysis Array for Nephrology in resource-limited settings	ICMR	01/04/2025	99.94 Lakhs	Dr. Pranab Kumar Kundu	1 Year
30.	Design and Development of Remotely Operated BIO INSPIRED Underwater Vehicle	NMICPS TiHAN IIT Hyderabad	14/02/2024	22 Lakhs	Dr. Vijay Kumar Dalla-PI, Dr. Prafulla Kumar Swain, GITAM University, Vishakhapatnam -CoPI	2 Years
31.	Design and Development of Remotely Operated Underwater Vehicle	IIT Guwahati Technology Innovation and DevelopmentFoundation	01/02/2024	13 Lakhs	Dr. Vijay Kumar Dalla-PI, Dr. Prafulla Kumar Swain, GITAM University, Vishakhapatnam-CoPI, Dr. Ashok Kumar Barik, CoPI	2 Years
32.	Revitalizing the sacred art of ancient ironmaking: documentation, recommendations, and future directions	MoE	Dec. 2023	9.5 Lakhs	Dr Ram Krishna/Dr Binay Kumar	2.5 Years
33.	Study on the classification, recommended practices, requirements and test methods for chromate conversion coatings on aluminium and aluminium alloys (MTD 0179)	BIS	18/2/2025	6 Lakhs	Dr. Aravind Gali (PI) Dr. Renu Kumari (Co-PI)	4 months
34.	Study of the requirements of Iron oxide powder for use in foundries (MTD 0143)	BIS	25/06/2025	5 lakhs	Dr. Binay Kumar (PI) Dr CS Azad (Co-PI)	6 months
35.	Development of Advanced Cryptographic Primitives using Multivariate Public Key Cryptography as an Aid to IoT and Blockchain Technology	CEFIPRA	16/01/2023	97.53 Lakhs	Dr. Sumit Kumar Debnath	2023-2026
36.	GRAID Research Project	IMU	01/07/2022	13584 USD	Dr. Sumit Kumar Debnath	2022-2026
37.	Development of an integrated tool for analysing performance of Government Programs	UBA, IIT Delhi	21/6/24	0.5	Dr. Kanika Prasad	6 months
38.	Impact Assessment of Entrepreneurship Schemes	Indian Council of Social	20/9/24	13 Lakhs	Dr. AkankshaShukla,	12 months

	of Government of India on Tribal Women of Jharkhand	Science Research (ICSSR) (Ongoing)			Dr. Dinesh Kumar, Dr. Kanika Prasad, Dr. Chandrashekhar Azad	
39.	Identification of Factors for Productivity Enhancement and Performance Excellence in Spectra Super Alloys Limited	Spectra Super Alloys Limited	22/01/2025	1.26 Lakhs	Dr. Shwati Sudha	12 months
40.	Development of a novel and indigenous process chain for fabrication of low-cost, high-performance,super-abrasive, micro-grinding tools	Anusandhan National Research Foundation (Ongoing)	10/03/2023	35.31 Lakhs	Dr. Tushar Banerjee	36 months
41.	Conversion of food/bio waste to energy and joint implementation at one of the DVC field stations	Damodar Valley Corporation (DVC) (Ongoing)	06/01/2023	8.26 Lakhs	Dr. Tushar Banerjee	24 months
42.	Study of quality requirements of hot rolled medium and high carbon steels for general engineering purposes	BIS	27/09/2024	5.5 Lakhs	Dr. Kuntal Maji	12 months
43.	Study of quality requirements of carbon steel forgings for ship building industries	BIS	01/10/2024	5.0 Lakhs	Dr. Kuntal Maji	12 months

4.2 CONSULTANCY SERVICES/TESTING PROJECTS

S. N.	Name of the Consultancy/Testing	Sponsoring Agency	Amount Earned (in Rs.)
	DEPARTMENT OF CIVIL ENGINEERING		
1.	Testing	Trilok & Associate	28910
2.	Consultancy	Shree Balaji Engincons Limited	46256
3.	Testing	Sparsh Engg. Company P Ltd.	70800
4.	Testing	Hindustan Steel Work Construction Ltd	82600
5.	Consultancy	Hindustan Steel Work Construction Ltd	120360
6.	Consultancy	Outlook Design Heed	76700
7.	Consultancy	Sparsh Engg. Company P Ltd.	118000
8.	Consultancy	Airport Authority Of India Gaya	129800
9.	Testing	Airport Authority Of India Gaya	283200
10.	consultancy	Radha Rani & Sons	23600
11.	consultancy	Outlook Design Heed	47200
12.	Vetting of the design & drawing	Myriad Studio Architects	23600
13.	Consultancy	Outlook Design Heed	94400
14.	Consultancy	Outlook Design Heed	70800
15.	Consultancy	Office Of DRM	70800
16.	Consultancy	Outlook Design Heed	47200
17.	Consultancy	Archited Planner Ecologist Engineer	118000
18.	Consultancy	Global Industries Meghatuburu	236000
19.	Consultancy	Jnvians Design & Construction Pvt Ltd.	88500
20.	Consultancy	Outlook Design Heed	118000
21.	Consultancy	Meghraj Logisales Pvt	47200
22.	Consultancy	Meghraj Logisales Pvt	23600
23.	Consultancy	Sepc Ltd	47200
24.	Consultancy	Sepc Ltd	70800
25.	Consultancy	C B Enterprise	29500
26.	Consultancy	R B Testing	29500
27.	Consultancy	R B Testing	29500
28.	Consultancy	R B Testing	29500
29.	Consultancy	R B Testing	29500

30.	Consultancy	R B Testing	29500
31.	Consultancy	R B Testing	29500
32.	Consultancy	R B Testing	29500
33.	Consultancy	Skematic Consultants	448400
34.	Consultancy	R B Testing	29500
35.	Consultancy	Adhunik Power	432000.006
36.	Consultancy	M/S Engineering Projects Ltd.	354000
37.	Checking & Vetting of the design & drawing	Mangla Builders Associates	23600
38.	Consultancy	Shree Housing	5664
39.	Testing	Sparsh Engineering	70800
40.	Testing	Shree Housing	5664
41.	Consultancy	Shree Housing	2832
42.	Checking & Vetting of the design &drawing of steel canopy	Mangla Builders Associates	23600
43.	Testing	Capstone Consultants Pvt Ltd	94400
44.	Consultancy	Shree Housing	5664
45.	Consultancy	Sparsh Engineering	23600
46.	Consultancy	Geecon India	29500
47.	Consultancy	Baani Construction	29500
48.	Consultancy	Cube Engitech Consultant	47200
49.	Consultancy	Mangla Builders	47200
50.	Checking & Vetting of Structural design& drawing	Mascot Engineering	23600
51.	Consultancy	U P Project Kolkata	236000
52.	Consultancy	Myriad Studio	23600
53.	Proof Checking of design & drawing construction	Damodar Construction	35400
54.	Testing	Triveni Engicons Pvt	19470
55.	Testing	Suhana Merchandise	14160
56.	Consultancy	A D Construction	28320
57.	Testing	U P Project Kandepara	118000
58.	Testing of Core Samples	Shree Ram Enterprises	46020
59.	Testing	U P Project Kondagaon	708000
60.	Testing	H G Infra Engg. Ltd	86940.04
61.	Consultancy	H G Infra Engg. Ltd	86940.04
62.	Vetting of Structural design & drawing ofthe tank structure designed for STP ofthe Govindpurirly colony at Kanpur	Envirofluent Projects Pvt Ltd	23600
63.	Consultancy&Testing	Omprakash Garhwal	98412
64.	Consultancy&Testing	Floatex Solar Pvt Ltd	98412
65.	Consultancy	Hscl Ranchi	98412
66.	Consultancy	Fena Pvt Ltd	236000
67.	Testing	Harrysons Consultants Pvt Ltd	236000
68.	Consultancy	Rungta Sons Pvt Ltd	67850
69.	Testing	Anand Shree Infrareality Pvt Ltd	38940
70.	Testing	Ganpati Envirotech	68676
71.	Vetting of building drawing & issue of structural certificate	M/S Sanjay Kumar Singh, UPSIDC Industrial Area UP,India	2,00,000
72.	Request for Proof check of structural design of RCC Wall	Asstt. Gm (Engg) Gaya Airport 823004	1,10,000
73.	Examination of structural stability Building at Birsa Munda	AGM (E.C) Airport Authority Of India,B.M. Airport ,Ranchi 02	2,40,000
74.	Request for Proof check of structural design of RCC Wall	M/S S Associate, Jaipur, Rajasthan	60,000
75.	Proof checking/vetting of structural drawings of 07 numbers of ROBs at various locations under Khurda Road division in Odisha	Engineering Projects (India) Ltd.	2478000
76.	Stability analysis of fly ash dykes and certification of ash ponds and dykes as per CPCB Guidelines for the Thermal Power Plant at Padampur, Jharkhand	Adhunik Power & Natural Resources Ltd.	472,000

77.	Checking and vetting of Reports of Contour Survey & Drawing for development of existing drainage system RCTC, MI & BGTC area under GE Barrackpore, Kolkata	M/S Duttacon Consultant & Engineers Pvt. Ltd.	47,200
78.	Consultation in connection with seepage/leaching issues from ash dyke at the Mahan Power Plant	Hindalco Mahan Aluminium, Cpp	189,000
79.	Testing of Materials and Trial Mix of concrete of M-25 (nominal mix) grade prepared by using artificial sand as fine aggregate with PSC	M/S Ganpati Envirotech	68,000
80.	Proof checking of structural design for radiation oncology & nuclear medicine block within the premises of proposed Padmabati Devi Multispecialty Hospital at Adityapur	Padmabati Devi Multispecialty Hospital Pvt. Ltd.	3,45,000
81.	Design Vetting for Intake Well with Gangway on Pile Foundation	SEPC Limited 1st Floor, 6&7, Millenium Tower, R Road, Jamshedpur	70,000
82.	Structural Audit of IIPA Delhi	Jnvians Design & Constructions Private Limited Patel Nagar,New Delhi	88,500
83.	Vetting of Design & Drawing on Barki Sariya Urban Water Supply Scheme	Vikash Kumar Nagra Untari, Garhwa, Jharkhand-822121	460000
	DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING		
1.	Welding issues in tippers	Himalaya Enterprises	5,00,000
	DEPARTMENT OF MECHANICAL ENGINEERING		
1.	Vetting of Electro-Mechanical Designand Drawing of Vertical Turbine Pumpand Horizontal Split Case Pump alongwith their induction motors forSIMDEGA Urban Water SupplyProject under AMRUT 2.0.	R. Industries, Ranchi, Jharkhand	20,000
2.	Measurement of mitigation of noise generated by compressor station validation	Veneklasen Associates India LLP	1,22,000
3.	Validation of Noise Measurement data taken by M/S Veneklasen Associates (VA) of DNPL plant	M/S Veneklasen Associates (VA)	1,22,880
4.	Vetting of Electro-Mechanical design and drawings of vertical turbine pump and horizontal split case pump along with induction Motor for Simdega Urban Water Project under AMRUT 2.0	Jharkhand Urban Infrastructure Development Company Ltd.	20,000
5.	Consultancy Project on Validation of Geothermal Energy Building	CPWD	3,50,000
6.	Pole Design and Drawing.	NA	35,400
7.	Vetting of Electro-mechanical Design andDrawing of VerticalTurbine PumpandHorizontalSplitCase Pump along with their IntroductionMotors for SIMDEGA Urban Water Supply Project Under AMRUT 2.0	SIMDEGA Urban Water Supply Project Under AMRUT 2.0	20,000
8.	Cooling Tower or Central AC Plantand Re-installation of HVAC Pipe Line and OWCT for AIIMS Patna.	AIIMSPatna	1,23,253
9.	Measurement of Mitigation of Noise Generated by Compressor Station Validation.	NA	1,22,880
10.	Mechanical Testing of Rebarsetc	NA	1,05,000

4.3 PATENTS (Filed/Published/Granted)

S. N.	Name of the Faculty	Patent Title	Application No.	Patent Status
		DEPARTMENT OF CIVIL ENGINEERING		
1.	Dr. A. K. Singh	A system and method of model of ring footing fixed with geogrid strip and loaded at central radius	202431008750 Date: 15/03/2024	Published (Awaiting Request for Examination)

2.	Dr. A. K. Singh	A system and method of skirted ring footing under combined lateral and concentric vertical loading at central radius	202431014655 Date: 15/03/2024	Published (Awaiting Request for Examination)
3.	Dr. B. K. Prasad	Hollow concrete brick to improve the heat resistance of building walls	419536-001 Date:10/06/2024	178034
4.	Dr. Abdhesh Kumar Sinha, Dr. silpi, Mandeep B.V., Dr. G. S. Lakshmi Devi, Ahmad Alyaseen, Dr.CVSR Prasad	A device for measuring level in construction	409509-001 Date:20/12/2024	Granted
5.	Dr. S. Madhuri	Resting and floating house resistant to floods and earthquake	1994/CHE/2015 A	Granted
6.	Dr. Ambika Kuity	A green synthesis process for synthesizing zero valent nano iron particles using industrial tea waste	202231044075 Date: 29/04/2025	Granted (565702)
7.	Dr. Sanjay Kumar	Device for preparing precast alkali-activated concreteBlocks with glass powder additive	440688-001 Date: 16/12/2024	Granted
		DEPARTMENT OF CHEMISTRY		
1.	Dr. Ananta Kumar Atta	Synthesis of Bis-pyrene-based Fluorometric Sensory Molecule and Method of Detection of Picric Acid using Thereof	202431067756 Date: 13/09/2024	Published
		DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING		
1.	Dr. Jitesh Pradhan, Dr. Koushlendra Kumar Singh, Dr. B Ramachandra Reddy, Dr. Danish Ali Khan	IoTbased smart ECG system and method of DNA encoding	202431028980 Date: 19/04/2024	Published (Application Awaiting Examination)
2.	Dr. Binod Kumar Singh, Dr. Vinay Kumar	A System for Patient Authentication in Emergency Healthcare Scenarios Using a Master Iris Template	202331047887 Date: 25/06/2025	Granted Patent no-567906
3.	Dr. Amit Majumder, Dr. Subrata Dutta, Dr. Gopa Bhaumik, Dr. Sanjay Kumar, Dr. Binod Kumar Singh	IoT-Enabled Real-Time Detection and Recognition of Moving Biological Entities in Smart Vehicle Interiors	202531024361 Date: 19/03/2025	Application in Examination
4.	Dr. Alekha Kumar Mishra, Dr. Binod Kumar Singh, Prof. (Dr.) Dilip Kumar Yadav, Prof. (Dr.) Danish Ali Khan	System and Method for Mantra Chanting Assistant Device with Integrated Edge-AI	202531040443 Date: 26/04/2025	FER Received
5.	Dr. Binod Kumar Singh, Prof. (Dr.) Dilip Kumar Yadav	System and Method for Smart Healthcare Communication Kiosk for Rural Deployment	202531040452 Date: 26/04/2025	FER Received
6.	Dr. Chandrashekhar Azad, Dr. Binod Kumar Singh, Prof. (Dr.) Dilip Kumar Yadav, Prof. (Dr.) Danish Ali Khan	System and Method for Cloud Based Tamperproof Storage of Fundus Image Using Handheld Device for Rural Area Applications	202531040485 Date: 26/04/2025	Application in Examination
7.	Dr. Binod Kumar Singh, Dr. Chandrashekhar Azad, Prof. (Dr.) Dilip Kumar Yadav, Prof. (Dr.) Virendra Kumar	System and Decentralized Method for Drone-Assisted Concrete Surface Crack Surveillance of Critical Infrastructure	202531042970 Date: 03/05/2025	Application in hearing
8.	Prof. (Dr.) Dilip Kumar Yadav, Dr. Binod Kumar Singh, Dr. Subrata Dutta, Dr. Surajit Kundu	A System for Multi-Depth Water Quality Measurement using IoT Sensors and a Method Thereof	202531042969 Date: 03/05/2025	FER Received

9.	Dr. Binod Kumar Singh	Method And System For Securing Cyber-Physical Systems Using Group-Based Fingerprint Biometric	202531056714 Date: 12/06/2025	FER Reply Filed
10.	Dr. Binod Kumar Singh	Face recognition equipped Infrared Thermometer	445905-001 Date: 29/01/2025	Granted (Registered)
11.	Dr. Binod Kumar Singh	Fingerprint and face biometric scanner equipped Wi-fi modem	445808-001 Date: 28/01/2025	Granted (Registered)
12.	Dr. Binod Kumar Singh, Dr. Chandrashekhar Azad, Dr. Subrata Dutta	A web camera with inbuilt fingerprint scanner	442206-001 Date: 27/12/2024	Granted (Registered)
13.	Dr. Binod Kumar Singh, Dr. Ajay Kumar, Dr. Alekha Kumar Mishra, Dr. Mayukh Sarkar	A multimodal biometric scanner	440639-001 Date: 14/12/2024	Granted (Registered)
14.	Dr. Binod Kumar Singh, Dr. Ajay Kumar, Dr. Subrata Dutta, Dr. Chandrashekhar Azad, Dr. Alekha Kumar Mishra	Dual Biometric Smart Lock	440612-001 Date: 14/12/2024	Granted (Registered)
15.	Dr. Binod Kumar Singh, Dr. Ajay Kumar, Dr. Subrata Dutta, Dr. Mayukh Sarkar, Dr. Chandrashekhar Azad	A Height-Adjustable Sliding Biometric Authentication System	440613-001 Date: 14/12/2024	Granted (Registered)
16.	Dr. Binod Kumar Singh, Dr. Subrata Dutta, Dr. Vinay Kumar, Dr. Sharda Bharti	Multi-biometric Computer Keyboard	444962-001 Date: 21/01/2025	Granted (Registered)
17.	Dr. Binod Kumar Singh, Prof. Dr. Dilip Kumar Yadav, Dr. Vinay Kumar	A wall mounted telehealth monitoring device	457462-001 Date: 03/05/2025	Granted (Registered)
18.	Dr. Dilip Kumar Yadav, Dr. Binod Kumar Singh, Dr. Subrata Dutta	Floating Device for Water Quality Measurement	456764-001 Date: 26/04/2025	Granted (Registered)
19.	Dr. Dilip Kumar Shaw, Dr. Danish Ali Khan, Dr. Dilip Kumar Yadav, Dr.Chandrashekhar Azad	Handheld Transceiver with Inbuilt Fingerprint Scanner	456494-001 Date: 24/04/2025	Granted
20.	Dr Dilip Kumar	Portable diagnostic imaging device for early disease detection	413545-001, Date: 07/06/2024	Granted
21.	Dr Dilip Kumar	An agricultural robotic system and method thereof	202431040115A Date: 12/07/2024	Published
22.	Dr. Dinesh Kumar	Blockchain Based Medical Data Storage Cloud Device	450766-001 Date: 08/03/2025	Accepted
23.	Dr. Dinesh Kumar	Smart Home Electric Power Management System	433397-001 Date: 10/10/2024	Awarded 191076
24.	Dr. Dinesh Kumar	Kinetic Energy Harvesting Device Through Human Motion	443595-001 Date: 09/1/2025	Awarded 197966
25.	Dr. Subrata Dutta	Robotic Arm Attached Teaching Board Type: UK Design	Grant No.: 6412031	Granted No. : 6412031
26.	Dr. Subrata Dutta	Autonomous Cybersecurity System Using Machine Learning for Proactive Threat Detection and Defense	202531038309 Date: 02/05/2025	Published
27.	Dr. Subrata Dutta	A System And Method For Personalized Multi-User Virtual And Augmented Reality Collaboration Using AI	202531055647 A Date: 20/06/2025	Published
28.	Dr. Amit Majumder, Dr. Subrata Dutta, Dr. Gopa Bhaumik	Safe Drive: Cutting-Edge Microcontroller System for Anti-Sleep Driving Alerts	202431062556, Date: 19/08/2024	Granted
29.	Dr. B. Ramachandra Reddy	A System and Method of Web Scraping and Hive Analytics: Transforming Car Data into Actionable Insights	202541009167 Date: 04/02/2025	Published

30.	Dr. Arijit Das	Rotary Evaporator for Herbal Drug Extraction	200608 Date: 04/02/2025	Granted Patent No.-446717-001
31.	Dr. Deepak Rai	An AI-Powered system for automatic, genre-specific andcontextual video summarization	2025051615530057DE Date: 16/05/2025	German Utility model no 20 2025 102 735
32.	Dr. Deepak Rai, Prof. (Dr.) Danish Ali Khan	A system for detecting alzheimer's disease	202531060274 Date: 04/07/2025	Published
33.	Dr. Koushlendra Kumar Singh, Dr. Jitesh Pradhan, and Prof. Danish Ali Khan	A system for EEG (electroencephalogram) signal acquisition and method for its analysis	202531038942 Date: 02/05/2025	Published
34.	Dr. Arup Kumar Pal, Dr. Jitesh Pradhan, and Dr. Koushlendra Kumar Singh	A genetic coding video frame features for content-based video surveillance system	202431055122 Date: 26/07/2025	Published
	DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING			
1.	Dr. Ajay Kumar	Optical 7-Segment Decoder using Electro-optic effect-based directional Coupler	202331056079 A Date: 06/10/2023	Published (Under Examination for Grant)
2.	Dr. Ajay Kumar	Optical 7-Segment Decoder	424204-001 Date: 22/07/2024	Granted
3.	Dr. Ajay Kumar	Data Modem For Cobots Operating At Terahertz Frequency Using Optical Fibers	424222-001 Date: 22/07/2024	Published
4.	Dr. Ajay Kumar	A multimodal biometric scanner	440639-001	Granted
5.	Dr. Ajay Kumar	A Height-Adjustable Sliding Biometric Authentication System	440613-001	Granted
6.	Dr. Ajay Kumar	Dual Biometric Smart Lock	440612-001	Granted
7.	Dr. Ajay Kumar	Hand Gesture Controlled Wheelchair	441961-001	Granted
8.	Dr. Ajay Kumar	A system and method for monitoring one or more patients for communication in large-scale environments	202531001216 Date: 17/01/2025	Published
9.	Dr. Basanta Bhowmik	Au/TiO_2 Nanoparticles/Si-Al capacitive sensor for selective detection of VOCs (volatile organics compound) and method for preparation thereof	202431087937	Published
10.	Dr. Basanta Bhowmik	A process of fabricating room temperature field induced titania thin film transistor 2-propanol sensor	202431078954	Published
11.	Dr. Chandradeep Singh	A new analysis on behaviour of roots for Cardano's solution to a Cubic polynomial with real coefficients	31431/2024-CO/L Date: 8/10/2024	L-159090/2025
12.	Dr. Munendra Singh	A System and Method for Real-time Dehazing	202531054523 Date: 13/06/2025	Published
13.	Dr. Dilip Kumar	A system and a method for real time image dehazing	202531054523 Date: 05/06/2025	Published
14.	Dr. Amit Kumar	A Microwave TubeFor Generating Gigawatt Microwave Peak Power With High Repetative RF Pulse	202521022142 Date: 12/03/2025	Published
15.	Dr. Nagendra Kumar	Palmprint Biometric Presentation Attack Detection System Using White Light Microscopy and Color Texture Analysis	202411099777 Date: 03/01/2025.	Published
16.	Dr. Nagendra Kumar	A System and Method For Monitoring One or More Patients for Communication in Large-scale Environments	202531001216 A Date: 17/01/2025	Published
17.	Dr. Surajit Kundu	A System for Multi Depth Water Quality Measurement using IoT Sensors and a Method Thereof	202531042969 Date: 09/05/2025	Published

18.	Dr. Arjun Kumar	A microwave tube for generating gigawatt microwave peak power with high repetitive RF pulse	202521022142 Date: 12/03/2025	Published
19.	Basudeba Behera	A method and a system for a smart real-time medication dispensing and monitoring system	202531056453 Date: 12/06/2025	Published
20.	Basudeba Behera	A smart health monitoring device	459753-001 Date: 22/05/2025,	Published
21.	Dr. Rajashree Nayak	A System and a method for real-time image dehazing	202531054523 Date: 13/06/2025	Published
22.	R. Sinha, R. Kumar, S. K. Mahto, P. Kumar, P. Pal, A. K. Singh	A Planar Via less Implantable Antenna For Wireless Communication	202431030949 Date: 12/07/2024	Published
23.	R. Sinha, R. Kumar, A. Choubey, S. K. Mahto, P. Kumar, P. Pal, A. K. Singh	A Tri-Band Graphene-Based Terahertz MIMO Antenna for Wearable Devices for Health Monitoring and A Method for Fabricating the same	202431067375 A Date: 01/11/2024	Published
24.	R. Sinha, A. Choubey, P. Ranjan, S. K. Mahto, C. Kumar Barde	Zeroth Order Resonator (ZOR) Antenna using Slotted Metamaterial Structure	202031026590 Date: 17/02/2025	Granted Patent No. 560385
25.	Dr. Swagatadeb Sahoo	Six band metamaterial absorber designed on twisted square and swastika shaped resonator for S,C,X, and Ku band frequency and sensing applications	202531003706 Date: 24/01/2025	Published
26.	Dr. Swagatadeb Sahoo	Square octagon split ring resonator based metametarial absorber	202531003707 Date: 16/01/2025	Published
		DEPARTMENT OF ELECTRICAL ENGINEERING		
1.	Rabindra NathMahanty, DurgeshChoudhary,NiranjanKumar	A system andmethod forcoordinatingcharging/discharging of plug-in electricvehicles at acharging station	202431062281 Date:16/08/2024	Granted Patent No.: 562034
2.	Dr. K. Namrata	System and Method for Prediction of Solar Radiation at a particular Location of a Predefined Area.	202531043018 Date: 20/06/2025	Published
3.	Dr. Sanjay Kumar, Dr. Dinesh Kumar, Dr. Mirtunjay Kumar, Dr. Manoj Kumar Kar	Kinetic Energy Harvesting Device Through Human Motion	443595-001 Date: 09/01/2025	Published
4.	Dr. Sanjay Kumar, Dr. Mirtunjay Kumar, Dr. Manoj Kumar Kar, Sritosh Kumar Sahoo	Adaptive Power Distribution Controller	436305-001 Date: 01/11/2024	Published
5.	Dr. Sanjay Kumar, Dr. Mirtunjay Kumar, Dr. Manoj Kumar Kar, Sritosh Kumar Sahoo	Standalone Renewable Energy Power Pole	6407492 Date: 04/12/2024	Published
6.	Dr. Ashok K. Mandal, Dr. O.H. Gupta, Dr. Kanika Prasad, Mr. Sumit Kumar Singh, Prof. M.K. Sinha	An automatic flushing system for a men's urinal	202433080352 Date: 11/04/2025	Published (Awaiting Examination)
7.	Dr. Mrinal Kanti Sarkar	Advanced Robust Controller for Onboard Battery Charging in Electric Vehicles	202431012596 Date: 24/10/2024	Granted Patent No.: 553085
8.	Dr. Mrinal Kanti Sarkar	Device for Soil Testing	408037-001 Date: 22/10/2024	Granted
9.	Dr. Mrinal Kanti Sarkar	Process of Preparing Ganoderma Lucidum Based Health Promoting Tea Composition	202531004374 Date: 31/01/2025	Published
10.	Dr. Ananyo Bhattacharya	A wireless power transfer system with Improved efficiency and reduced voltage stress	202431097136 A Date: 20/12/2024	Published

11.	Dr. Ravi Bhushan, Dr. Jitendra Kumar, and Dr. Supriyo Das	Portable Sand-Oil Space Heater	202511015668 Date: 14/03/2025	Published
12.	Dr. Ravi Bhushan, Dr. Supriyo Das and Dr. Jitendra Kumar	Adaptive Intelligent Controller For Efficient Thermoelectric Power Harvesting With Remote Monitoring	202411069170 Date: 04/10/2024	Published
13.	Dr. Jitendra Kumar, Dr. Ravi Bhushan and Dr. Supriyo Das	Energy Harvesting And Management System For Multi Axle Vehicle With Real-Time Monitoring	202411069170 Date: 15/11/2024	Published
14.	Dr. Alok Priyadarshi	Smart City Surveillance and Monitoring System	426578-001 Date: 12/08/2024	Published
15.	Dr. S K Samal	CompactSizedwall-mountbackupPower-Processorfor Household Appliances	202431060295 Date: 09/08/2024	Published
		DEPARTMENT OF PHYSICS		
1.	Uday Kumar, H. L. Yadav	A solar device for photoelectrochemical cell for Green Hydrogen Production.	202331086941 Date: 19/03/2025	Granted: 562877
2.	Dr. Amit Prakash, Dr. Hira Lal Yadav, Dr. Uday Kumar, Ajay Kumar Singh	Photoelectrochemical(PEC) Cell System ForHydrogen Production	202331043849, Date:18/08/2023	FER issued (Under Examination for Grant)
		DEPARTMENT OF PRODUCTION AND INDUSTRIAL ENGINEERING		
1.	Dr. Kanika Prasad	An emotion driven writing apparatus and a method using thereof	202431020871 Date: 14/05/2025	Awarded 566209
2.	Dr. Kanika Prasad	A spill proof vessel for cooking	202431070521 A Date: 29/11/2024	Published
3.	Dr. Kanika Prasad	An automatic flushing system for a mens' urinal	202433080352 A; Date: 11/04/2025	Published
		DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING		
1.	Dr Ram Krishna	Compact Hydro turbine	426041-001 Date: 06/08/2024	Granted
2.	Dr Ram Krishna	Optimizing The Thermal Treatment Process Cycle To Enhance The Machinability Of Ni-Cr-Mo Low-Alloy Steel	202431070483 Date: 04/04/2025	Published, waiting for examination
3.	Dr Ram Krishna	A bio-based antifreeze composition for portable water systemsand method for its preparation	202431037668 Date: 31/05/2024	Published waiting for examination
4.	Dr Ram Krishna	Design an Automated Guided Vehicle for Real Time RailwayTrack Inspection and Fault Finding	202431037669 Date: 31/05/2024	Published waiting for examination
		DEPARTMENT OF MECHANICAL ENGINEERING		
1.	Dr. Deepak Kumar	A Process for Developing Polydimethylsiloxane (PDMS) Based Conducting Flexible Elastomer Blend Reduced Graphene Oxide / Calcium Carbonate Nanocomposite	202431027740 19/04/2024	Published, under examination for a grant
2.	Dr. Deepak Kumar	A Solar Water Heating System for Supplying Hot Water Even During Unavailability of Solar Radiation	202431059813 08/08/2024	Published
3.	Dr. Deepak Kumar	A Food Waste Recycler System	202431056648 25/07/2024	Published
4.	Saroj Kumar Sarangi	A Pendulum-Operated Water Withdrawal Mechanism for Extracting Water From Underground Resources	202531006619 Date: 27/01/2025	Published
5.	Dr. Ashok Kumar Mandal, Dr. Omhari Gupta, Dr. Kanika Prasad, Prof. Mrityunjay Kumar Sinha	An automatic flushing system for a men's urinal	202433080352 Date: 22/10/2024	Published

6.	Dr. Vishesh Ranjan Kar, Prof. M. K. Paswan	Collapsible Portable Corrugated Shelter and Method for Assembling and Disassembling the Same	202431051311A Date: 26/07/2024	Published
7.	Dr. Vishesh Ranjan Kar, Dr. Deepak Kumar and Dr. M A Hassan	A Solar Water Heating System for Supplying Hot Water Even During Unavailability of Solar Radiation	202431059813 A Date:16/08/2024	Published
8.	Dr. Vishesh Ranjan Kar	Adjustable Foot Rest	202431064971 A Date:06/09/2024	Published
9	Dr. Vishesh Ranjan Kar and Prof. Sanjay	Compact CPU Cooling System	202431076408 A Date:18/10/2024	Published
10	D. K. Das and B. Kumar	A Process Of Manufacturing Magnesium Graphene Nanocomposite (Mg-Gr)	202431075870A Date : 15/11/2024	Published
11	Dr Shailesh Kr Jha Dr S. Narayanan DrSujit Kumar, Dr Sushil Kumar Singh	An Improved Airfoil With Dimples For Noise Control	202231068071 Date: 02/02/2024	Published and Under Examination for Grant
12	Mishra, R.C., Barik, A. K., Mallik, R.K., Mukherjee, A., Padhy, R. K & Sahoo, S. S	Device for Suppressing Infrared Emission in Ship Exhaust Gas	202531031655 Date: 31/03/2025	Published and Under Examination for Grant
13	Dr. Abhijit Dey	A Connector Assembly Device And a System To Prolong The Life Of Leds	202531019695 Date: 14/03/2025	Published
14	Dr. Abhijit Dey	A Biomedical Implant Materialand Its Method of Preparation	202531065599 Date:18/07/2025	Published
15	Prof.Sanjay/ Dr. MA-Hassan	A System for Nanoparticle OxygenCarrier Assisted Chemical LoopingCombustion (CLC) and it's WorkingThereof	202431098836A Date: 27/12/2024	Published
16	Dr KDP Singh	Solar Water Heater	409778-001 Date: 10/5/2024	Published, under examination
17	Dr KDP Singh	Solar Grain Dryer	418922-001 Date: 25/7/24	Published
18	Dr KDP Singh	Solar Water Heater Integrated With Twisted Tape	427286-001 Date: 30/10/2024	Published
19	S.R. Maity	Identity card with QR code	399851-001 Date: 22/05/2025	Granted
		DEPARTMENT OF HUMANITIES, SOCIAL SCIENCES AND MANAGEMENT		
1	Dua, S., Dua, S., Kaur, P., Sudha, S., Kaur, S.	Customer behaviour analysis and predictive modelling using Ensemble methods	202411061951 Date: 15/08/2024	Published
2.	Dr. Sushil Kumar	Investigating the Effect of 360-Degree Feedback on Employee Performance	202531070764 A Date: 01/08/2025	Published
3.	Dr. Sushil Kumar	The Impact of Enhancing Worker Performance within an Organization through Human Resources Training and Development is Significant	202531020980 A Date: 04/04/2025	Published
4.	Dr. Bansode Amit Namdev & Nine others	Method For Analyzing Historical Texts Using Natural Language Processing To Identify Cultural Trends	202541020979A Date: 21/03/2025	Published
5.	Dr. Bansode Amit Namdev & Nine others	Artificial Intelligence-Driven System For Contextual Understanding And Translation Of English Idioms And Phrases	202541024377 Date: 28/03/2025	Published
6.	Dr. Bansode Amit Namdev & Two others	AI-Based Platform for Analyzing Postcolonial Identity and Ethical Dissonance In Fictional Narratives	202541066044A Date: 25/07/25	Published
		DEPARTMENT OF MATHEMATICS		
1	Dr Sunil Kumar	Fractional Population models for host parasitoid systems: insight through numerical approaches	202531020960 Date: 30/05/2025	Published

2	Dr Sharada Nandan, Dr Sunil Kumar, Dr Shankar Rao Munjam	A model based algorithmic system for sustainable Fisheries management using population dynamics and social-economic optimization	202521049952 Date: 13/06/2025	Published

4.4 SEMINAR/CONFERENCES/FDP/WORKSHOPS ORGANIZED

S. N.	Title of the Conference/ seminar/workshop/STTP	Name of the coordinator	Name of the sponsor	Duration
	DEPARTMENT OF CHEMISTRY			
1.	Entrepreneurship Skill Development Programme (ESDP) on Processing, Packaging and Marketing of Pickles at Jamshedpur	Dr. Ananta Kumar Atta	MSME	09th January to 20th February 2025
2.	Entrepreneurship Skill Development Programme (ESDP) on "Cultivation of Oyster Mushroom at Jamshedpur, Jharkhand"	Dr. Ananta Kumar Atta & Dr. Basanta Bhowmik	MSME	28th January to 10th March 2025
3.	Entrepreneurship Skill Development Programme (ESDP) on "Sewing, Tailoring and Embroidery for the people of Jharkhand"	Dr. Ananta Kumar Atta & Dr. Basanta Bhowmik, Dr. S. Sahoo	MSME	31st January to 13th March 2025
	DEPARTMENT OF CIVIL ENGINEERING			
1.	Research Trends and Future Scope in Civil Engineering (RTFSCE-2024)	Co-ordinators: Dr. S. K. Raja, Dr. Suravi Pal, Dr. J. Jayapal, Dr. Debshri Convener: Dr. Prahlad Prasad	JM Environet, Shree Balaji Engicon Ltd.	09th to 13th September, 2024.
2.	Hands-on Workshop on MATLAB Application in Civil Engineering	Co-ordinators: Dr. D. Swargiary, Dr. S. Pal, Dr. S. K. Murmu, Dr. S. Kumari Conveners: Dr. Prahlad Prasad Dr. C.M. Rao	MAPCON infrastructure private limited	16th to 20th January, 2025
3.	National Conferece on Structural and Geotechnical Engineering - 2024	Dr. Virendra Kumar, Dr. Awdesh Kumar Chourdhary, Dr. K. K. Sharma, Dr. S. Madhuri	Self Finance	27th to 28th September 2024
4.	5-days workshop on Urban Water Modelling using MIKE+ Software (in Hybrid Mode)	Dr. Sunil Kumar Murmu , Dr. Sangeeta Kumari and Mr. Sajid Alam(DHI India)	DHI India	1 August - 4 September 2024
5.	5-days National Workshop on Field Oriented Challenges in Civil Engineering (FOCCE-2024)	Co-ordinators: Dr. J.Jayapal; Dr. Sriram Karthick Raja P; Dr. Somenath Mondal; Dr. Subhadeep Metya Convener: Dr. Prahlad Prasad	Shreyansh Trading and Construction Pvt. Ltd – Jamshedpur and Mapcon Infrastructure Pvt. Ltd-Jamshedpur.	5thto 9thAug. 2024
6.	5-day Advance Management Development Programme (A-MDP) on Green Credit System and Product Eco-mark Certification	Dr. Ch. Madhusudana Rao, Dr. Dinesh Kumar (PIE), Dr. Naveen Kumar Veldurthi	MSME, Sponsored by Ministry of Micro, Small & Medium Enterprises, Government of India.	2nd–6th March 2025
7.	One-day Workshop on OBE - Paradigm Shift and NEP 2020	Dr. Ch. Madhusudana Rao	Academic Division, NIT Jamshedpur	15th April, 2025
	DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING			
1.	6 Days Online Workshop on Effective Report and Presentation Formatting using LaTeX	Dr. Alekha Kumar Mishra Dr. Mayukh Sarkar	NA	17th - 22nd March 2025
2.	One Week Online Short Term Course On "Blockchain and its Applications"	Dr. Dinesh Kumar; Dr. Alekha Kumar Mishra (Convener)	Self	2nd June – 6th June 2025

3.	Machine Learning and its Applications in IoT, Computer Vision and Cloud Computing-2025 (MICC-2025)	Conveners: Dr. C. Azad, Dr. Dinesh Kumar Coordinators: Dr. Jitesh Pradhan, Dr. B R. Reddy	Self-Financed	May 26-30, 2025
4.	Natural Language Processing with Deep LearningNLPDL 2025	Dr. Arijit Das, Dr. Amit Majumder, Dr. Deepak Rai	EICT Academy, MeITy, Govt. Of India	24th June to 1st July
5.	Basic Computer Skills and Digital Literacy for Youth	Dr Dilip Kumar, Dr. Suchismita Mahato	Self	30th June to 4th July, 2025
6.	FDP on Machine Learning for Multimedia Processing and Forensics	Dr. Deepak Rai,Dr. Jitesh Pradhan,Dr. B.R.C. Reddy	E&ICT Academy Phase-II, NIT Patna	28/02/2025 to 04/03/2025
	DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING			
1.	AI-based Image Processing for Biomedical Applications (AIIPBM-2025)	Dr. Mayank Srivastava Dr. Munendra Singh (conveners) Dr. P Kumar, Dr. J Kumar, Dr. M. Rout(Coordinators)	E & ICT Academy, Phase-II, NIT Patna	17th-28th Feb 2025
2.	Next-Generation Wireless Sensor Networks (NGWSN-2025)	Dr. Mayank Srivastava Dr. S. Dutta(conveners) Dr. P Kumar, Dr. J Kumar, Dr. M. Rout(Coordinators)	E & ICT Academy, Phase-II, NIT Patna	17th-28th Feb 2025
3.	VLSI Chip Design & Verification	Dr. Basanta Bhowmik, Dr. Swagatadeb Sahoo, Dr. Kaushik Das (Convenor)	NA	01-05th April 2025
4.	Workshop on AI and IoT enabled sensor Technology	Dr. Swagatadeb Sahoo &Dr. Basanta Bhowmik	Self-Sponsored	21/04/25 To 25/04/25
5.	Circuit Design & Simulation Hackathon using Open Source Tools	Dr. Kunal Singh	NIT Jamshedpur	24th October to 8th November 2024
	DEPARTMENT OF ELECTRICAL ENGINEERING			
1.	Accelerating Action Towards Achievements &Equality of Women	Dr. Madhu Singh	InternalComplaints Committee in association with NITJAA	8th – 12th March, 2025
2.	Electric Vehicle & Charging Station Technology for Sustainable Development	Dr. Madhu Singh; Dr. Mrinal Kanti Sarkar	AICTE Training and Learning (ATAL) Academy	13th – 18th January, 2025
3.	Creating Awareness on Criminal Law Reforms Implementing	Dr. Madhu Singh	NIT Jamshedpur	July 1, 2024
4.	IPR and Patent Awareness: Empowering Innovators	Dr. Kundan Kumar, Dr. Ravi Bhushan, Dr. Sanjay Kumar, and Dr. S. K Tiwari	self	July14-18,2025
5.	Artificial intelligence Application to Micro-grids and EV	Dr. Sanjay Kumar Dr. R. Naik, Prof. U.K.Sinha	self	Jan25-29, 2025
6.	2nd one-week Workshop on "Research Oriented Technical Writing (ROTW-2024)"	Dr. Jitendra Kumar; Dr. O. H. Gupta; Dr. K. Prasad; Dr. A. K. Prajapati; Dr. Ravi Bhushan; Dr. Supriyo Das	Self-sponsored	18th – 22nd Nov 2024
7.	Pravardhan 2024	Dr. Ravi Bhushan; Dr. Alok Priyadarshi; Dr. Mrinal Kanti Sarkar; Dr. Simanta Kumar Samal	Self-sponsored	22nd Nov. to 24th Nov. 2024
8.	Intra-Department Carrom & Chess Competition	Dr. Kundan Kumar, and Dr. Ravi Bhushan	Self	March 25-26, 2025
9.	Industry Academia Conclave (IAC)-2024	Dr. Ravi Bhushan Convener of Photography, Videography & Webcast Committee, IAC-2024	Institute Fund	15th Nov. to 17th Nov. 2024
10.	Recent Advancement in e-Mobility for Developing Power Utility	Dr. S K Samal and Dr. M K Sarkar	AICTE-ATAL	06/01/2025 to 11/01/2025

11.	Industrial Power Electronics for Sustainable Microgrids and E-Mobility	Dr. K. RaghavendraNaik; Dr Altaf Badar, NIT Warangal	Electronics & ICT Academy, NIT Warangal	15th April – 26th April 2025
12.	Distributed Energy Resources: Transforming Grids with Renewable Technologies (workshop)	Conveners: Dr. K. Namrata;Dr. S. K. Gupta;Dr. Jitendra Kumar Coordinators: Dr. Veerpratap Meena;Dr. Surya Prakash	Self-Sponsored	January 15–19, 2025
13.	Next-Generation Power Grids: Smarter Solutions for Grid Transformation, Security, and Renewable Integration (STC)	Conveners: Dr. Alok Priyadarshi; Dr. Ananyo Bhattacharya Coordinators: Dr. Veerpratap Meena; Dr. Surya Prakash	Self-Sponsored	April 21–25, 2025
14.	Sustainable Energy Innovations: Advancing Renewable Systems for Net-Zero Future (STTP)	Coordinators: Dr. Veerpratap Meena; Dr. Surya Prakash; Dr. Kumari Namrata; Dr. Jitendra Kumar	Self-Sponsored	May 23–27, 2025
15.	Blockchain and its Applications (STC)	Dr. Veerpratap Meena, Dr. Dinesh Kumar	Self-Sponsored	June 2–6, 2025
16.	Basic Computer Skills and Digital Literacy for Youth	Dr. S. K. Tiwary and Dr. Alok Priyadarshi	Self/Participants	30 June – 4 July, 2025
	DEPARTMENT OF PRODUCTION AND INDUSTRIAL ENGINEERING			
1.	AESDP on Rooftop solar installation to meet diverse and varying electricity demand in urban and rural environments	Dr. Kanika Prasad, Dr. Dinesh Kumar, Dr. Om Hari Gupta, Dr. Rama Krishna	Ministry of MSME	3-7 Dec 2024
2.	International Conference on Modern Manufacturing and Management Intelligence (ICMMMI 2024)	Dr. Dinesh Kumar, Dr. Kuntal Maji,Dr. Kanika Prasad, Dr. Tushar Banerjee,Dr. Shubham Tripathi, Dr. Gunda Yoganjaneyulu	Self Sponsored	27 Feb - 1 Mar, 2025
3.	Faculty Development Program (FDP), Artificial Intelligence for Digital Manufacturing (AIDM 2025)	Dr Kuntal Maji, Dr Kamal Pal	AICTE Training And Learning (ATAL) Academy	20-25 January, 2025
	DEPARTMENT OF MATHEMATICS			
1.	Workshop on MATLAB and PYTHON Programming (MPP-2025)	Dr. Sourav Das, Dr. Sumit Kumar Debntah, Dr. Subha Sarkar	Self	May 19-23, 2025
2.	3rd International Conference on Security & Privacy (ICSP 2024)	Dr. Sumit Kumar Debntah, Dr. Sourav Das, Dr. Subha Srkar	ARNF, DRDO, IITB Trust Lab	November 20-21, 2024
3.	Short term course on "An Introduction to Number Theory and Cryptography"	Dr. Subha Sarkar Dr. Sumit Kumar Debntah, Dr. Sourav Das	Self	August 05-09, 2024
	DEPARTMENT OF MECHANICAL ENGINEERING			
1.	Advanced heat transfer technologies for enhancing energy efficiency and reducing carbon emissions globally	Dr. Rinku Kumar Gouda and Dr. K. S. K. Sudhamsu	JCSTI, Ranchi gov of Jharkhand	13-17 January 2025
2.	3rd International and 15th National Conference on Industrial Problems on Machines and Mechanism (IPRoMM-2024)	Dr. Deepak Kumar, Dr. Vineet Sahoo, Dr. Ashok Kumar Mandal	RSB Transmission Private Limited, Tata Steel, VIAS 3D Private Limited, Ark Info. Pvt. Ltd.	19th -21st December, 2024
3.	Workshop on Teaching Pedagogy	Dr. Ashok Kumar Mandal	Capacity Building in Design and Entrepreneurship (MoE, GoI)	13th February 2025

4.	Industry Academia Conclave 2024	Dr. Ashok Kumar Mandal, Dr. Kanika Prasad, Dr. Om Hari Gupta	Tata Steel, RSB, BCCL	15th – 17th November 2024
5.	Sustainable Energy Innovations: Advancing Renewable Systems for Net-Zero Future	Prof. Prabha Chand; Dr. Dulari Hansdah; Dr. Alok Kumar Ray; Dr. Suryaprakash; Dr. Veerpratap Meena; Dr. Abhishek Sharma	Self-sponsor	23rd- 27th May, 2025
6.	Taming Turbulence: Advancement in Flow and Acoustic Control	Dr. Shailesh Kr Jha, Dr. Rinku Kr Gouda, Dr. Arvind Patel, Dr. S. K. S. Sudhansu	JCSTI	20-24th January 2025
7.	One Week Short-Term Training Program (STTP) in Hybrid Mode onIndustry 4.0: A Journey towards Modern Manufacturing	Dr. Pranab Kumar Kundu, Dr. Saikat Ranjan Maity & Dr. Abhijit Dey	Self-sponsored	17th – 21st March, 2025
8.	Basic Robotics to Underwater Exploration using AUVs and ROVs	Dr. Vijay Kumar Dalla, MED Dr. Ashok Kumar Barik,MED Dr. Prashant Kumar, ECE	TiHAN IIT Hyderabad	30 Aug -03 Sep, 2024
9.	Emerging Trends In Robotics	Coordinators- Dr.Vishesh Ranjan Kar, Dr.Vineet Sahoo	Institute sponsored	20th August 2024
10.	Advanced composite materials for next- gen technologies	Prof. S. K. Sarangi Dr. Vishesh Ranjan Kar	Self-sponsored and Institute sponsored	20-24th January 2025
	DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING			
1.	Recent Advances in Materials Processing and Characterization (RAMPC)	Dr Ram Krishna	Tata Steel & IIM Jamshedpur Chapter	21st-23rd March 2025
2.	Advance-ESDP on "Rooftop Solar Installation to meet diverse and varying electricity demand in urban and rural environments"	Dr Ram Krishna	MSME	3rd to 7th December 2024
3.	Workshop on 'Assessment of Surface Roughness & Texture- Theory and Practice'	Dr Ram Krishna	NITJAA & Industry & Alumni Relations Division, NIT Jamshedpur	7th – 11 th April, 2025
4.	Two days national workshop on the ImplementationofNational Educational Policy (NEP) 2020for Technical Education	Dr Ram Krishna	NIT Jamshedpur and Shiksha Sanskriti Utthan Nyas, Delhi	12-13 April, 2025
5.	Accelerating Action Towards Achievements & Equality of Women	Dr. Renu Kumari, Dr Arvind Gali, Dr. Binay Kumar	Institute Fund	8th- 12th March, 2025
6.	Assessment of Surface Roughness & Texture: Theory and Practice	Dr. Renu Kumari, Dr. Ram Krishana	NITJAA	7th to 11th April, 2025
	DEPARTMENT OF HUMANITIES, SOCIAL SCIENCES AND MANAGEMENT			
1.	Organized a Five-day Interdisciplinary workshop on "Accelerating Action Towards Achievements & Equality of Women"	Dr. Shwati Sudha	NIT Jamshedpur	8th- 12th March, 2025

4.5 EDITORIAL BOARD MEMBER OF JOURNALS

S. N.	Name of the Faculty	Name of the Journal	Publisher	Editor/Editorial member
	DEPARTMENT OF CIVIL ENGINEERING			
1.	Prof Virendra Kumar	Frontiers in Built Environment	Frontiers	Associate Editor

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING				
1.	Dr Ram Krishna	Scientific Reports	Nature Springer	Editorial Board Member
2.	Dr Ram Krishna	Proceedings of the iMeche, Part C: Journal of Mechanical Engineering	Sage Publishers	Associate Editor
3.	Dr Ram Krishna	Recent Advances in Materials Processing and Characterization	Nature Springer	Guest Editor
4.	Dr. Prakash Sarkar	International Journal of Materials Science and Applications	Science Publishing Group (SciencePG)	Editorial member
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING				
1.	Dr. Koushlendra Kumar Singh	SN Computer Science	Springer	Leading Special Issues
2.	Dr. Chandrashekhar Azad	International Journal of Microsystems and IoT	Indian Society for VLSI Education(ISVE)	Editor
3.	Dr. Deepak Rai	IECE Transactions on Wireless Networks	Institute of Central Computation and Knowledge Inc (ICCK)	Associate Editor
4.	Dr. Jitesh Pradhan	Neural Computing and Applications	Springer	Lead Guest Editor
DEPARTMENT OF ELECTRONICS AND COMMUNICATIONENGINEERING				
1.	Dr. Basanta Bhowmik	Scientific reports	Springer Nature	Editorial Member
2.	Dr. Mayank Srivastava	Scientific Reports	Springer	Editorial Board Member
3.	Dr. Nagendra Kumar	Scientific Reports	Springer Nature	Editorial Member
4.	Dr. Swagatadeb Sahoo	Polymer Science & Engineering	En Press	Editorial Member
DEPARTMENT OF ELECTRICAL ENGINEERING				
1.	Dr. O. H. Gupta	Scientific Reports	SpringerNature	EditorialMember
2.	DR. K NAMRATA	Scientific Reports	Springer	EditorialMember
3.	DR. K NAMRATA	InternationalJournal ofRenewable Energy	Hindawi	EditorialMember
4.	Dr. Kundan Kumar	e-Prime-Advances in Electrical Engineering, Electronics and Energy	Elsevier	Associate editor
5.	Dr. Veerpratap Meena	IEEE Access	IEEE	Associate Editor
6.	Dr. Veerpratap Meena	International Journal of Intelligent Engineering Informatics (IJIEI)	Inderscience Publishers	Editor
7.	Dr. Veerpratap Meena	International Journal of Automation and Control (IJAAC)	Inderscience Publishers	Editor
8.	Dr. Veerpratap Meena	International Journal of System Dynamics Applications (IJSDA)	IGI Global	Associate Editor
9.	Dr. Veerpratap Meena	e-Prime: Advances in Electrical Engineering, Electronics, and Energy	Elsevier	Associate Editor
10.	Dr. Veerpratap Meena	Discover Applied Sciences	Springer Nature	Associate Editor
11.	Dr. Veerpratap Meena	PLOS ONE	PLOS	Academic Editor
DEPARTMENT OF MECHANICAL ENGINEERING				
1.	Dr. Vishesh Ranjan Kar	Scientific Reports	Springer Nature	Editorial Member
2.	Dr. Vishesh Ranjan Kar	Journal of the Mechanical Behavior of Materials	De Gruyter	Editorial Member
3.	Dr. Vishesh Ranjan Kar	Archives of Advanced Engineering Science	Bon View	Editorial Member
4.	Dr. Vishesh Ranjan Kar	Green Nanotechnology	Scientific Press	Editorial Member
5.	Dr. Pranab Kumar Kundu	SN Discovery Science	Springer Nature	Editorial member
6.	Prof. Sanjay	Heliyon	Elsevier	Editorial Member
7.	S.R. Maity	Operational Research in Engineering Sciences:Theory and Applications	Regional Association for Security and crisis management	Editorial member

DEPARTMENT OF PHYSICS				
1.	Dr. Tanmoy Paul	Symmetry Journal	MDPI	Editorial Board Member
DEPARTMENT OF MATHEMATICS				
1.	Dr. Raj Nandkeolyar	Discover Fluid Mechanics	Springer	Editorial Member

4.6 Ph.D. AWARDED/SUBMITTED

S. N.	Thesis Title	Name of the Scholar	Supervisor(s)	Awarded/ Submitted
DEPARTMENT OF CHEMISTRY				
1.	Identification and variation of elevated black carbon aerosols and their radiative impacts	Dilip Kumar Mahato	Balram Ambade	Awarded
2.	Impacts of Microplastic Pollution on Aquatic Ecosystem: Characterization, Distribution, and Ecological Consequences	Kalpana Patidar	Balram Ambade	Submitted on March 2025
3.	1-bromo-3,4-dihydronapthalene-2-carbaldehyde: An emerging precursor for the synthesis of versatile imperative skeleton	Madan Sau	Dr. Tapas Das	Awarded
4.	Recognition of charge/neutral species by water-compatible carbohydrate-modified fluorometric receptors	Suprava Ghosh	Dr. N. Pramanik, NIT Arunachal Pradesh and Dr. Ananta K. Atta, NITJSR	Submitted
DEPARTMENT OF CIVIL ENGINEERING				
1.	Flood Forecasting using Machine Learning Models in Mahanadi River Basin.	Sanjay Sharma	Dr. Sangeeta Kumari	Submitted
2.	Development of Pavement Composite usingIndustrial By-products	Bheem Pratap	Dr. Somenath Mondal	Awarded
3.	Interaction of Thermal Energy with Geomaterials	Md. Azhar	Dr. A. K. Singh & Dr. S. Mondal	Awarded
4.	Numerical Analysis and Experimental Investigation of Ring Foundation	D. C. Swarnkar	Dr. A. K. Singh	Awarded
5.	Characterisation and performance evaluation of LD slag aggregate concrete	Prince Singh	Dr. B. K. Prasad& Prof Virendra Kumar	submitted
6.	Utilization of reclaimed asphalt pavement(rap) in rigid pavement construction	M K Diptikanta Rout	Dr. A. K. Sinha & Dr. S Biswas	Awarded
7.	Reliability analysis of shallow foundations over cavity	Kumar Shubham	Dr. S. Metya & Dr. A. K. Sinha	Awarded
8.	Behaviour of horizontal plate anchors in geocell reinforced soil under different orientations of load	Ashutosh Kumar	Prof. A. K. Choudhary & Dr. Awdhesh Kumar Choudhary	Awarded
9.	Assessment of snow and glacier melt contribution in the satluj river basin under changing climate scenarios for prediction of hydropower potential.	Nikki Chanda	Dr. Ch. M.S. Rao & Prof. A.K.Choudhary	Awarded
10.	Geomorphological Assessment Of Large River Basins Using Geospatial Technology	Srija Roy	Dr. Ch. Madhusudana Rao	Awarded
11.	Analysis of Snow Cover Dynamics and the Hydrological Modelling of a Mountainous River Basin	Gogineni Abhilash	Dr. Ch. Madhusudana Rao	Awarded
12.	Assessment of River Water Quality Parameters using Statistical and Machine Learning Models.	Prakhar Modi	Dr. Ch.Madhusudana Rao	Awarded
13.	Studies on Sustainable Concrete Using Recycled Aggregate and Industrial Wastes	Anasuya Sahu	Dr. Sanjay Kumar & Prof. A K LSrivastava	Awarded
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING				
1.	Signature Validation with Dynamic Feature using Machine Learning.	Rashmi Rathi Upadhyay	Dr. Koushlendra Kumar Singh	Awarded

2.	Reliability analysis of safety critical systems	Kumar Gaurav	Dr. Binod Kumar Singh, Dr. Vinay Kumar (Co-supervisor)	Awarded
3.	Severity of disease detection from plant leaf images	Arunangshu Pal	Dr. Binod Kumar Singh, Dr. Vinay Kumar (Co-supervisor)	Awarded
4.	Machine Learning based Predictive Models for Sentiment Analysis	Joy Gorai	Dr. Dilip Kumar Shaw	Submitted
5.	Adaptive Traffic Signalling System using Sensor Nodes	Shishir Singh Chauhan	Dr Dilip Kumar	Awarded (2025)
6.	Classification of Dementia with Multimodal Neuro-imaging using Machine Learning	Nikhil Pateria	Dr Dilip Kumar	Submitted (2025)
7.	Design of Secure and Efficient Public Key Encryption with Keyword Search Scheme for Data Sharing in Cloud Environment	Mandira Banik	Dr. Sanjay Kumar	Submitted
8.	Energy Efficient and QoS aware Cluster based Routing in Wireless Sensor Network: A Hybride Approach towards Optimal Cluster Head Selection	Madhvi Saxena	Dr. Subrata Dutta	Awarded
	DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING			
1.	Design and Analysis of Optimized All-Optical Digital Circuits for Communication system	Sushanta Mahanty	Dr. Ajay Kumar	Awarded
2.	Design and implementation of optical logic devices using directional couplers	Ajay Yadav	Dr. Ajay Kumar	Submitted
3.	Realization of conventional nd non-conventional memristivebehavior using electronically tunable active elements	Kapil Bhardwaj	Dr. Mayank Srivastava	Awarded
4.	Performance Analysis of Energy Harvesting based Wireless Communication Networks	Raghwendra Kishore Singh	Dr. Nagendra Kumar	Awarded
5.	Design and Performance Optimization using ML of MIMO antenna for 5G Communications	Khushboo Pachori	Dr. Nagendra Kumar, Dr. Amit Prakash	Submitted
6.	Performance Analysis of SWIPT-Enabled Two-way Cooperative Relay Networks	Suryanarayan Sahoo	Dr. Nagendra Kumar	Submitted
7.	Design and Characterisation of High-Performance Multi-layered Surface Acoustic Wave Resonator for Signal Filtering	Baruna Kumar Turuk	Basudeba Behera	Awarded
8.	Design and Characterisation of Surface Acoustic Wave Sensor at High temperatures	Aditya Kumar Nagmani	Basudeba Behera	Awarded
9.	Development And Analysis Of Metamaterial Based Structures With Improved Performance For Microwave Applications	Komal Roy	Dr. Rashmi Sinha	Awarded
10.	Highly Isolated Miniaturized Planar MIMO Antenna usingMutual Coupling Suppression for MicrowaveApplications	Praveen Kumar	Dr. Rashmi Sinha	Awarded
11.	Design and Investigation of some ZnO based Thin film Transistor	Binay Binod Kumar	Dr. Kunal Singh	Awarded
	DEPARTMENT OF ELECTRICAL ENGINEERING			
1.	Performance Evaluation of Optimization Techniques on Grid Dispatch of Power Plants	ShuvamSahay	Prof. NiranjanKumar	Awarded
2.	Evolution of Novel Approach forElectric Vehicle BatteryManagement System	PoojaKumari	Prof. NiranjanKumar	Awarded
3.	Data-Driven Approaches for Techno-Economic Analysis on Renewable Energy Based System	Mantosh Kumar	Dr. K. Namrata	Awarded
4.	Performance Investigation And RTDS Implementationof Bidirectional DC-DC & DC-AC Converters for Solar V2G and G2V	Arpita Basu	Dr. Madhu Singh	Awarded

	Power Exchange in Plug-In-Electric Vehicles			
5.	Optimal Design and Energy Planning Of Smart Grid for Tariff Management	Gautam Kumar	Dr. Sanjay Kumar	Awarded
6.	Intelligent Controller for Power Quality Improvement using PV- Wind – BESS Integrated UPQC	Shravan Kumar Yadav	Prof (Dr.) KB Yadav	Awarded
7.	Analysis and Implementation of Synchro-Phasor Technology in Smart Grid using Optimization Technique	Alok Priyadarshi	Prof (Dr.) KB Yadav	Awarded
8.	Power Quality Enhancement in Distribution System Using Artificial Intelligence Techniques	Abhinav Kumar	Dr. Sanjay Kumar and Prof. U.K.Sinha	Awarded
9.	Advanced Relaying for HVDC Lines	Ravi Shankar Tiwari	Dr. Omhari Gupta	Awarded
10.	Islanding Detection of Microgrid in Active Distribution Network	Indradeo Bharti (2019REE12) MNNIT Allahabad, Prayagraj	Dr. Navneet K. Singh (MNNIT ALD) & Dr. Omhari Gupta	Awarded
11.	Power Quality Enhancement and LVRT Control in Distributed Network	Jeetendra Kumar	Dr. O.H. Gupta & Prof. (Retd.) A. K. Singh	Submitted
12.	Advanced Protection of Modern AC/DC Microgrid	Kamal Kant	Dr. O.H. Gupta	Submitted
13.	Application of Resonant Converters in Wireless Power Transfer Sysytems	Anamika Das	Dr. Ananyo Bhattacharya	Awarded
14.	Modelling and Simulation of Hybrid Renewable Energy System	Pallavi Choudhary	Prof. U. K. Sinha	Awarded
	DEPARTMENT OF MATHEMATICS			
1.	Geometric Properties of Some Special Functions Related To The Gamma Function	Samanway Sarkar	Dr. Sourav Das	Submitted
2.	Structural Analysis and Observer Design for Descriptor Systems.	Mamoni Paitandi	Dr. Ratnesh Kumar Mishra & Dr. Mahindra Kumar Gupta	Submitted
3.	Observer design for nonlinear descriptor systems.	Meenakshi Tripathi	Dr. Ratnesh Kumar Mishra & Dr. Mahindra Kumar Gupta	Submitted
4.	Mathematical modelling on fractional order dynamical systems	Dr Praveen Kumar	Dr. Sunil Kumar	Awarded
5.	Numerical study of dynamical model using fractional operator	Dr Anil Kumar	Dr. Sunil Kumar	Awarded
6.	Numerical investigation of fractional order dynamical systems based on wavelet method	Dr Khushbu Agrawal	Dr. Sunil Kumar	Awarded
7.	Numerical fractional order epidemiological model	Tasmia Roshan	Dr. Sunil Kumar	Submitted
8.	A Theoretical Investigation of Magnetohydrodynamic Nanofluid Flows Within Porous Media	Ajay Kumar Kar	Prof. Ramayan Singh, Dr. Raj Nandkeolyar	Submitted
9.	Theoretical Study on Some Non-monotonous Distributions in Turbulent Flows using Different Entropies.	Nizamuddin Ahamed	Dr. Snehasis Kundu	Awarded
10.	Mathematical Analysis Of Magnetohydrodynamic Boundary Layer Nanofluid Flow Utilizing Spectral Quasilinearization Method	Ms. Arpita Mandal	Dr. Rajat Tripathi	Awarded
11.	A Mathematical Study on the Flow of Nanofluids with Hydromagnetic Boundary Layers using Spectral Method	Arindam Sarkar	Dr. Raj Nandkeolyar, Dr. Hiranmoy Mondal	Awarded
12.	Transient Flow of Viscous Fluids under MagnetohydrodynamicConsiderations: A Parametric Analysis	Premful Kumar	Dr. Raj Nandkeolyar	Awarded

DEPARTMENT OF MECHANICAL ENGINEERING				
1.	Design and Development of Smart Nano-composites for Energy Storage	Dr. Swaroop Kumar Mandal	Dr. Deepak Kumar	Awarded
2.	High Strain Rate Modelling of Composite	Dr. Bipin Kumar Chaurasia	Dr. Deepak Kumar, Prof. Manikant Paswan	Awarded
3.	Mechanical Characterization of an Additively Manufactured Structure Comprised of Poly Lactic Acid (PLA) and Ti-6AL-4V Alloy	Mr. Mumtaz Rizwee	Dr. Deepak Kumar	Submitted
4.	Experimental Investigation Modelling and Multi- Objective Optimization Advanced Welding Process for High- Temperature Resistive Aerospace	Suman KumarSaurabh	Prof. Prabha Chand	Awarded
5.	Investigation on Cold Metal Transfer Process for the Welding of Dissimilar Thin Steel Sheets	Bipin B Sharan	Prof. Prabha Chand	Awarded
6.	Investigation of Flow Characteristics of High AshContent Coal Slurry	Akash Pandey	Dr. Dulari Hansdah	Awarded
7.	Modeling and Analysis of Cracked Bimaterial Plates through Isogeometric Approach	Gourav Prasad Sinha	Dr. Bipin Kumar	Awarded
8.	Investigation of Electrical, Mechanical and Physical properties of Plumbene using Molecular Dynamics Simulation Technique	Dhiman Kumar Das	Dr. Bipin Kumar	Submitted
9.	Investigation on Fabrication and Characterization of In-Situ TiC Reinforced Zinc-Aluminium Alloys	Khurshed Ahmad Sheikh	Dr. Abhijit Dey & Dr. Mohsin Khan	Awarded
10.	Design andPerformance Analyses of Single-stage andTwo-stage Thermo-chemicalEnergy Storage Systems-WorkingwithCe,Al,Sn, andMnSubstitutedAB$_5$TypeMetalHydride	Badiganti Chandramouli	Prof. Sanjay/Prof. Manikant Paswan	Awarded
11.	Influence of shear correctionfactor and micromechanicalmodel on static and dynamicanalysis of macro and micro FGMpanels	AnkitKumar	Dr. ShashankPandey	Awarded
DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING				
1.	Synthesis And Characterization of Rigid Polyurethane Foam Composites Loaded With Various Ceramic Fillers	Srihith Polimera	Dr. Aravind Gali (Main Supervisor) Dr. Susanta K Nath	Awarded
2.	An Investigation of Mechanical, Corrosion and Tribological Properties of TiC and Ni Reinforced AA6061 Matrix Composites	Chandan Prasad	Dr. Aravind Gali	Awarded
3.	Studies on optimization of alloying elements in making higher grade grey cast Iron	Himanshu Shekhar Mishra	Dr.Rina Sahu (NIT JSr) Dr D. S. Padan(Tata-Motors)	Awarded
DEPARTMENT OF PHYSICS				
1.	Experimental and machine learning based study of organic dyes and their applications.	Kapil Dev Mahato	Uday Kumar	Awarded
2.	Hadron-hadron scattering by energy-dependent and independent interactions-a supersymmetric approach	Madhura Majumder	U. Laha	Awarded
3.	On- and off-shell effects of some exponential type of potentials in quantum mechanics and applications	Biswanath Swain	U. Laha	Submitted
DEPARTMENT OF PRODUCTION AND INDUSTRIAL ENGINEERING				
1.	Effect of welding environment on the weldability ofdissimilar brass and aluminium friction stir weld joints	Surendra Kumar Lader	Dr. Mayuri Baruah Prof. Raj Ballav	Awarded

2.	Investigations on depositions of superduplex stainless steels in wire arc additive manufacturing	Prakash Kumar	Dr. Kuntal Maji	Awarded
DEPARTMENT OF HUMANITIES, SOCIAL SCIENCES AND MANAGEMENT				
1	Development of Framework towards sustainable livelihood of Tribal Women: A study of select districts in Odisha	Mr. Jogeswar Mahato	Manish Kr Jha	Awarded
2	Participation in Self-Help Groups and Empowerment of Tribal Women: A study of Select Districts in Jharkhand	Mrs. Tanushree Mahato	Manish Kr Jha	Awarded
3	Impact Assessment of Factors on the Growth and Development of Tribal Entrepreneurs in the State of Jharkhand	Kumar Gaurav	Dr. Akanksha Shukla	Awarded
4	Impact Assessment of Financial Pathways for Sustainability of Higher Educational Institutes in India	Nishant Sinha	Dr. Akanksha Shukla	Awarded
5	policy and pedagogy of English language in Select Non- English Medium Schools of Jharkhand State: A Study Towards Inclusive Education	Shabnam Swati Minz	Dr. Akanksha Shukla	Submitted
6	Analysing the Impact of Green Human Resource Management on Employee Performance in Indian Manufacturing Industry	Ajith Kumar Shah	Dr. Akanksha Shukla	Submitted
7	Behavioural manifestations of personality traits & psychological resilience among academicians in HEI	Ankita Singh	Dr. Shwati Sudha	Awarded
8	Customers perception on AI-based technology for digital banking in India	Swaraj S Bharti	Dr. Shwati Sudha (Co-Supervisor)	Awarded

4.7 PUBLICATION

4.7.1 Journals

DEPARTMENT OF CIVIL ENGINEERING

- Zargar, T. I., Choudhary, A. K., & Choudhary, A. K. (2024). Performance evaluation of recycled concrete aggregates with geosynthetics as an alternative subbase course material in pavement construction. *Road Materials and Pavement Design*. *https://doi.org/10.1080/14680629.2024.2329181*
- Thapa, I., Ghani, S., Kumari, S., & Choudhary, A. K. (2024). Enhancing soil performance and foundation stability: Leveraging shredded recycled rubber pieces (SRRP) for improved geotechnical engineering solutions. *Transportation Infrastructure Geotechnology*.
- Chanda, N., Chintalacheruvu, M. R., & Choudhary, A. K. (2024). Exploring climate change impacts on streamflow and hydropower potential: Insights from CMIP6 multi GCM analysis. *Journal of Water & Climate Change*. https://doi.org/10.2166/wcc.2024.150
- Chanda, N., Chintalacheruvu, M. R., & Choudhary, A. K. (2024). Site selection and hydropower potential assessment in Upper Sutlej River Basin: A case study of Indian and Tibetan regions using RS-GIS, SWAT, and T-F models. *International Journal of Hydrology Science and Technology*. https://doi.org/10.1504/ijhst.2024.10063572
- Chanda, N., Rao, C. M., & Choudhary, A. K. (2025). Hydrological modelling of a mountainous watershed: Simulating streamflows under present and projected climate conditions. *Theoretical and Applied Climatology*. https://doi.org/10.1007/s00704-024-05250-9
- Azhar, M., Mondal, S., Tang, A.M., & Singh, A.K. (2024). Effect of temperature on the mechanical properties of fine-grained soils – A review. *Geothermics*, 116. https://doi.org/10.1016/j.geothermics.2023.102863
- Singh, P., Jha, Prasad, B., Kumar V., and Murthy, Y. R. (2024). Compressive and tensile strengths of Linz-Donawitz slag aggregate concrete and their Random Forest prediction. *The Indian Concrete Journal*, 98(10), 31–39.
- Kumar, A., Kumar, V. & Kumar Sanjay (2024). Experimental investigation of the mechanical properties of blended concrete incorporating metakaolin, fly ash, and rice husk ash as partial cement replacements: A strategy for sustainable technology. *Journal of Chemical Health Risks (JCHR)*, 14(6), 170–185.
- Kumar, P., Madhuri, S., & Ahmed, M. (2025). Sequential nonlinear time history analysis of asymmetric reinforced concrete buildings under the 2011 Great Japan earthquake and tsunami. *Buildings*, 15(13), 2170. https://doi.org/10.3390/buildings15132170
- Kumar, P., Madhuri, S., & Olaiya, B. C. (2025). Nonlinear response analysis of plan and vertical asymmetric reinforced concrete buildings under directional seismic loadings. *Scientific Reports*, 15, 27508.
- Prakash, N., Murmu, S. K., & Kumari, S. (2024). Regional intensity-duration-frequency (IDF) curve using hourly rainfall data series and soil conservation service (SCS) method for Jamshedpur, Jharkhand. *Indian Journal of Environmental Protection*.

- Mardi, M., & Murmu, S. K. (2024). An experimental study of Manning's roughness coefficient with an acoustic Doppler current profiler (ADCP) method of the River Ganga at Gandhi-Ghat site, Patna, India. *Journal of The Institution of Engineers (India): Series A*, 105(4), 987–1001.
- Kumar, A., Kumar, V., & Kumar, S. (2024). Experimental investigation of the mechanical properties of blended concrete incorporating metakaolin, fly ash and rice husk ash as partial cement replacement: A strategy for sustainable technology. *Journal of Chemical Health Risks*, 14(6), 170–185.
- Shubham, K., Metya, S., Sinha, A. K. and Gobinath, R. (2024). One-Dimensional-Convolutional Neural Network (1D-CNN) Based Reliability Analysis of Foundation Over Cavity Incorporating the Effect of Simulated Noise. *Advances in Civil Engineering*, DOI: https://doi.org/10.1155/2024/9981433.
- Sharma, S., & Kumari, S. (2025). Peak flow forecasting in Mahanadi River Basin using a novel hybrid VMD-FFA-RNN approach. *Acta Geophysica*, 73(4), 1-18.
- Kuity, A., Pasi, L.S. and Choudhury, A. (2025). An Experimental Investigation of Treated Sawdust as Filler in Asphalt Mix by Adopting Volume Proportioning Scheme. *International Journal of Pavement Research and Technology,* 1-17.DOI: 10.1007/s42947-025-00506-7
- Yaqueen, M., Kuity, A. and Ahmed, M.A. (2025). Sustainable Nano Silica Production from Agricultural Residues: A Review of Green Synthesis Techniques and Performance in Asphalt Applications. *International Journal of Pavement Research and Technology*,1-18. DOI:10.1007/s42947-025-00585-6
- Kabasi, S., Marbaniang, A. L., & Ghosh, S. (2025). Form finding of non-minimal tensile membrane structures based on the general theory of curved interfaces using physics-informed neural networks. *Proceedings of the Institution of Civil Engineers-Engineering and Computational Mechanics*, 178(2), 39-55.
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- Basumatary, S., Swargiary, D., & Hubballi, R. (2024). Prevention of flash floods in the town of Kokrajhar through efficient drainage network design. *The Holistic Approach to Environment,* 14(2): 49–56.
- Kumar, M., Soni, P., & Swargiary, D. (2024). Monitoring Terrestrial Water Storage Using GRACE/GRACE-FO Data over India: A Review. *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, 49(3,)1-15.
- Maji, S., Swargiary, D., Senapati, A., & Sikdar, U. (2024). ML and AI-Based Prediction of Precipitation Trends. *Procedia Computer Science*, 235, 2279-2287.
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- Kumari, N., Prasad, P., & Madhuri, S. (2024). Optimality of reinforced concrete coupled shear walls using machine learning. *Asian Journal of Civil Engineering*, *25*(7), 5153-5178.
- Sharma, M., Singh, S., Prasad, P., Anand, V., & Islam, N. (2025). Correlation analysis of ground motion intensity measures for seismic damage assessment: insights from near and far field records. *Asian Journal of Civil Engineering*, *26*(5), 1973-2004.
- Gogineni, A., Chintalacheruvu, M. R., & Kale, R. V. (2024). Modelling of snow and glacier melt dynamics in a mountainous river basin using integrated SWAT and machine learning approaches. *Earth Science Informatics*, 17, 4315-4337.
- Chanda, N., Rao, C. M., Choudhary, A. K. (2024). Exploring Climate Change Impacts on Streamflow and Hydropower Potential: Insights from CMIP6 Multi GCM Analysis. *Journal of Water and Climate Change* ,15(9), 4476
- Chanda, N., Rao, C. M., Choudhary, A. K. (2024). Hydrological Modelling of a Mountainous Watershed: Simulating Streamflows under Present and Projected Climate Conditions. *Theoretical and Applied* Climatology, 156:23, https://doi.org/10.1007/s00704-024-05250-9
- Roy, S., & Chintalacheruvu, M.R. (2024). Assessing the impact of digital elevation model resolution on hypsometric analysis in large river Basins (India): a non-parametric statistical approach. December 2024, Earth Science Informatics 18(1),
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- Sahu,A., Kumar, S. , Srivastava, A. K. L. and Chithambaram, S. J. (2024) Performance of Recycled Aggregate Concrete Incorporating copper slag at Elevated Temperature *Iranian Journal of Science and Technology*, *Transactions of Civil Engineering* springer, 48(6), 4023-404.
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- Alam, Md F., Kumar, S., Kumar, S., Srivastava, A. K. L. (2024) Enhancinghigh strength self-compacting concrete properties through Nano-silica: analysis and prediction of mechanical strengths, *Journal of Building Pathology and Rehabilitation. https://doi.org/10.1007/s1024-024-00386-7*

DEPARTMENT OF CHEMISTRY

- Singh, S., Mukhopadhyay, A., Wallepure, O., Mandal, M., Velduthi, N. K., & Pati, S. (2024). Synthesis of magnetically tuneable molybdic acid functionalized Fe_3O_4 nanoparticles for efficient dye removal in aqueous media. *Bulletin of Materials Science*, 47, 261.
- Roy, S., Mukhopadhyay, T.K., Sau, M., Dubey, S., Basudev, K., Nayak, S., Sahoo, G., Mahanta, S. and Das, T. (2025) Spectroscopic behaviours of a newly synthesized benzimidazole probe (EBINP) with native and denatured bovine serum albumin supported by docking and molecular dynamics. *New J. Chem.,* 49, 11767-11777.
- Parween, R., Rani, K., Panda, R., Yoo, K., Alorro, R. D., Ambade, B., & Jha, M. K. (2025). Kinetics of metals dissolution from EV batteries for the development of sustainable technology. Minerals Engineering, 232, 109512.
- Parween, R., Rani, K., Panda, R., Sharma, A., Ambade, B., & Jha, M. K. (2025). Hydrometallurgical separation and purification to recover iron (Fe), copper (Cu), nickel (Ni), lithium (Li), cobalt (Co), and manganese (Mn) metals from the leach liquor of discarded LIBs. Separation and Purification Technology, 364, 132325.
- Kumar, R. P., Jahan, A., Singh, R., Kumar, P., Bag, R., Bhatla, R., Ambade B & Dumka, U. C. (2025). Spatio-temporal analysis of air pollution and meteorological influences in western Uttar Pradesh using Geospatial techniques: insights for policy and management. International Journal of Remote Sensing, 1-28. DOI:10.1080/01431161.2025.2529601
- Singh, S., Saraniya, S., Sachdev, S., Sahoo, K. S., Ambade, B., & Bauddh, K. (2025). Microplastic pollution in agricultural environments: Origins, impacts, and mitigation strategies. Physics and Chemistry of the Earth, Parts A/B/C, 138, 103866.
- Dinkar, O. S., Rani, K., Parween, R., Panda, R., Sharma, A., Aditi, A., Ambade B, & Jha, M. K. (2025). Recovery of Non-Ferrous (Cu & Ni) and Precious (Au) Metals from Waste Random Access Memory (RAM). Mineral Processing & Extractive Metallurgy Review, 1-13. https://doi.org/10.1080/08827508.2025.2496515
- Gautam, A., Singh, V., Gautam, A. S., Kumar, P. R., Soni, P. S., Ambade, B., ... & Singh, S. P. (2025). Variation of Surface Pollutants and Their Influence on Lightning Development in the Urban Cities of Northern India. Environmental Quality Management, 34(3), e70035.
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- Patidar, K., Alshehri, M., Singha, W., Alrasheedi, M., Younis, A. M., Dumka, U. C., & Ambade, B. (2025). Assessing the microplastic pandemic: Prevalence, detection, and human health impacts in Asian aquatic environments. Physics and Chemistry of the Earth, Parts A/B/C, 137, 103800.
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DEPARTMENT OF MATHEMATICS

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4.8 OUTREACH ACTIVITIES (EXPERT LECTURES)

S.N.	Faculty name	Topic of lecture	Date and place of delivering the lecture
		DEPARTMENT OF CIVIL ENGINEERING	
1.	Dr. Somenath Mondal	Contemporary Issues in Geotechnical Engineering	18th December 2024, Sanaka Educational Trust's Group of Institutions.Malandighi, Durgapur-713212 (online)
2.	Dr J.Jayapal	Sustainability and some applications in Civil engineering	19th Oct 2024 - Engineers India Ltd. Jamshedpur
3.	Dr J.Jayapal	Sustainability and its applications in Geotechnical engineering	9Th Nov 2024 - Online Webinar for Solamalai Engg College - Madurai - Tamil Nadu
4.	Dr J.Jayapal	Opportunities for GATE Civil Engg Aspirants: Known and Unknown	22nd Nov 2024 - Online Webinar for Sri Krishna Group of Institutions - Coimbatore - Tamil Nadu
5.	Dr J.Jayapal	Landslides on a Geological Perspective Recent Lessons from 2024 Wayanad Landlside Disaster	24th Feb 2025 - Online ATAL - FDP Lecture for KSR Engineering College - Tiruchengodu - Tamil Nadu
6.	Dr J.Jayapal	Building a Sustainable Future Through Smarter functional Materials	21st May 2025 - Online Keynote Lecture - JP College of Engineering - Tenkasi - Tamil Nadu
7.	Dr. Sounak Kabasi	Machine Learning for Critical Infrastructure Resilience: Frameworks and Future Directions	27th May 2025, IIT Bombay
9.	Prof. Virendra Kumar	Sustainable concrete for construction industry	02nd June.2025, RTC Institute of Technology, Jharkhand University of Technonology, Ranchi
10.	Prof A.K Choudhury	Ground Improvement through use of Admixtures andGrouting Techniques	19 th October2024 Latest Development in the Field of Civil Engineering organized by The Institution of Engineers (India), Jamshedpur Local Centre
11.	Dr. Prahlad Prasad	Latest Development in the Field of Civil Engineering	19th October,2024 at SNTI Auditorium, JN Road, Bistupur Jamshedpur under the banner of the Institution of Engineers.
		DEPARTMENT OF CHEMISTRY	
1.	Dr. Ananta Kumar Atta	Modification of carbohydrates: practical uses assensing materials	8th August 2024, Haldia Institute of Technology, Haldia, West Bengal
4.	Dr. Ananta Kumar Atta	Modification of carbohydrates: practical uses assensing materials	August 07-09, 2024 Haldia Institute of Technology, West Bengal
		DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING	
1.	Dr. Koushlendra Kumar Singh	Identification and classification of lung nodule and Brain Tumor Classification based on deep learning models	16th June 2025 – 26th June 2025, Electronics & ICT Academy, NIT Warangal
2.	Dr. Koushlendra Kumar Singh	Medical Image analysis and its Advancement through explainable AI and Security	05th – 14th February, 2025, Organized by IIIT Kottayam
3.	Dr. Koushlendra Kumar Singh	Use of computer technology and AI in writing AND Author's Preparation for Textbook Writing: Research Based Approach, Use of Technology, and Available Resources.	20 January, 2025 Central University of Jharkhand
4.	Dr. Koushlendra Kumar Singh	EEG Signal Application based on Deep Learning	18 December 2024, OP Jindal University, Raigarh,
5.	Dr. Alekha Kumar Mishra	Hybrid Modes of Operation for RPL in IoT Networks	28th April 2025 ,Online for NIT Warangal
6.	Dr. Alekha Kumar Mishra	Cryptographic Primitives of Blockchain	28th April 2025), Online for NIT Warangal
7.	Dr.Chandrashekhar Azad	The Essentials of Machine Learning: Tools, Techniques and Real-World Use Cases	Expert Talk at G H Raisoni College of Engineering and Management, Pune. Date: 22nd August 2024.
8.	Dr. Chandrashekhar Azad	AI Foundations and Its Evolution, Machine Learning and Deep Learning Algorithms	AI Kabir Polytechnic Jamshedpur. Date: 16th December 2024
9.	Dr. Chandrashekhar Azad	The Future of Cyber security Emerging Trends and the Role of Machine Learning in Cyber security	Guru Gobind Singh Educational Society's Technical Campus Bokaro. Date: 25/01/2025
10.	Dr. Chandrashekhar Azad	Optimizing Text Representations: Metaheuristic-Based Feature Selection in NLP	International Conference on Mathematics and Statistics in the Era of DataScience (IC-MSDS- 2025) at CUJ Ranchi, Date: 20th March, 2025

11.	Dr. Chandrashekhar Azad	Intrusion Detection in Wireless Sensor Network using Machine Learning Algorithms	-Week Online Faculty Development Program on Next-generation Wireless Sensor Networks (NGWSN-2025) NIT Jamshedpur , Date: February 17-28, 2025.
12.	Dr. Sanjay Kumar	Role of Artificial Intelligence in Technical and Professional Education	16-21st June 2025 Buddha Polytechnic College, Gida, Gorakhpur
13.	Dr. Mayukh Sarkar	Quantum Leap: Exploring the Future of Computing	20th July, 2024 at GH Raisoni College of Engineering and Management, Pune
14.	Dr. Mayukh Sarkar	Foundations of Machine Learning - Hands-On Bootcamp	22nd and 23rd November, 2024 at BV Raju Institute of Technology, Narsapur
17.	Dr. Subrata Dutta	Enhancing Research Publications with Navigating Research Methodology To High - Impact Publishing: A Strategic Frameworks	29th March, 2025, Anurag University (online mode)
18.	Dr. Subrata Dutta	Role of Internet of Things (IoT) in Smart Agriculture	17th February, 2025, Ministry of Electronics and Information Technology (MeitY), Government of India (Online mode)
19.	Dr. Amit Majumder	Fundamentals of Artificial Intelligence and Its Impacts on Society	23-09-2024 (Online), Bhatter College, Dantan, West Bengal
20.	Dr. B Ramachandra Reddy	Introduction of classification models: binary and multi-class, multi-labelled classification. Naïve Bayes, KNN classifiers.	20-03-2025, Online Faculty Development Program (FDP) on Mathematics of Machine Learning, VIT Chennai
21.	Dr. B Ramachandra Reddy	PyTorch and TensorFlow (Keras) Libraries for Deep Learning	Faculty Development Program (FDP) on "Next Generation of Artificial Intelligence," organized by the Departments of ECE and CSE, MANIT Bhopal
23.	Dr Arijit Das	Gen AI and LLM : An Introspetive Journey of NLP with Application to Modern Civilization	In the FDP "Natural Language Processing with Deep Learning" held from 24 June to 1st July 2025, in collaboration with E&ICT Academy, NIT Patna, and funded by the Ministry of Electronics and Information Technology (MeitY), Government of India
24.	Dr. Deepak Rai	Fundamentals of Image Processing and Face Hallucination Techniques using MATLAB	16/05/2025, Online through Webex in E&ICT Academy NIT Patna FDP on Machine Learning for Computer Vision & Image Processing
25.	Dr. Suchismita Mahato	P, NP, NP Hard, NP Complete Problems, Satisfiability and Reductions	Online, Department of Artificial Intelligence and Machine Learning, Manipal University Jaipur on 15th April, 2025
26.	Dr. Jitesh Pradhan	Hands-On: Deep Transfer Learning for Plant Leaf Disease Detection	04/03/2025, Online through Webex in E&ICT Academy NIT Patna FDP on "Machine Learning for Multimedia Processing and Forensics"
27.	Dr. Jitesh Pradhan	Hands-On: Deep Transfer Learning for Disease Detection on Ortho-Skeletal System	17/05/2025, Online through Webex in E&ICT Academy NIT Patna FDP on "Machine Learning for Computer Vision & Image Processing"
28.	Dr. Jitesh Pradhan	Natural Language Processing (NLP): Transformer models	Session 1 - 23/05/2025, Online through MS Teams in E&ICT Academy MANIT Bhopal FDP on "Next Generation of Artificial Intelligence"
29.	Dr. Jitesh Pradhan	Different Transformer Models implementation for NLP (LAB)	Session 2 - 23/05/2025, Online through MS Teams in E&ICT Academy MANIT Bhopal FDP on "Next Generation of Artificial Intelligence"
30.	Dr. Jitesh Pradhan	Deep Dive into Support Vector Machine (SVM)	Session 1 - 24/03/2025, Online through MS Teams in E&ICT Academy NIT Warangal at VIT Chennai FDP on "Mathematics of Machine Learning"
31.	Dr. Jitesh Pradhan	Hands-On: Deep Dive into Support Vector Machine (SVM)	Session 2 - 24/03/2025, Online through MS Teams in E&ICT Academy NIT Warangal at VIT Chennai FDP on "Mathematics of Machine Learning"
32.	Dr. Jitesh Pradhan	Smart Healthcare in Action: IoT Case Studies and Insights	Keynote Address at Seminar on "5G and Beyond: Revolutionizing Communication and Networking" on 20th May 2025 at ICFAI University Jharkhand

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING			
1.	Dr. Chandradeep Singh	Intelligent Reflecting Surface	18 August 2024, B.A. College of Engineering & Technology
2.	Dr. Munendra Singh	Physics-informed deep learning for saturation transfer MRI	17/11/2024 IEEE Silicon 2024 held at NIT Agartala
3.	Dr. Munendra Singh	AI-based Image Processing for Bio-medical Applications	27/02/2025 AIIPBM FDP 2025 held at NIT Jamshedpur
4.	Dr. Amit Kumar	Role of Nano Structured Semiconducting Materials in Photovoltaic Devices	27-07-2024 Online Mode
5.	Dr. Amit Kumar	Recent Development in Optoelectronic Devices	24-09-2024 Online Mode
6.	Dr. Amit Kumar	Fabrication Process of Electronic Devices	30-11-2024 Online Mode
7.	Dr. Kaushik Das	VLSI Chip Design and Verification	01st – 6th April 2025, NIT Jamshedpur
8.	Dr. Prashant Kumar	Artificial Intelligence–driven Wearable Devices	1 day Workshop sponsored by BCST, Govt. of Bihar, 8 March 2025, BIT Mesra, Patna
9.	Dr. Rajashree Nayak	Research Methodology	18th June, 2025 at Srinix College of Engineering, Balasore, Odisha
DEPARTMENT OF ELECTRICAL ENGINEERING			
1.	Prof. Niranjan Kumar	Recent trends in Power System in Deregulated Environment	28 Nov 2024- OP Jindal University Raigarh
2.	Dr.Madhu Singh	Next Generation Applications in Green Energy Technology	07 - 08 December, 2024 BIT Sindri, Dhanbad, Jharkhand, INDIA
3.	Dr. K Namrata	Estimation of solar radiation and its impact on Transition to Green Energy.	10th July 2024 (ONLINE), IEEE WOMEN OF WISDOM (WOW) 5.0 TECH TALK SERIES, IEEE KERELA SECTION.
4.	Dr. K Namrata	Techno-Economic Analysis and Energy Management of Renewable Energy Bases System.	15th July 2024(ONLINE)IEEE WISE
5.	Dr. K NAMRATA	Women's Role in STEM Education and Carriers.	8th March 2025ARKA JAIN
6.	Dr. O. H. Gupta	Distributed Generation and Power Quality	At Government SNTI Auditorium, Jamshedpur, Jharkhand, India, during One Day Seminar on Recent Advancement in Electric Power Systems, organized by Institution of Engineers, Jamshedpur Local Center, Jamshedpur on 8th Feb 2025
7.	Dr. O. H. Gupta	Grid-integration of renewable-based Distribution Generation – a microgrid approach	Online Faculty Development Programme (FDP) on "Smart Grids and IT: Facilitating Electric Vehicle Integration into Renewable Energy Sources" Organised by Electronics & ICT Academy (Hub), NIT Warangal in association with E&ICT Academy (Spoke), NIT Raipur, Raipur – 492010, Chhattisgarh & Indian Institute of Technology Bhilai, Bhilai – 491002, Chhattisgarh, Sponsored by Ministry of Electronics and Information Technology (MeitY), GoI, 27th March 2025
8.	Dr. O. H. Gupta	Renewable-based Distributed Generation	At Pacific Academy of Higher Education and Research University, Udaipur during online webinar, 3rd May 2025
9.	Dr. O. H. Gupta	A microgrid approach & challenges	A microgrid During 4th One Week Self-Financed Short-Term Course on "Advances in Power Technologies (APT–2025)," from June 23 to 27, 2025, in Hybrid Mode, organized by EE Dept. of Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, Uttar Pradesh, India, 25th June 2025.& challenges
10.	Dr. Mrinal Kanti Sarkar	Sliding Mode Control for a Class of Mechatronic Systems	13-02-2025, NIT Patna
11.	Dr. S K Samal	Solar PV Power Processing and Applications: A non-conventional Approach	29th August 2024 and NIT Manipur

12.	Dr. S K Samal	Multi-Port Hybrid Solar Power Processing: A Morden Micro-Grid Application	5th August 2024 and RVS Engineering college, Jamshedpur
13.	Dr. Kundan Kumar	Modeling and Design of Wireless Charging Infrastructure for On-the-Move Electric Vehicles	17th July, Bangladesh (Online), IEEE Young Professionals Talk Series 2025 – IEEE RUET Student Branch
14.	Dr. Alok Priyadarshi	Invitation for the Expert Talk on the project work for final year students of Electrical and Mechanical Engineering of Government Polytechnic, Adityapur	03/12/2024, Government Polytechnic, Adityapur
15.	Dr. Alok Priyadarshi	Regarding participation in the District Level Science Exhibition 2024, organized at the District Education and Training Institute, Gamharia, Seraikela- Kharsawan.	20/01/2025, District Education and Training Institute, Gamharia, Seraikela- Kharsawan.
16.	Dr. Alok Priyadarshi	Invitation as an external expert and guest of honour for project exhibition at the Government Women's Polytechnic, Gamharia	10/06/2025, Government Women's Polytechnic, Gamharia
17.	Dr. K. Raghavendra Naik	Adaptive Energy Management Strategy for Sustainable Voltage Control of PV–Hydro–Battery Storage Integrated DC Microgrid	Invited Lecture for Internal Faculty Training Program, SRKR Engineering College; Delivered on 23rd November 2024
18.	Dr. K. Raghavendra Naik	Intelligent Control Configuration for EV Charging Station Integrated DC Microgrid	STTP on Artificial Intelligence Applications to Microgrids and EVs, NIT Jamshedpur (25th – 29th January 2025); Delivered on 29th January 2025
19.	Dr. K. Raghavendra Naik	Intelligent Control Configuration for EV Charging Station Integrated DC Microgrid	FDP on Electric Vehicles and Energy Storage Systems: Recent Trends and Future Prospects; Delivered on 1st February 2025, 12:30 – 01:30 PM
20.	Dr. K. Raghavendra Naik	Lecture on Industrial Power Electronics for Sustainable Microgrids and E-Mobility	FDP on Industrial Power Electronics for Sustainable Microgrids and E-Mobility (15th – 26th April 2025); Delivered on 18th April 2025
21.	Dr. Veerpratap Meena	Chief Guest and Keynote Speaker, "Transforming Sustainable AI Systems through Power Electronics and IEEE-driven Innovation"	3rd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2025), M. P. Nachimuthu M. Jaganathan Engineering College, Erode, India, June 11–13, 2025
22.	Dr. Veerpratap Meena	Chief Guest and Keynote Speaker, "Shaping the Future of Technology with the IEEE Systems Council"	3rd International Conference on Inventive Computing and Informatics (ICICI 2025), S.E.A College of Engineering and Technology, Bangalore, India, June 4–6, 2025
23.	Dr. Veerpratap Meena	Chief Guest and Keynote Speaker, "About the IEEE Systems Council"	2nd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2024), M. P. Nachimuthu M. Jaganathan Engineering College, Erode, India, Oct 23–25, 2024
24.	Dr. Veerpratap Meena	Invited Speaker, "Benefits of IEEE Membership for Undergraduate, Graduate, and Academic Professionals"	Department of EEE, School of Engineering and IT, in collaboration with IEEE-AJU Student Branch, ARKA JAIN University, Jharkhand, November 20, 2024
25.	Dr. Surya Prakash	Design and Modeling of a Grid Tied Inverter for PV Applications	Department of Electrical & Electronics Engineering, Anurag University – School of Engineering, Five-Day National Level FDP on "Next Generation Power Electronics for Grid Modernization and Electric Mobility" (in collaboration with Typhoon HIL Quarbz Info Systems), June 19, 2025
DEPARTMENT OF MATHEMATICS			
1.	Dr. Sumit Kumar Debnath	Generative AI and Its Impact on Computing Application	March 25, 2025, BENNETT University, India
2.	Dr Sunil Kumar	Differential equations using Fractional Calculus	Little Flower Degree college Uppal, Hyderabad, July 28 2025
3.	Dr. Shakti Prasad	Innovative Advanced Sampling Techniques in Data Sciences for Social Science Applications	Department of Data Sciences & Analytics, School of Social Sciences, Ramaiah University of Applied Sciences, Bangalore on 19th November 2024

4.	Dr. Shakti Prasad	Unlocking Potential: Advanced Mathematics for Engineers and Scientists	Department of Applied Sciences & Humanities, PIET, Parul University, Vadodara, Gujarat during 21st– 26th October 2024.
5.	Dr. Ratnesh Kumar Mishra	Finitely generated free abelian groups.	Date of presentation: 21/12/2024. Place: Pt Ravishankar Shukla University Raipur Chhattisgarh India.
6.	Dr. Ratnesh Kumar Mishra	Commutative Algebra and its Applications.	Date of presentation: 23/12/2024 & 24/12/2024. Place: AIAS, Amity University Uttar Pradesh, Noida.
7.	Dr. Rajat Tripathi	Keynote lecture on the topic "Harnessing the Physics-Informed Neural Network for Breakthrough Insights in Fluid Mechanics"	March 28, 2025at4th International Conference "Recent Advances in Mathematical Sciences and Interdisciplinary Areas.Organized by GLA University, Mathura, UP, India
8.	Dr. Rajat Tripathi	Invited Lecture on the topic "Turbulence Unveiled: Using PINNs for Insights into Turbulent Flows"	5-Day workshop on the topic "Taming Turbulence: Advancement in Flow and Acoustic Control." during January 20- 24, 2025, Organized My Department of Mechanical Engineering, NIT Jamshedpur
9.	Dr. Rajat Tripathi	Invited lectures on the topic "Understanding basic operations in MATLAB (arrays, Loops, functions) and their application in solving problems and Making sense of the data using Machine Learning techniques in MATLAB"	Hands on Workshop on Matlab Application in Civil Engineering (Hybrid Mode) " during January 16-20, 2025, organized by Department of Civil Engineering, NIT Jamshedpur
10.	Dr. Rajat Tripathi	Invited Lecture on the topic "AI meets Fluid Dynamics: A New Paradigm Shift in Fluid MEchanics"	International Workshop on "Recent Trends in Applied Mathematics for Engineering & Technology", during August 05-07, 2024, organized by Department of Applied Mathematics, Amity University Madhya Pradesh, Gwalior
11.	Dr. Raj Nandkeolyar	Numerical and Statistical Investigation of Magnetohydroydynamic Fluid Flow Problems	January 13, 2025, National Chi Nan University, Nantou County, Taiwan
12.	Dr. Raj Nandkeolyar	Numerical Solution of MHD Fluid Flow Problems using Spectral Quasi Linearization Method	December 04, 2024, VIT Vellore, India
DEPARTMENT OF MECHANICAL ENGINEERING			
1.	Dr. Deepak Kumar	Next Generation Composite Materials for Industrial Applications	06/08/2024, RVS Engineering and Technology, Jamshedpur, Jharkhand
2.	Ashok Kumar Mandal	Vibration of Indian Stringed Musical Instruments	10th March 2025, Department of Engineering Design, IIT Madras
3.	Ashok Kumar Mandal	Vibration characteristics of Strings Indian Stringed Musical Instruments	5th April 2025, Department of Heritage Science and Technology, IIT Hyderabad
4.	Dr. Vishesh Ranjan Kar	Composites for High-Performance Applications	19-20, Aug 2024in Mechanical Engineering International Conference (MEICON 1.0) organised by OP Jindal University, Raigarh, India.
5.	Dr. Vishesh Ranjan Kar	Multi-directional Functionally Graded Materials: Modelling & Analysis	29 July - 09 Aug 2024.In Two-Week Faculty Development Programme (FDP) on 'Advanced Functional Materials 'AFM 2024' (Current Research, Innovation and Applications)' organised by Sant Longowal Institute of Engineering & Technology (SLIET), Panjab, India
6.	Dr Shailesh Kr Jha	Research Methodology	07-08-2024
7.	Dr Shailesh Kr Jha	Conduction (Basic and Advance)	22-03-2025
8.	Dr. Pranab Kumar Kundu	Navigating the Future: The Role of Artificial Intelligence in Transforming Society	10th Aug 2024 (Online) in AICTE-ISTE STTP on "Recent Developments in Industry 4.0"SSJCET & SSJP, Asangaon
9.	Dr. Vijay Kumar Dalla	Robotics Evolution	B. A. College of Engineering & Technology Jamshedpur, 30th June 2025
10.	Dr. Vijay Kumar Dalla	National Conference on Recent Trends in Scienceand Technology 2025 (NCRTST 25)",	March 29-30, 2025, at Jalpaiguri Government Engineering College, Jalpaiguri, West Bengal.
11.	Dr. Vijay Kumar Dalla	Robotics	RKDF University, Ranchi, 22nd April, 2025
12.	Prof. Sanjay	NEP & NBA	12-May-2025/IIT(ISM)Dhanbad
13.	Prof. Sanjay	Green Hydrogen production	12-May-2025/IIITJabalpur (online)

14.	S.R. Maity	Process parameters Optimization of laser cladding using MCDM	10 Oct 2024, Mathematical Institute of the Serbian Academy of Sciences and Arts, Knez Mihailova 36, P.O. Box 367, 11000 Belgrade, Serbia
15.	S.R. Maity	Decision-Making Approaches for Green and Sustainable Technologies	11-09- 2024, Chaudhary Charan Singh University, Meerut-250004, Uttar Pradesh
16.	S.R. Maity	Investigation of Microstructural and Mechanical Properties of AA7075/B4C/ZrC hybrid composites Fabricated by Powder Metallurgy Techniques	21-11-2024, Department of Mechanical Engineering, Haldia Institute of Technology, Haldia, West Bengal
DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING			
1.	Dr Ram Krishna	Challenges and Opportunities of AI/ML in Materials Characterization during 'One Day National Workshop on Image Processing and Machine Learning for Mineral Characterization' An SSR Initiative Under ANRF Sponsored Project.	18.01.2025 at the Department of Computer Science and Engineering, BIT Mesra, Ranchi,
2.	Dr Ram Krishna	The Use of RF Plasma Spheroidization in Advancing emerging technologies of additive manufacturing	28.08.2024 at Department of Mechanical Engineering, Indus University, Ahmedabad.
3.	Dr.Renu Kumari	Laser Texturing of Ti alloy	5th Indo-Austrian Symposium on Materials Engineering (IASME 2024), 12th-13th December, 2024, IIT Kharagpur
4.	Dr.Rina Sahu	Metallurgical Industry: Its Challenges and outcomes	29 July 2025, 11am-12 and VIT University, Online mode
5.	Dr. Prakash Sarkar	Basic fundamentals: Fatigue failure	1st June 2025, Organizer: Value added course-Numerical analysis of fatigue failure in mechanical components, Mechanical Engineering department, Arka Jain University, Jharkhand
6.	Dr. Prakash Sarkar	Small-scale deformation using nanoindentation: Basic theories	10th December 2024, Organizer: R&D section, TATA Steel, Jamshedpur, Jharkhand.
7.	Dr. Binay Kumar	Environmental Concern & Sustainable Metal Extraction	28th Aug 2024. Short Term Course On "Recent Advances in Extractive Metallurgy" 27thAug to 31stAug 2024 Organized by Dept. of Metallurgical & Materials Engg. NIT Srinagar
DEPARTMENT OF HUMANITIES, SOCIAL SCIENCES AND MANAGEMENT			
1.	Dr. Neha Jaiswal	Applying Business Model Canvas in Go-to-Market Strategy	Five-Day Faculty Development Program (FDP) on Entrepreneurship and Innovation, sponsored by AICTE and Ministry of Education's Innovation Cell (MIC) scheduled from March 27 March, 2025
2.	Dr. Neha Jaiswal	Leading Innovation & Entrepreneurship Activities and Pre-Incubation/Incubation in HEIs	Five-Day Faculty Development Program (FDP) on Entrepreneurship and Innovation, sponsored by AICTE and Ministry of Education's Innovation Cell (MIC) scheduled from March 28 March, 2025
DEPARTMENT OF PRODUCTION AND INDUSTRIAL ENGINEERING			
1.	Dr. Mayuri Baruah	Delving into 3D printed houses: future of modern infrastructure	The workshop organised by Society of Industrial Management and Engineering, BIRLA INSTITUTE OF TECHNOLOGY, MESRA
2.	Dr. Tushar Banerjee	Panelist in the session titled 'Panel Discussion On Networking of Organisations for enhancing the employability and Higher study opportunities for students of INIs of NER in India and Abroad'	2- Days Industry-Tech-Acad Conclave-2025 (ITAC-2025), 18-19th March, 2025, NIT Agartala
3.	Dr. Kuntal Maji	Machine learning based modeling for analysis of incremental sheet forming processes	National Seminar on "Smart and Sustainable Manufacturing: Industry 4.0 & Beyond", scheduled from May 5 to May 9, 2025, in offline mode at BIT Sindri, Dhanbad, Jharkhand
4.	Dr. Susmita Datta	Soft Computing-based Techniques for Sustainable Manufacturing	National Seminar on "Smart and Sustainable Manufacturing: Industry 4.0 & Beyond", scheduled from May 5 to May 9, 2025, in offline mode at BIT Sindri, Dhanbad, Jharkhand

CHAPTER – 05 | GENERAL FACILITIES AND SERVICES

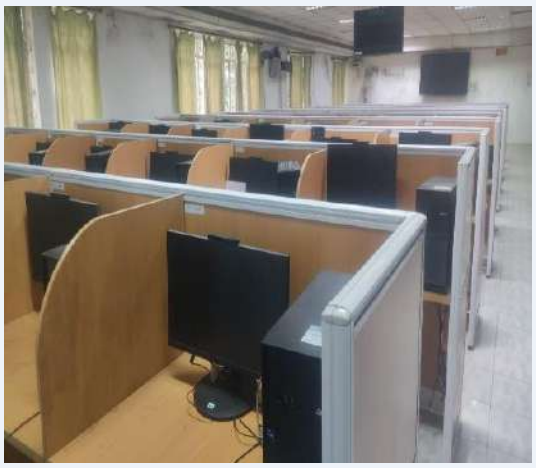
5.1 COMPUTER CENTRE

Computer Centre is a central facility of the Institute. Currently, the Computer Centre has a total of 5 labs with 340 desktops. The facilities are available to all the Institute's stakeholders. The operational time of the Computer Centre is from 8:00 AM to 10:00 PM. The Computer Centre is responsible for all the central computational services and internet in the Institute. Currently, the Institute has three different internet leased lines from RailTel of 2Gbps, NKN of 1Gbps and 1Gbps from Power Grid. Computer Centre has "**The Collaboratorium**", the first of its kind in the institute, where students can gather around and discuss in a collaborative environment.

Laboratory Developed



LAB – II



LAB - IV



LINUX LAB



The Collaboratorium





LABS INAUGURATION

Procured Equipment

S. No.	Equipment	Cost (INR)	Funding Agency
1.	Desktop (100) - ACER	1,03,66,600/-	MOE
2.	Linux-Based Desktop (100)- ACER	98,94,300/-	MOE
3.	Desktop Computer(100) -HP	1,13,93,300/-	MOE
4.	216 cm Touch Screen Display	3,74,989/-	MOE
5.	75-inch LED	3,70,198/-	MOE
6.	LED TV 55-inch	2,86,500/-	MOE
7.	Printers (85)	16,37,900/-	MOE

People

S. N.	Name	Post
1.	Dr. Koushlendra Kumar Singh	Faculty In Charge
2.	Dr. Subrata Dutta	Coordinator
3.	Mr. Ravi Ranjan	Technical Assistant
4.	Mr. Shankar Prasad Singh	Network Administrator
5.	Mr. Abhishek Yadav	Technician
6.	Mr. Banothu Suman	Technician
7.	Mr. Shankar Kumar	Technician
8.	Mr. Harsh Vardhan	Technician
9.	Mr. Santosh Sardar	MTS
10.	Mr. Anand Pradhan	MTS
11.	Mr. Basu Gaur	MTS

5.2 CENTRAL LIBRARY

The Central Library is one of the units of the Institute. The primary goal of the Library is to support the educational, research, and innovation programs of the Institute by providing physical and digital access to intellectual information and reading resources.

The library is well-managed and acts as the knowledge hub of the entire Institute. It has rich and comprehensive high-quality information resources in Science and Technology, Management, and Humanities. It serves as a creative and innovative partner in supporting the Institute's teaching, learning, and research activities and contributes significantly to its mission of academic excellence.

The Institute Library has three spacious floors. The library building is integrated with CCTV cameras and a fire alarm system for better security. A plan for RFID for books is underway.







Features of the Library

1. Complete book entry and issue return with a LAN-based Open-Source Software System, Koha. (Soon will be opened on WAN)
2. Open Access-based arrangement. Users can go to book racks and choose the books that fit their needs.
3. Remote Access facilities are provided for electronic resources access outside campus. For login ID, please mail to librarian@nitjsr.ac.in
4. Ask a librarian support - An email is enough to post your queries. Email ID: librarian@nitjsr.ac.in
5. Faculty recommends/chooses books and all other resources for purchase
6. Internet connections (Wireless and LAN) are provided in reading rooms.
7. Fresh drinking water, AC reading rooms, and a book scanner are available for required scanning chapters.
8. CCTV is expanding to every corner of the library.

Types of Resources in the Library (with approximate numbers)

1. eBooks – 24000+ eBooks of different renowned publishers.
2. Books (Reference and Textbooks) - 85000+
1. TEQUIP Book Bank - 7000+
2. SC/ST Book Bank – 46000+
3. Donated Books Section - 3200+
4. PhD Thesis (CD and Print) – With PhD Thesis
5. Hindi Literature Books – 2600+.
6. Bound Volume (ranging from volume 01 to till print edition)
7. PhD Thesis (of all passing out PhD scholars.)
8. Donated Books
9. Annual Reports
10. Newsletters
11. Newspaper and Magazines (print + digital)

Library Space/Sections

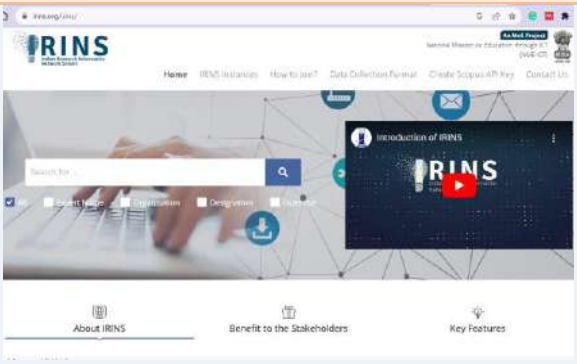
Ground Floor	First Floor	Second Floor
Circulation Area	Applied Science Book Section	Library Seminar Hall
Meeting Room	Humanities and Social Science Section	SC / ST Book Bank Section – 1
Hindi Books	Electrical, Electronics, Production Engineering Books Section	Bound Volume Section PhD Thesis Section (Proposed)
Donated Books Area	Civil, Mechanical, Mechanics Book Area	Storeroom
Magazine and Newspaper Reading	Computer Science Books Section	SC / ST Book Bank Section – 2
Acquisition Section	Electronic Reading Section And Library Server Section	
Reading Room		
Reference Section		
Library Officials Cabins		
Users Belonging Room		

Digital Services and related web page link

Institutional Digital Repository (IDR)	http://14.139.205.163:8080/xmlui/
IRINS Faculty Database	https://nitjsr.irins.org
Library E-Resource Remote Access	https://idp.nitjsr.ac.in
Library Catalogue (intranet)	http://10.51.0.10
Library Webpage	https://sites.google.com/nitjsr.ac.in/centrallibrary/
NIT JSR Shodhganga PhD Thesis Repository	https://shodhganga.inflibnet.ac.in:8080/jspui/handle/10603/436288



Institutional Digital Repository (IDR) http://14.139.205.163:8080/xmlui/



IRINS Institute Research Database https://nitjsr.irins.org



Library E-Resource Remote Access https://idp.nitjsr.ac.in



Library Online Catalogue (Koha LMS) (intranet http://10.51.0.10)



Library Website : https://sites.google.com/-nitjsr.ac.in/centrallibrary/



NIT JSR Shodhganga PhD Thesis Repository https://shodhganga.inflibnet.ac.in:8080/jspui/handle/10603/436288

E-Journals



30 Publishers' more than 13000 journals articles from 1995 to till the date are accessible.



IT Infrastructure and Services

- Electronic Library, a reading section with a Desktop computer
- Fully Wi-Fi Connection and Internet points for laptop users
- Book Eye Open Book Scanner facility for the readers.
- LAN Cable – LAN cables are provided to connect users' laptops.
- Extension Cord –Provided on each reading table for charging electronic devices.
- Scientific Calculator – Students can borrow Scientific Calculators for a day.
- Webcam and Headphones are provided for job interviews
- Keyboard / Mouse for the students while they are in the library.

Library Committee

Member Name		Role
Prof. Prabha Chand		Chairperson
Dr S R Pandey		Member
Dr Raj Nandkeolyar		Member
Dr Jitendra Kumar		Member
Assistant Registrar,	Finance and Account	Member
Assistant Registrar,	Store and Purchase	Member
Shri Munesh Kumar		Member & Convener

Staff/Team

Name	Designation	Contact Number	Contact Email
Mr. Munesh Kumar	Deputy Librarian	9307812117	librarian@nitjsr.ac.in
Dr. Neeta Bharti	Assistant Librarian	8986711008	neetabharti.lib@nitjsr.ac.in
Mr. Ravi Mahato	Care Taker	7294169042	ravimahato.mts@nitjsr.ac.in
Mr V P Mahto	MTS Library	-	-

5.3 PLANNING AND DEVELOPMENT DIVISION

5.3.1 Major Construction/ Renovation projects completed during 2024-25

- Construction of 1000 bed G+5 boy's hostel (Block-A).
- Construction of wastewater drain on the back side of B-type (Old 01 to 20) and D Type (09 to 18) quarters.
- Construction of Wastewater Drain on the back side of C Type Quarters at NIT Jamshedpur
- Construction of waste water peripheral drain back side of B type (Old 01 to 20) and D type (09 to 18) quarters at NIT Jamshedpur.
- Const. of Ramp and laying of paver block at Academic Blocks 1,2,3,4 and Central Library
- Construction of Footpath by Providing and Laying Paver Block from I Hostel to Central Library along the Road.
- Construction of Passage Road of Paver block from Mega Mess to Lecture Hall Complex with Shed and Cross Drainage works.
- Construction of Plinth protection and additional widening of plinth protection by laying of paver blocks at Hostels-A, B, C, D, E, F, G, H, I, AHR, RLB.

- Anti-termite treatment of Renovated quarters (Number of CF Type-28, A Type-8, B Type-21, C Type-13, D Type-18, E Type-22) and I Hostel at NIT Jamshedpur.

5.3.2 Major Construction/ Renovation Projects On-going in 2024-25

- Construction of 1000 bed G+5 boy's hostel (Block-B)
- Construction of 300 bed G+5 Girls hostel
- Renovation of Academic Blocks 6 and 7
- Renovation of Balance Institute quarters (9 No.s)
- Minor repair and surface coating of the Main Road of the Institute campus.
- Minor Repair & painting and Misc. Development works at Institute Guest House and Annapurna Canteen
- Minor Renovation and painting of hostels and their messes
- Installation of 03 (Three) no's deep bore wells with pumping arrangement for Hostel & Academic block
- Solar lighting along the pathway of the Children's Park
- Construction of boundary wall at old STP near hostel-K
- Painting of the thick Grill Boundary wall of the institute campus

5.3.3 Major Proposed Construction/Renovation/Infrastructure Development works in the near future

- Construction of 100 Nos. Married research scholars' accommodation at NIT Jamshedpur
- Construction of the students' activity Centre by vertical extension of Annapurna Mess (Mega Mess)
- Construction of a 1000-capacity auditorium
- Construction of 56 Faculty quarters
- Construction of Research Park Building (Phase I)
- Development of the Sports field (Downs Ground) at NIT Jamshedpur
- Civil and Electrical renovation of the Central Library building
- Furniture for 1000 Bed Boys Hostel (L Hostel)(Warden Room, Guest Room, Common Room and Common Areas etc.
- Sports Field & Facility
- Network Switches for I, J & K (Old Hostels)
  Providing DG set of 500 KVA at Boys' Hostel, Substations for emergency Electrical services Backup
- Feeder pillar at various locations of the Institute
- Up gradation and restoration of fire fighting system in J & K hostel
- Roof top solar installation on hostels and academic building

5.4 INSTITUTE HEALTH CENTRE & HOSPITAL FACILITY

To cater the medical needs of the students and employees, the institute has health center in the campus as well as empanelled hospitals for employees and their dependents. Students have insurance facilities for OPD and IPD treatment at higher centres.

Medical facilities are being monitored by Medical Services Committee. Institute Health Centre (Dispensary) provides basic medical treatment to students, employees and their dependents.









Institute Health Centre

5.4.1 Institute Health Centre Staffs:

1. Chairman Medical Services: Dr. M A Hassan: Chairman, Medical
2. Medical Officer: Dr. Abhay Kumar: Medical Officer
3. Medical Officer(O/C): Dr. Keshav Raj Shukla
4. Medical Officer, Female(O/C): Dr. Tashnim Kaushar
5. Counsellor, Male: Mr. Ajitabh Goutam
6. Counsellor, Female: Ms. Pushpa Bala Mahato
7. Assistant SG-II: Mr. Anil Kumar
8. Nurse: Ms. Aparna Mahato
9. Nurse: Ms. Anitha Jalla
10. Lab Technician: Mrs. Renuka Srivastava
11. Attendant: Mr. Sunil Gour
12. Attendant: Mr. Bideshi Mukhi

5.4.2 Facilities at Institute Health Centre

1. OPD facilities
2. Psychiatric Counselling
3. Pathology
4. ECG
5. ECG HOLTER
6. Ambulatory BP

5.4.3 Ambulance Facility

Ambulance facility is available 24×7 for students, employees and their dependents.

Contact Point: Security Control Room: 9065527391

5.5. ALUMNI REUNION

5.5.1 ANNUAL MEET 2025: Technology Students Gymkhana (TSG)

Total Alumni Attendance: 180+

Notable Batch Attendance:

- 70+ alumni from the 1996 batch (Silver Jubilee batch)
- 100+ alumni from the 1975 batch (Golden Jubilee batch)

Event Overview:

On January 24, 2025 Annual Alumni Meet 2025 was a grand success, bringing together over 180 alumni from various batches, with a significant turnout from the 1975 (Golden Jubilee) and 1996 batches. The event was held at the Technology Students Gymkhana (TSG) and featured a mix of formal ceremonies, cultural performances, and interactive sessions, fostering a sense of nostalgia and camaraderie among the attendees.

Dean (I&A) Prof. K B Yadav and **Director Prof. Goutam Sutradhar** of NIT Jamshedpur addressed the alumni. They shared updates about the institute's progress and future plans, expressing gratitude to the alumni for their continued support and contributions.

Key Highlights:

- **Golden Jubilee Celebration:** The 1975 batch, celebrating their 50th anniversary, was the center of attention, with special mementos and recognition.
- **Silver Jubilee Celebration:** The 1996 batch, celebrating their 25th anniversary, also received special recognition.
- **Networking Opportunities:** The event provided ample opportunities for alumni to reconnect, share experiences, and build new connections.
- **Cultural Extravaganza:** The cultural performances by Team Rooh and alumni added a vibrant and entertaining element to the event.

Distinguished Alumnus Award (2025): Shri Surendra Kumar Goyal (1884-88, ME, NITJSR, Chairman of Shivam Cement) and Dr. Sanjay Kumar Jha (1983-87, MME, RIT Jamshedpur, Chairman and MD of Mishra Dhatu Nigam Limited.

Lifetime Achievement Award (2025): Shri Ramendra Kr. Pujari (1962-66, MME, RIT Jamshedpur and entrepreneur.

Young Achiever Alumnus Award: Dr. Aradhana Ray (1991-95, EE, RIT Jamshedpur, Founder of Laxmi Associate and Asset Management Consultant)

Conclusion:

The Annual Alumni Meet 2025 was a resounding success, with alumni from across batches coming together to celebrate their shared heritage and experiences at NIT Jamshedpur. The event not only strengthened the bond between the alumni and the institute but also provided a platform for networking and reminiscing. The overwhelming response from the 1975 and 1996 batches added a special touch to the celebrations, making it a memorable day for all attendees.





5.5.2 Ramalingam Cup 2024-25





Ramalingam Memorial Cup is a volleyball tournament which was be held as an initiative by the class of 1991–1995 in honour of the late M Ramalingam (LM no NITJAA/LM/964, 91–batch Mechanical Engineering), who sadly passed away on February 17, 2022. Ramalingam was an avid volleyball player in college from 1991 to 1995. In 1994 and 1995, he served as captain of the team. As a tribute to this incredible man, who serves as an inspiration to so many, his batchmates and the entire Alumni Association have organized this tournament to keep his memory in our hearts and cherish the RIT bond that he had shared with his peers.

5.5.3 MONTY QUIZ 6.0

The Alumni Relations Team in collaboration with QuNITe, the official quizzing club of NIT Jamshedpur, unfolded the Monty Quiz to honour Late Flight Lieutenant Sunit Mohanty sir, who was martyred on 3rd June, 2019. This was the 5th edition of the Monty Quiz, which was even more magnificent and upscaled than before.

Prelims 1 and Prelims 2

The quiz unfolded in two preliminary rounds, encompassing Prelims 1 and Prelims 2 which took place on the 8th of November respectively. The Prelims were conducted seamlessly online through Unstop, drawing an impressive 1534 registrations. Rear Admiral Anil Kumar Verma, VSM(Retd.) served as the Guest of Honour for Monty Quiz 5.0.

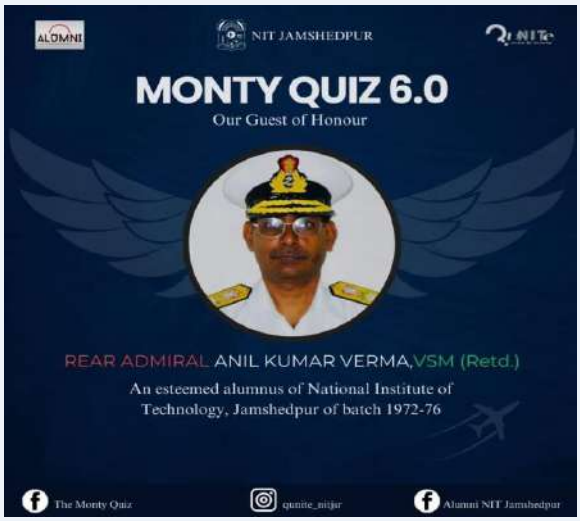
Finals:

The finals was conducted on a Zoom meeting with Major Chandrakant Nair as Quiz Master on 8th of November. The Alumni Relations team also interacted with Mr. Surendra Mohanty, father of Mr. Sunit Mohanty. A total of 9 exceptional teams, distinguished by their prowess in the preliminary rounds, were selected to compete in the Finals.

Prizes and awards:

The culmination of the event was marked by the announcement of the winners and the distribution of a substantial prize pool totalling 75,000. The quiz not only served as a platform for intellectual prowess but also fostered connections and interactions with esteemed personalities, making it a memorable and enriching experience for all participants.









5.5.4 Scholarship Award Distribution

The NIT Jamshedpur Alumni Association (NITJAA) administers multiple scholarships established and funded by alumni to honor memory of luminaries and incentivize academic excellence, leadership, and extracurricular achievement. These programs highlight the alumni community's commitment to nurturing talent and supporting deserving students.

Scholarships Awarded in 2025

(Compiled under "NITJAA Scholarships for NIT Jamshedpur Students New")
nitjaa.org+5nitjaa.org+5nitjaa.org+5

Scholarship Name	Purpose / Eligibility	Recipient(s) & Branch (Batch)	Award Amount
Sailabala Memorial Topper Award	Branch toppers by CGPA (B.Tech final year)	Multiple across branches (2020–24)	₹10,000 each
(Various named awards by individual alumni sponsors)	Branch-wise excellence	Recipients like Ashish Raj, Pratik Sonthaliya, etc.	₹10,000
Malli Mastan Babu Scholarship	For students excelling in sports, adventure & leadership	CSE, MME, CE recipients (2022–26)	₹25,000 each
Chittaranjan & Saraswati Sahay Award of Excellence	JEE Main topper among first-year students	Shivam Kumar Kashyap (CSE, 2024–28)	₹31,000
Har Prasad Shastri Merit Award of Excellence	Highest CGPA after first year	Pullela Hemanvitha (CSE, 2023–27)	₹31,000
Ubharta Vidyarthi Award (Ojaswi Ankur Memorial)	Batch topper after third year	Priyanshu Raj (EEE, 2021–25)	₹31,000









5.6. INSTITUTE VEHICLE FACILITY

Vehicle section has following vehicles to facilitate the students, staff and faculty members of the Institute.

Item	Manufacturer	Quantity	Remarks
Bus	TATA	02	Used for student's transport.
Car	Maruti Ciaz Sigma SX4 Maruti Bolero Mahindra	01 01 01	Used for Director Used for Office works Used for Office works
Bike	Hero Honda	02	Used for security patrolling
Gypsy	Maruti	01	Used for security patrolling
Ambulance	TATA	01	Used for medical emergency
Tractor with tanker and trolley	New Holland	01	Used for water supply, carrying goods & waste material

5.6.1 Facilities Provided

1. Bus facility is available to students for going from Institute to Bistupur market on all days. These are also provided for educational tours.
2. Vehicles are provided for any official visit provided approval is accorded by the competent authority.
3. The vehicle is also provided to staff and faculty members for picking and dropping from/to Railway Station, Bus Stand and Airport on payment basis when they are not for official work. The guidelines for availing this facility and requisition slip are provided on the website of the Institute.
4. The ambulance facility is free of cost to students.

5.7. CONVOCATION 2024-25

5.7.1. 14th Convocation, 2024

The 14th Convocation of NIT Jamshedpur was held on 9th November 2024, conferring degrees to all the graduating and post-graduating students. Honorable Chief Guest Dr. Sanjay Kumar Jha, Chairman & Managing Director, Mishra Dhatu Nigam Ltd., Hydrabad, Guest of Honours Prof. T. N. Singh, Director, Indian Institute of Technology, Patna and Prof. Sukumar Mishra, Director Indian Institute of Technology (ISM), Dhanbad, Dr. Goutam Sutradhar, Honrable Director & Chairman; Board of Govornors, National Institute of Technology Jamshedpur, It was followed by the awarded of degrees to a total of 1110 degrees to 2024 passed out students. Out of these degrees 721 are for UG students, 285 are for PG students, and 104 are for Ph.D. students. A sum of 19 medals including 02 Gold and 17 Silver medals were presented to the meritorious students.





5.7.2 GOLD MEDAL RECIPIENTS

 **ASHISH RAJ** **2020UGEE047** **B.Tech. (HONS)** **(Electrical Engineering)**	 **ANKITA BANERJEE** **2022PGEEPE11** **M.Tech.** **(Power Electronics & Drives)**
UG	**PG**

5.7.3. GRADUATED STUDENTS

B.TECH. (HONS.) PROGRAMME

S.N.	Programme	Number of Students Graduated
1	Civil Engineering	110
2	Computer Science and Engineering	121
3	Electronics and Communication Engineering	115
4	Electrical Engineering	112
5	Mechanical Engineering	111
6	Metallurgical and Materials Engineering	104
7	Production and Industrial Engineering	48
		721

MCA PROGRAMME

S.N.	MCA Programme	Department	Number of Students Graduated
1	Master of Computer Application	Computer Sc. & Engg.	106

M.Sc. PROGRAMME

S.N.	M.Sc. Programme	Number of Students Graduated

1	Chemistry	31
2.	Mathematics	31
3.	Physics	29
		91

M. Tech. PROGRAMME

S.N.	M.Tech. Programme	Department	Number of Students Graduated
1	Structural Engineering	Civil Engg.	14
2	Water Resource Engineering		3
3	Geotechnical Engineering		4
4	Computer Science and Engineering	Computer Sc. &. Engg.	16
5	Information System Security Engg		3
6	Power Electronics and Drive	Electrical Engineering	12
7	Power Systems Engineering		5
8	Communication System Engg	Electronics and Communication Engineering	2
9	Embedded Systems Engineering		17
10	Energy System Engineering	Mechanical Engg.	0
11	Thermal Engineering -		6
12	Computer integrated Design and Manufacturing -		4
13	Materials Technology	Metallurgical and Materials Engg.	0
14	Manufacturing System Engineering	Production & Industrial Engg.	2
15	Surface Science and Engineering	Chemistry	0
			88

Ph.D. PROGRAMME

S.N.	Department	Number of Students Graduated
1	Ph.D.	**104**

Admitted Students Programme–wise from 2021 to 2024-25

S.N.	Programme	2021-22	2022-23	2023-24	2024-25	Total
1	B.Tech.	**753**	**751**	**753**	**749**	**3006**
2	M.C.A.	--	**113**	**112**	**114**	**339**
3	M.Tech.	--	**93**	**98**	**192**	**383**
4	MSc	--	**101**	**98**	**102**	**301**
5	M.Des.	--	--	--	**2**	**2**
6	PhD	**87**	**93**	**206**	**175**	**561**
7.	M.Tech. (Part-Time)	--	--	--	**7**	**7**

5.8. STUDENTS WELFARE AND NATIONAL SERVICE SCHEME (NSS)

5.8.1 Partition Horror Day

On 14th August 2024, NIT Jamshedpur solemnly observed Partition Horror Remembrance Day to honor the memory of those who suffered during the Partition of India in 1947. The event aimed to spread awareness about the pain, resilience, and sacrifices of millions affected by one of the largest human displacements in history. Faculty members, staff, and students gathered to pay tribute through speeches, documentary screenings, and reflective discussions. The observance served as a reminder of the importance of unity, peace, and harmony in preserving the nation's integrity.



5.8.2 Independence Day

On 15th August 2024, NIT Jamshedpur celebrated the 78th Independence Day with great pride and patriotism. The event began with the hoisting of the national flag by the Director, followed by the singing of the National Anthem. Faculty, staff, and students participated enthusiastically in cultural performances, patriotic songs, and speeches highlighting India's journey of progress and unity. The celebration reflected the spirit of freedom and inspired everyone to contribute towards the nation's growth and development.







5.8.3 Foundation Day

On 15th August 2024, NIT Jamshedpur celebrated its Foundation Day with great enthusiasm and pride. The event marked the institute's glorious journey of excellence in technical education and innovation. The celebration began with the lighting of the ceremonial lamp, followed by speeches from the Director and distinguished faculty highlighting the institute's achievements and vision for the future. Students presented cultural performances showcasing the rich heritage of the institute. The occasion reflected the collective spirit, dedication, and commitment that continue to drive NIT Jamshedpur towards greater heights.





5.8.4 Mars Landing Broadcast

On 23rd August 2024, NIT Jamshedpur organized a special event to celebrate India's successful Mars landing, marking a historic milestone in the nation's space exploration journey. The event featured live screenings, expert talks, and interactive sessions highlighting the achievements of ISRO and the significance of this mission for India's scientific community. Students and faculty gathered with immense pride and excitement to witness the nation's growing prowess in space technology. The celebration fostered inspiration among young minds to pursue innovation and research in the field of science and engineering.

5.8.5 PG Orientation:

On 7th September 2024, NIT Jamshedpur organized the Postgraduate Orientation Programme to welcome the newly admitted PG students. The event aimed to familiarize them with the institute's academic structure, research opportunities, and campus culture. The Director, Deans, and faculty members addressed the gathering, encouraging students to pursue excellence in academics and innovation. Interactive sessions and presentations helped newcomers understand the institute's values and resources. The programme concluded with an inspiring note, marking the beginning of their enriching journey at NIT Jamshedpur.





5.8.6 Official Orientation cum Freshers for 2024 UG Batch

On 11th September 2024, NIT Jamshedpur organized the Official Orientation-cum-Freshers' Programme for the 2024 UG batch with great enthusiasm. The event marked the formal welcome of the new students into the NIT Jamshedpur family. The Director, Deans, and faculty members addressed the gathering, introducing students to the institute's academic environment, values, and opportunities for growth. Cultural performances by seniors added vibrancy to the event, creating a warm and memorable start for the newcomers as they embarked on their academic journey.





5.8.7 Swachhata Pakhwada

From 1st to 15th September 2024, NIT Jamshedpur actively observed Swachhata Pakhwada, promoting the message of cleanliness and environmental responsibility across the campus. Various activities such as cleanliness drives, awareness rallies, poster-making competitions, and plantation programs were organized with enthusiastic participation from students, faculty, and staff. The initiative aimed to instill the values of hygiene, sustainability, and civic responsibility among the campus community. The observance concluded with a pledge to continue efforts toward maintaining a clean and green campus environment.



5.8.8 Cultural and Dramatics Society Exhibition

On 24th September 2024, the Cultural and Dramatics Society of NIT Jamshedpur organized an Exhibition showcasing the creativity, talent, and artistic expression of its members. The event featured captivating performances, stage setups, costume displays, and glimpses into the society's past achievements and upcoming projects. Students from various branches participated enthusiastically, reflecting the vibrant cultural spirit of the institute. The exhibition provided a platform for students to explore and appreciate the rich artistic and theatrical culture that defines campus life at NIT Jamshedpur.



5.8.9 Chhap Festival in collab with District Administration

On 18th and 19th October 2024, NIT Jamshedpur, in collaboration with the District Administration, hosted the Chhap Festival, a celebration of art, culture, and community engagement. The two-day event featured exhibitions, workshops, cultural performances, and interactive sessions, highlighting local traditions and creative talents. Students, faculty, and visitors actively participated, making the festival a vibrant platform for cultural exchange and innovation. The event strengthened the bond between the institute and the local community while promoting creativity and heritage.



5.8.10 Rangotsav

On 20th October 2024, NIT Jamshedpur celebrated Rangotsav, a vibrant festival of colors and joy. The event brought together students, faculty, and staff to enjoy cultural performances, music, dance, and fun activities, reflecting the spirit of togetherness and campus camaraderie. Rangotsav provided an opportunity for the NIT community to unwind, bond, and celebrate creativity and cultural diversity in a lively and festive atmosphere.

5.8.11 Diwali Night

On 21st October 2024, NIT Jamshedpur celebrated Diwali Night with lights, festivities, and cultural performances. The event featured music, dance, and traditional rituals, bringing together students, faculty, and staff in the spirit of joy and togetherness. The celebration reflected the rich cultural heritage of India and provided an opportunity for the campus community to bond and share festive cheer in a vibrant and lively atmosphere.

5.8.12 Inauguration of Happiness and Wellness Centre

On 22nd October 2024, NIT Jamshedpur inaugurated the Happiness and Wellness Centre, a dedicated space aimed at promoting mental well-being, stress management, and holistic health among students and staff. The event was graced by the Director and faculty members, who emphasized the importance of mental health and overall wellness in academic and personal life. The centre will offer counselling, wellness programs, and activities to foster a positive and supportive campus environment, encouraging a balanced and healthy lifestyle for the NIT community.





5.8.13 URJA '25

From 25th to 27th October 2024, NIT Jamshedpur hosted URJA '25, the institute's sports festival celebrating athletic talent, teamwork, and competitive spirit. The three-day event featured tournaments and

competitions across various sports, including cricket, football, basketball, and athletics, with enthusiastic participation from students across departments. URJA '25 provided a platform for students to showcase their physical skills, foster camaraderie, and promote a healthy and active lifestyle within the campus community.





5.8.14 Industry Academia Conclave

From 15th to 17th November 2024, NIT Jamshedpur hosted the Industry Academia Conclave, bringing together leading industry experts, academicians, and students to foster collaboration and knowledge exchange. The three-day event featured panel discussions, workshops, technical presentations, and networking sessions focused on emerging technologies, research, and innovation. The conclave provided a platform for bridging the gap between academic learning and industry practices, inspiring students and faculty to pursue impactful projects and strengthen partnerships for future advancements.





5.8.15. OJASS ORIENTATION

On 17th November 2024, NIT Jamshedpur conducted the OJASS Orientation to introduce students to the institute's annual technical festival, OJASS. The event familiarized participants with the festival's various competitions, workshops, and events, encouraging active involvement and teamwork. Faculty and senior students guided newcomers on how to contribute and excel during OJASS, fostering enthusiasm, innovation, and a collaborative spirit within the campus community.

5.8.16. CONSTITUTION DAY

On 26th November 2024, NIT Jamshedpur observed Constitution Day to commemorate the adoption of the Indian Constitution. The event featured lectures, discussions, and awareness programs highlighting the significance of the Constitution, fundamental rights, and duties of citizens. Students and faculty participated actively, reaffirming their commitment to democratic values, justice, equality, and the principles enshrined in the nation's supreme law. The observance served as a reminder of the importance of upholding constitutional ideals in everyday life.





5.8.17. Lit Night

From 30th November to 1st December 2025, NIT Jamshedpur hosted Lit Night, a grand cultural celebration featuring music, performances, and entertainment. The event saw special appearances by celebrities Rahgir and Anushka Grover, adding glamour and excitement to the festivities. Students, faculty, and staff enjoyed live performances, interactive sessions, and vibrant cultural showcases, making Lit Night a memorable celebration of talent, creativity, and campus camaraderie.





5.8.17. PRE-OJASS

From 10th to 12th January 2025, NIT Jamshedpur organized the Pre-OJASS Workshop for all technical clubs in preparation for the institute's flagship technical festival, OJASS. The three-day workshop included hands-on sessions, project demonstrations, and collaborative activities designed to enhance technical skills, innovation, and teamwork. Students actively participated, gaining insights and practical knowledge to contribute effectively during OJASS, fostering a culture of creativity and technical excellence on campus.

5.8.18. CULFEST '25

From 17th to 19th January 2025, NIT Jamshedpur hosted Culfest '25, the institute's annual cultural festival celebrating art, music, and talent. The three-day event featured live performances, dance and music competitions, theatrical shows, and interactive activities, drawing enthusiastic participation from students across departments. Culfest '25 provided a vibrant platform for creativity, cultural expression, and campus camaraderie, making it a memorable celebration of talent and festivity for the NIT community.







5.8.19. REPUBLIC DAY

On 26th January 2025, NIT Jamshedpur celebrated Republic Day with patriotic fervor and pride. The event commenced with the hoisting of the national flag by the Director, followed by the singing of the National Anthem. Faculty, staff, and students participated in cultural performances, speeches, and activities that highlighted the values of democracy, unity, and national integrity. The celebration served as a reminder of India's journey as a republic and inspired the NIT community to uphold the principles enshrined in the Constitution.





5.8.20. SARASWATI PUJA

On 2nd February 2025, NIT Jamshedpur celebrated Saraswati Puja, honouring the goddess of knowledge, wisdom, and learning. The event brought together students, faculty, and staff to seek blessings for academic excellence and intellectual growth. Traditional rituals and prayers were performed, and the campus resonated with a spirit of devotion and cultural heritage. The celebration fostered a sense of unity and reverence for education within the NIT community.

5.8.21. OJASS '25

From 14th to 16th February 2025, NIT Jamshedpur hosted OJASS '25, the institute's flagship technical festival showcasing innovation, technology, and engineering talent. The three-day event featured workshops, competitions, exhibitions, and guest lectures, attracting participation from students across the country. OJASS '25 provided a platform for students to demonstrate their technical skills, collaborate on projects, and engage with industry experts, fostering creativity, problem-solving, and a spirit of scientific inquiry within the campus community.




5.8.22. Ramalingam Cup

On 5th and 6th April 2025, NIT Jamshedpur hosted the Ramalingam Cup, a memorial volleyball tournament celebrating sportsmanship and teamwork. Teams from various departments competed enthusiastically, showcasing skill, strategy, and determination on the court. The two-day event honored the legacy of Ramalingam while promoting camaraderie, healthy competition, and the spirit of volleyball among the students, making it a memorable sporting occasion on campus.

5.8.23. Inter Hostel Tournament

From 10th to 20th April 2025, NIT Jamshedpur conducted the Inter-Hostel Tournament, featuring a series of competitive sports and games among the hostels. Students participated in events like cricket, football, volleyball, basketball, and athletics, showcasing talent, teamwork, and sportsmanship. The tournament fostered healthy competition, camaraderie, and hostel spirit, encouraging students to engage actively in physical fitness and campus life while strengthening bonds within the NIT community.





5.8.24. Ambedkar Jayanti

On 14th April 2025, NIT Jamshedpur observed Ambedkar Jayanti to honor the birth anniversary of Dr. B.R. Ambedkar, the architect of the Indian Constitution. The event featured speeches, discussions, and awareness programs highlighting his contributions to social justice, equality, and constitutional values. Students and faculty participated actively, reflecting on the importance of inclusivity, rights, and responsibilities in building a fair and progressive society. The observance reinforced the commitment of the NIT community to uphold Ambedkar's vision and principles.

5.8.25. Silent Candle March

On 24th April 2025, NIT Jamshedpur organized a Silent Candle March in memory of the Pahalgam victims. Students and faculty gathered to pay tribute and express solidarity through a peaceful and solemn march, holding candles to honor the lives lost. The event served as a moment of reflection, compassion, and unity, reinforcing the commitment of the NIT community to empathy, awareness, and social responsibility.





5.8.26. NSS ACTIVITES

Blood Donation Awareness Program & Felicitation of IAS Kumar Rajat (08 August 2024)

NSS NIT Jamshedpur organized a Blood Donation Awareness Program and felicitated alumnus IAS Kumar Rajat, currently Assistant Magistrate, Seraikela-Kharsawan. He shared his inspiring UPSC journey, motivating students. Doctors debunked myths about blood donation, urging everyone to donate and encourage others.





5.8.26.1. Prabhat Pheri – Independence Day Celebration (14 August 2024)

NSS students organized a Prabhat Pheri from hostels to the main gate, raising patriotic slogans. Registrar Colonel N.K. Rai and Prof. Jayendra encouraged participants. The procession promoted unity, independence spirit, and responsible citizenship among students.

5.8.26.2. Cleanliness Drive – Swachhta Pakhwada (07 September 2024)

As part of Swachhta Pakhwada, NSS NIT Jamshedpur organized a campus cleanliness drive. Volunteers, guided by faculty, cleaned areas like UPS Ground, TSG, and Nescafe, segregating waste responsibly. The initiative promoted hygiene, sustainability, and collective responsibility.





5.8.26.3. Eye Check-up Camp (18–20 October 2024)

NSS NIT Jamshedpur, in collaboration with the Institute Health Centre and Purnima Netralaya, organized a two-day free eye check-up camp on 18 and 20 October 2024. Nearly 200 students and faculty participated on the first day. Dignitaries emphasized the importance of eye health, while Purnima Netralaya doctors conducted check-ups and shared preventive tips. The initiative reflected NSS's commitment to community service and health awareness.

5.8.26.4. Clothes Distribution and Awareness Campaign (1st December 2024)

NSS NIT Jamshedpur organized a two-phase clothes distribution and awareness campaign under Dr. Jayendra Kumar's guidance. At Vasco Nagar, over 500 villagers received clothes and snacks, along with awareness sessions on education, corruption, cyber security, and environment. Later, more than 200 families near RIT Thana were supported. The initiative highlighted NSS's commitment to social service, youth responsibility, and community development.

5.8.26.5. Three-Day Program on Sustainable Development (10–12 January 2025)

NSS NIT Jamshedpur organized a sustainability program featuring case study competitions and a seminar by Mr. Himanshu Sheth. Over 100 students participated, focusing on renewable energy, waste management, and eco-friendly innovations, concluding with prize distribution.





5.8.26.6. Blood Donation Camp (26 January 2025)

On Republic Day, NSS NIT Jamshedpur conducted a blood donation camp with Shree Shani Dev Bhakt Mandali and Brahmanand Blood Centre. Around 300 registered, collecting 251 units. Dignitaries praised donors' contributions towards health and humanity.





5.8.26.7. Kashmiri Youth Exchange Program (7 February 2025)

NSS, NCC, and UBA collaborated with Nehru Yuva Kendra to host 130 Kashmiri youth. Students exchanged cultural traditions, fostering national unity. Dignitaries encouraged harmony, concluding with a campus tour and shared reflections on Kashmir and Jharkhand.

5.8.26.8. Mega Blood Donation Camp, AIEDA Campus (23 February 2025)

Shri Shanidev Bhakt Mandali, with NSS NIT Jamshedpur volunteers, organized a mega blood donation camp targeting 1,520 units. Volunteers managed registrations, awareness, and logistics. Medical screenings ensured safety, concluding with refreshments and appreciation for donors.



5.8.26.9. "Jago Grahak Jago" Quiz (18 March 2025)

Celebrating Consumer Rights Day, NSS conducted a quiz on e-commerce and advertisements for first-year students. Multiple rounds tested knowledge and teamwork. Winners received prizes, while the audience engaged, making it both competitive and educational.

5.8.26.10. Cyber Security Awareness Week (12–13 April 2025)

NSS organized cybercrime quizzes, case studies, and a seminar. Nineteen teams analyzed real cyber incidents, presenting preventive strategies. Eminent dignitaries highlighted digital vigilance. The event concluded with awards, empowering students with cyber awareness and responsible practices.





5.8.26.11. World No Tobacco Day (31 May 2025)

NSS hosted quiz and video-making competitions highlighting tobacco's ill effects. Over 40 participants engaged in awareness activities. Winners received certificates, with videos shared online. The event emphasized active participation to inspire social change.

5.8.26.12. World Environment Day (5 June 2025)

NSS organized a plantation drive and released an awareness video. Students planted saplings across locations, submitting photos as proof. The video highlighted nature's elements, inspiring eco-friendly practices. The initiative emphasized individual responsibility for sustainability.





5.9 Observation of Special Events

Hindi Pakhwada

The National Institute of Technology (NIT) Jamshedpur organized Hindi Pakhwada in 14-29 September 2024 with the objective of promoting the use and appreciation of the Hindi language. This event was held in observance of Hindi Diwas, celebrated annually on 14th September, marking the adoption of Hindi as an official language of India in the presence of chief guest, Dr. (Mrs.) Lata Mankar (poet). The Hindi Pakhwada spanned from 14th September 2024 to 29th September 2024, featuring a series of competitions and activities aimed at both students and faculty members. The primary purpose of this event was to foster a greater engagement with the Hindi language among faculty, staffs and students. A variety of competitions and discussions were organized to highlight the cultural and literary significance of Hindi.



5.10. DEPARTMENTAL SOCIETIES/ASSOCIATIONS ACTIVITIES:

5.10.1 Metallurgical and Materials Engineering Societies: TECHNICA'25

The Department of Metallurgical and Materials Engineering at NIT Jamshedpur proudly concluded its flagship annual national symposium, Technica '25, held from March 28th to 30th, 2025. Building on the remarkable legacy of its previous editions, this year's technical fest was a grand success, once again providing a premier platform for students to showcase their ingenuity and expertise. TECHNICA'25 brought together the brightest minds from different IITs, NITs, and other esteemed engineering colleges across the nation. The symposium served as a unique forum, fostering a vibrant exchange of knowledge and promoting innovation among the next generation of materials industry leaders. The three-day event was packed with a dynamic lineup of activities, including Paper and Poster Presentations, where young researchers presented their novel findings. Guest Lectures featuring insightful talks from distinguished academicians and industry stalwarts. Metal Quiz is offering hands-on sessions on the latest technologies in materials engineering.



Competitions are a series of challenging events like technical quizzes, case studies, and design problems that test the participants' skills. Industrial Problem Solving is a unique challenge where teams tackle real-world issues faced by the industry. Continuing the tradition of high enthusiasm and participation, TECHNICA'25 was

a testament to the collaborative spirit and technical prowess of the metallurgical community. The department extends its heartiest congratulations to all the winners and participants for making the event a memorable success. We look forward to welcoming everyone back for an even bigger and better edition next year!

5.10.2 Mechanical Engineering Society

Team Phoenix, the aero design team of National Institute of Technology Jamshedpur, represented the institute successfully at the SAE Aero Design West 2025 in Regular Class held at Van Nuys, California, USA from April 4-6. After a long 5-year gap on the international stage, competing against teams from China, USA, Brazil, Poland among others, the team acquired 6th place in Design, scoring 38.91 points out of 50.



5.10.3 Civil Engineering Society: Vidhaan

VIDHAAN emerges as the gleaming jewel of NIT Jamshedpur which is hosted by the Civil Engineering Society. This three-day extravaganza serves as a vibrant oasis of creativity amidst the academic routine. It provides a remarkable platform for participants to showcase their talents and expertise. It emphasises the crucial link between academia and practical expertise in the field of civil engineering. Bridge between Academia and Practical Expertise: Vidhaan plays a pivotal role in bridging the gap between academic knowledge and practical skills, igniting the passion for civil engineering among participants. It offers a unique opportunity for young talents to engage in activities that showcase their potential.

Vidhaan'25 commenced with a grand inauguration ceremony, setting the stage for three days of technical brilliance and cultural vibrancy. The event witnessed the presence of esteemed faculty, guests, and enthusiastic participants. Inspiring speeches highlighted the vision of fostering innovation and creativity among students. The inaugural lamp lighting symbolized knowledge, growth, and unity. Cultural performances added a vibrant touch, creating an atmosphere of excitement. This marked the beginning of a journey blending learning with celebration

5.10.3.1 Bridge in the Gap:

"Bridge in the Gap" tested participants' structural skills through bridge building using ice cream sticks. The event aimed to turn theoretical concepts of stress, failure, and load into practical applications. Contestants designed bridges with specified dimensions while adhering to restrictions on materials and truss usage. Creativity, strength, and durability determined success. It highlighted the true essence of civil engineering—transforming ideas into tangible structures. The event received enthusiastic participation, displaying innovation and technical precision.





5.10.3.1 Sanrachana:

Sanrachana provided budding engineers with a platform to showcase their building planning and drawing expertise. Participants prepared plans, elevations, and sections while considering IS codes and accessibility standards. The event tested creativity in space utilization, room positioning, and technical accuracy. Special provisions ensured separate problem sets for first-year students. With time constraints, participants displayed efficiency along with technical proficiency. Sanrachana became a celebration of precision, design, and the art of visualizing structures on paper.

Fig. Winners showcasing their robot and the innovative design used in the Robo Soccer competition.

5.10.3.2 Kaushal:

Kaushal was a scientifically designed aptitude test assessing reasoning and problem-solving abilities. Participants attempted 50 questions within 60 minutes under a competitive marking scheme. The event reflected industry-standard aptitude challenges, pushing students to think analytically under pressure. It provided an excellent opportunity for self-evaluation and skill benchmarking. Participants brought laptops to attempt the test in real time, enhancing the professional environment. The winners truly proved their mental sharpness and adaptability.

5.10.3.3 Pratyaksh:

Pratyaksh invited participants to present engineering solutions to real-world social issues through PPT presentations. Students were given problem statements in advance to prepare slides highlighting problems, impacts, and feasible solutions. Presentations were judged on clarity, innovation, and practicality. The event emphasized both technical knowledge and social responsibility. Participants showcased creativity in addressing civic challenges with engineering-driven approaches. Pratyaksh successfully encouraged future engineers to think beyond classrooms and contribute toward sustainable development.

5.10.3.4 Stratethon:

Stratethon was an intense consulting competition designed to test strategy, logic, and analytical abilities. The event included guesstimates, puzzles, mathematical problems, and business case studies. Individual participants demonstrated their problem-solving skills under strict time limits. Emphasis was placed on clarity of approach along with correctness. Fair play was ensured with strict rules against plagiarism or external help. The event gave a real taste of corporate problem-solving and honed participants' decision-making skills..

5.10.3.5 Darpan:

Darpan served as a platform for reflection and creative expression among students. Participants presented their thoughts, talents, and unique perspectives in a structured manner. The event encouraged confidence-building, presentation skills, and originality. It provided an interactive space to bring out individuality while connecting with peers. Students used the opportunity to showcase creativity, knowledge, and expression beyond academics. Darpan added diversity and richness to the technical fest by blending innovation with personal expression.

5.10.3.6 Pragyan:

Pragyan, the quiz event, challenged participants' knowledge across diverse domains. Teams of three competed in prelims, with the best advancing to finals. The questions tested awareness, reasoning, and quick-thinking skills. Competitive energy filled the atmosphere as participants battled for the top spot. The event highlighted teamwork and presence of mind alongside subject knowledge. Pragyan turned into a lively session of curiosity, learning, and fun, making knowledge-sharing engaging and competitive.

5.10.3.7 Chakravyuh:

Chakravyuh was an adventurous treasure-hunt event designed to test problem-solving and teamwork. Participants solved clues across multiple locations, combining strategy with quick decision-making. The challenge required persistence and presence of mind to unlock hidden treasures. Fair play and adherence to rules were strictly monitored. With excitement and thrill, participants experienced the joy of cracking puzzles under pressure. Chakravyuh perfectly blended fun, strategy, and sharp thinking..

5.10.3.8 Dodge It:

Dodge It was a high-energy sporting event that tested reflexes, agility, and team spirit. Finalists faced off in intense rounds, dodging and strategizing for victory. The event added a dose of excitement and entertainment to the fest. Teams displayed coordination, endurance, and enthusiasm, making the atmosphere electrifying. With cheering audiences and thrilling moments, Dodge It stood out as a crowd-puller. It was a refreshing balance between technical events and recreational fun.

5.10.3.9 Vidhaan Nites:

The grand finale, Vidhaan Nites, brought together music, dance, and cultural vibrancy in a spectacular evening. Students showcased artistic performances, filling the air with joy and celebration. It was a perfect closure, blending cultural heritage with modern enthusiasm. The event also provided relaxation after two days of intense technical competitions. With lights, music, and energetic performances, Vidhaan Nites united the entire gathering. It truly reflected the spirit of celebration and togetherness





5.10.4 Society of Production & Industrial Engineering: Prodyog '25

Jamshedpur, Jharkhand – Prepare for a spectacle of innovation as NIT Jamshedpur's Society of Production and Industrial Engineering (SPIE) launches its flagship fest, Prodyog'25, from January 31st to February 2nd 2025. Under the visionary guidance of Prof. Raj Ballav, Head of Department, and Dr. Shubham Tripathi, Vice Chairman, this high-energy event is a crucible for the next generation of tech titans and industry trailblazers. Themed "From the Forge to the Future," Prodyog'25 will feature a thrilling gauntlet of competitions, from the strategic depths of 'Chain Zenith' and 'Mini Shark Tank' to the digital battlegrounds of 'DataHackon' and 'Cyber Rush'. As a vital bridge between academia and industry, this landmark fest promises an unforgettable showcase of talent and groundbreaking ideas. It's where the future of engineering is forged.





5.10.5 Society of Electronics and Communication Engineering

5.10.5.1 Competitive Programming Contest 2024: Date: 31 August 2024

SECE organized an exciting Competitive Programming (CP) Contest aimed at fostering problem-solving skills and promoting a healthy coding culture among students. The contest featured a set of algorithmic challenges designed to test participants' understanding of data structures, logic building, and time complexity optimization.



5.10.5.2 NEXUS 2024: Date: 18 October 2024 – 20 October 2024

Nexus, the annual fest organized by SECE, featured a vibrant mix of events including technical workshops, coding challenges, core electronics competitions, and engaging fun activities. It brought together enthusiastic participants from various domains, fostering innovation, collaboration, and enjoyment, making it a memorable celebration of technology and creativity.



5.10.5.3 Events conducted in NEXUS:

CodeNexus: The ultimate coding showdown; Nexus' Got Latent: A platform to showcase your talent Decoduino: Thrilling challenge for IoT enthusiasts; Jab We Guess: The ultimate guessing showdown Gizmo Hunt: Adventure of code and circuits; Dare 2 Pair: Ultimate test of teamwork and chemistry Robotic Renaissance: Line tracing bot challenge; Perfect Pixel: An exciting photography contest.

5.10.5.4 Intern Diaries: Date: 3 January 2025

SECE hosted *"Intern Diaries: Stories, Strategies, and Success"* on 3rd January 2025, exclusively for 2nd-year ECE students. The session featured seniors sharing their internship experiences, technical interview strategies, and tips for HR rounds. Students gained clarity on preparation techniques and had their queries answered in an interactive Q&A session. It proved to be a highly insightful event, helping attendees take a confident step toward their internship goals.



5.10.5.5 Core and Non-Core Workshop 2025: Date: 11 January 2025

SECE conducted an insightful workshop for first-year students to introduce them to the diverse opportunities in core electronics, software development, and data science. The session aimed to help students gain clarity on various career paths, skillsets required, and industry trends in each domain. It was an excellent initiative to guide students early in their academic journey and encourage them to explore fields aligned with their interests and long-term goals.



5.10.6 Electrical Engineering Society Pravardhan 2024 during 22-24/11/2024.

5.10.6.1 Electrohack:

An event that encourages students to solve real-world problems is a great way to foster innovation and practical problem-solving skills.

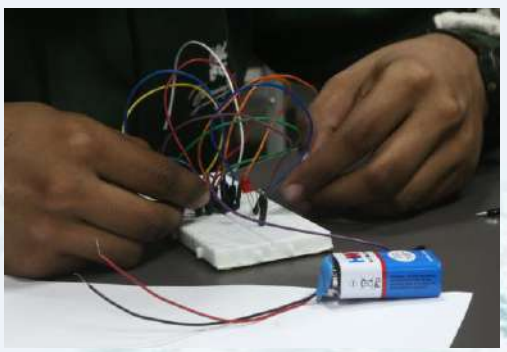
By focusing on real-world problems, this event not only enhances students' problem-solving and innovation skills but also helps them understand the practical application of their ideas and solutions.



5.10.6.2 Electro-Spection:

Designing electrical circuits is fundamental to understanding power generation and electronic systems. An event focused on creating circuits on a breadboard is a fantastic hands-on opportunity for students to learn about circuit design and practical electronics.





By participating in a circuit designing event on a breadboard, you gain practical experience in creating and troubleshooting electrical circuits. This hands-on experience is invaluable for understanding the principles of electronics and power systems. By participating in a circuit designing event on a breadboard, you gain practical experience in creating and troubleshooting electrical circuits. This hands-on experience is invaluable for understanding the principles of electronics and power systems.

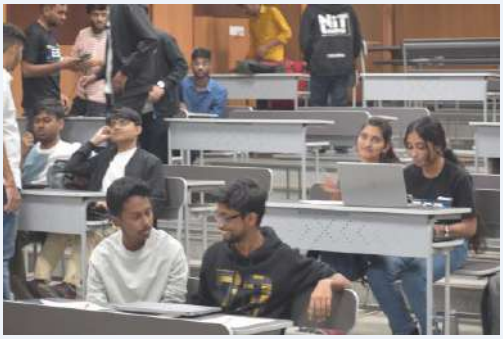
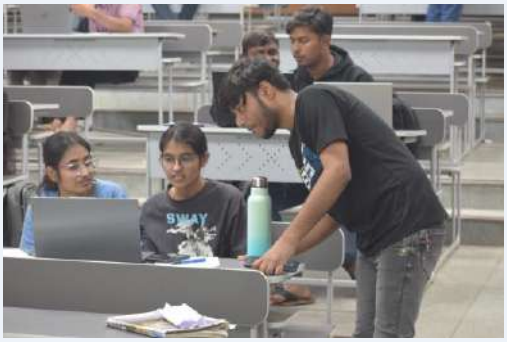
5.10.6.3 Matlink:

MATLAB (Matrix Laboratory) is a high-level programming language and interactive platform created by MathWorks, widely used for numerical computation, data analysis, and algorithm design. Participating in MATLAB competitions helps improve problem-solving abilities, provides networking opportunities, and can lead to recognition or career advancement.




5.10.6.4 Codeclash:

Competitive programming is an effective way to enhance problem-solving abilities and strengthen knowledge of algorithms and data structures. Such events challenge participants to code efficiently, think critically, and tackle complex problems within time limits, serving as a valuable platform for advancing programming skills.

5.10.6.5 Abhyas:

ABHYAS is a mock placement drive designed to prepare students for their future recruitment processes. It simulates real-world placement scenarios, including aptitude tests, group discussions, and personal interviews, enabling participants to gain firsthand experience, identify improvement areas, and build confidence for actual placements.




5.10.6.6 Navriti:

Paper presentation is an important skill in academic and research fields, requiring both the development of ideas and the ability to convey them clearly and persuasively. Excelling in this art combines thorough research, strong communication skills, and the capacity to engage and inform an audience effectively.

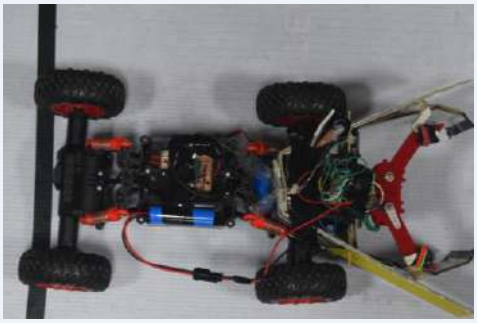




5.10.6.7 Robo Soccer:

ROBO SOCCER is a thrilling robotics competition where participants design, build, and program robots to compete in an action-packed soccer match. The event challenges students to apply technical knowledge, creativity, and teamwork as they navigate their robots through strategic gameplay, blending engineering with the excitement of sport.





5.10.6.8 Fun Events: Bgmi, Treasure Hunt, Cultural Perfgormances

Alongside the technical competitions, Pravardhan features fun and recreational events like BGMI tournaments, treasure hunts, and vibrant cultural performances. These activities give students a chance to relax, bond, and showcase talents outside the academic realm. They add color, excitement, and inclusivity to the overall experience of Pravardhan.





5.10.6.9 Environment Day Date: 05-06-2025

On World Environment Day (5th June), the Electrical Engineering Society (EES) organized a plantation drive under the guidance of the Head of the Department (EED), with support from faculty and student coordinators. Centered around the theme "Green Today, Greener Tomorrow", the event saw active participation from students and faculty in planting saplings around the department, fostering environmental awareness and sustainable practices. EES thanks all contributors for their efforts towards a cleaner, greener campus.



5.11 Unnat Bharat Abhiyan

• Inauguration of Archery Centre at Pindrabeda Village

On 31 July 2024, Team UBA, NIT Jamshedpur, along with Mr. Satyanarayan Nanda (CSR, Tata Steel, Gamharia), inaugurated an Archery Centre at Pindrabeda Village. The initiative, started a year earlier after identifying local archery talent, aimed to nurture and develop the villagers' skills through training and coaching. The event was graced by Dr. Goutam Sutradhar (Director, NIT Jamshedpur), Dr. Ranjeet Prasad, Ms. Kanika Prasad (UBA Head), and student coordinators Sagnik and Priyanshu. The programme fostered sportsmanship, health, and community spirit among villagers.

• "Ek Ped Maa Ke Naam" Plantation Drive

On 17 August 2024, the Regional Coordinating Institute (RCI) and Participating Institute (PI) of UBA, NIT Jamshedpur, organized a plantation drive on campus as part of the nationwide campaign "Ek Ped Maa Ke Naam" launched by the Government of India. The event, guided by Dr. Kanika Prasad (PI Coordinator, UBA) and supported by faculty members and volunteers, aimed to promote environmental responsibility and respect for Mother Earth.





• **Awareness Programme on "Single-Use Plastic"**
On 12 September 2024, UBA NIT Jamshedpur, in collaboration with the Go-Green Club (HEC) and NSS, conducted an awareness programme at Pindrabeda Village under the Swachhata Pakhwada initiative. The session educated villagers about the harmful effects of single-use plastics on the environment, wildlife, and human health. Key participants included Dr. Shakti Prasad, Dr. Kanika Prasad, Dr. Navin Kumar Veldurthi, and Mr. Nigam Prakash (Chief, HEC).

• **Kashmiri Youth Exchange Programme**
On 07 February 2025, NIT Jamshedpur, in association with Nehru Yuva Kendra, NSS, NCC, and UBA, hosted the Kashmiri Youth Exchange Programme, welcoming 132 youth participants from six districts of Kashmir. The event promoted national integration and cultural exchange under the banner of "Ek Bharat, Shreshtha Bharat." Participants showcased Kashmiri and Jharkhandi traditions, strengthening unity and mutual understanding.

• **Orientation Workshop for Institutional Coordinators**
On 11 February 2025, the Regional Coordinating Institute (RCI) for UBA at NIT Jamshedpur organized an orientation workshop for institutional coordinators across Jharkhand. The session, graced by Professor Kanika Prasad, aimed to familiarize participants with UBA's objectives, structure, and role in driving education, technology adoption, and rural development.

• **Induction Programme for New UBA Members**
On 24 February 2025, the Induction Programme for the new batch of UBA student members was held at NIT Jamshedpur. The event saw enthusiastic participation from students eager to engage in community and rural development activities. Sessions introduced UBA's mission, vision, and goals, motivating students to contribute actively in the coming year.

Project Title: Development of an Integrated Tool for Analysing Performance of Government Programs
Project Number: RP-03525G
Project Investigator: Dr. Kanika Prasad, Assistant Professor, Department of Production and Industrial Engineering, National Institute of Technology Jamshedpur
Sponsoring Body: Unnat Bharat Abhiyan, Indian Institute of Technology Delhi
As part of an SEG project under the Technology Customisation of Unnat Bharat Abhiyan , NIT Jamshedpur developed an innovative tool combining the Balanced Scorecard (BSC) and Quality Function Deployment (QFD) to evaluate government social schemes more effectively. Led by Dr. Kanika Prasad (Department of Production & Industrial Engineering), the project was applied to the Pradhan Mantri Awas Yojana (PMAY) in Pindrabera village, with data collected through surveys and interactive sessions. The tool revealed a positive performance trend, with PMAY's score improving from 100 (2022-23) to 107.53 (2023-24), highlighting strengths in coverage, satisfaction, and innovation while pointing out areas like budget utilization needing improvement. This approach empowers policymakers to design more transparent, efficient, and community-centric programs.

5.12. GoGreen Club

5.12.1 Plastic Recycling Campaign by GoGreen Club, NIT Jamshedpur

As part of its regular Plastic Recycling Campaign, the *GoGreen Club* of NIT Jamshedpur, with the active support of *HKGC staff*, collected 19 kilograms of recyclable plastics from the specially designed steel bins installed across the campus. Additionally, the *National Service Scheme (NSS)* team organized a cleanliness drive and collected 7 kilograms of recyclable plastics, which were handed over to the GoGreen Club for recycling.

A total of 26 kilograms of recyclable plastics were submitted to the RRR (Reduce, Reuse, Recycle) Center, an initiative by *Tata Steel Utilities and Infrastructure Services Ltd.* With this, the cumulative recyclable plastic contribution from NIT Jamshedpur reached 281 kilograms to date.

The campaign continues to strengthen the Institute's commitment to environmental conservation and circular economy principles.









5.12.2 All India Radio Interview on Plastic Pollution and Sustainability

In recognition of NIT Jamshedpur's sustained environmental initiatives, Dr. Naveen Kumar Veldurthi, *Faculty Coordinator, GoGreen Club*, was invited for an interview on Akashvani – All India Radio, Jamshedpur (FM 101.8 MHz). The broadcast aired on April 7, 2025, at 7:10 AM, and was hosted by Mr. Rajiv Tiwari, Senior Presenter, All India Radio.

During the conversation, Dr. Naveen Kumar discussed:

- The growing dangers of microplastics and single-use plastic pollution.
- The GoGreen Club's campus initiatives for responsible plastic management.
- The core philosophy of RRR – Reduce, Reuse, Recycle.
- The importance of behavioural change for adopting a plastic-free and sustainable lifestyle.

The program concluded with a message that encapsulates the spirit of the campaign:
"Sustainability is the new style."

The feature on a national public broadcasting platform provided a valuable opportunity to highlight NIT Jamshedpur's proactive role in promoting sustainability and environmental responsibility within and beyond the campus community.



5.13 List of MOUs with Other Organizations during 2024-25

1. IIT Bhilai
2. IIT Jodhpur
3. IIM Visakhapatnam
4. Srinath University, Jamshedpur
5. IIT BHU, Varanasi
6. Ramgarh Engineering College
7. SAC ISRO Ahmedabad
8. Jalpaiguri Govt. Engineering College
9. Himalaya Enterprises
10. Jharkhand Rai University, Ranchi
11. ARKA JAIN University, Jharkhand
12. LAM Research PVT Limited , Bangalore

5.14 News Clips



एनआईटी के मेटलर्जी एंड मैटेरियल इंजीनियरिंग विभाग में प्रशिक्षण-सह-राष्ट्रीय स्तर का कार्यशाला आयोजित

झारखंड प्रहरी



एनआईटी जमशेदपुर में कश्मीरी युवा आदान-प्रदान कार्यक्रम का भव्य आयोजन, राष्ट्रगान और कैंपस टूर के साथ हुआ समापन

झारखंड प्रहरी से

कश्मीरी युवाओं ने झारखंड की संस्कृति को जाना और साझा की अपनी संस्कृति, धरती का स्वर्ग कश्मीर की सराहना



महिलाओं की उपलब्धि और समानता की दिशा में कार्रवाई को एनआईटी में कार्यशाला

- एनआईटीजेएम, एनआईटी जमशेदपुर एवं आईसीसी द्वारा आयोजित पांच दिवसीय कार्यशाला संपन्न

प्रभात मंच संवाददाता



उपलब्धि कंप्यूटर साइंस की छात्रा को यूएस की कंपनी रुब्रिक में मिला प्लेसमेंट

एनआईटी जमशेदपुर की सृष्टि चिरानिया को 1.23 करोड़ का पैकेज

- एनआईटीजेएम से इस छात्रा को 82 लाख रुपये प्रतिवर्ष पैकेज पर मिला जॉब
- संस्थान में इस वर्ष 93.76 फीसदी छात्रों का हुआ नियोजन संपन्न

CHAPTER-06 | THE STAFF

6.1 LIST OF OFFICERS

S. N.	NAME OF THE EMPLOYEES	DESIGNATION	DEPARTMENT
1.	Coln (Dr.) N. K. Rai	Registrar	Admin
2.	Mr. Deepak Kumar	Engineer	P&D
3.	Dr. Syed Azmat Hussain	Dy. Registrar	R&C
4.	Mr. Sunil Kumar Bhagat	Assistant Registrar	ESS/F&A
5.	Dr. (Mrs.) Neeta Bharti	Asst. Librarian	LIB
6.	Mr. Ram Pravesh Prasad	Assistant Registrar	ACD
7.	Mr. Rupak Kumar	Sr. Technical Officer	DPIE
8.	Mr. Anup Chhabi Topno	Technical Officer	DPIE
9.	Mr. Munesh Kumar	Dy Librarian	LIB
10.	Dr. Abhay Kumar	Medical Officer	IHC
11.	Mr. Sukanta Pallab Roy	Sup. Engineer	P&D
12.	Mr. Nishanth Sinha	Assistant Registrar	On Lien

6.2 LIST OF GROUP B

S. N.	NAME OF THE EMPLOYEES	DESIGNATION	DEPARTMENT
1	Gopal Jee Ram	Senior Superintendent	Director's Secreteriat
2	Sudhir Kumar Sinha	Technical Assistant SG-II	Computer Science & Engineering
3	Shailesh Kumar	Assistant SG-I	Department of Chemistry
4	Tarkeshwar Kumar	Assistant SG-I	Computer Centre
5	Sanjoy Kumar Chatterjee	Assistant SG-I	Deputy Director's Office
6	Dashrath Singh	Assistant SG-I	Academic
7	Naval Kishor	Technical Assistant	Civil Engineering
8	Bali Ram Kumar	Technician SG-I	HKGC
9	Nand Kishore Jha	Senior Superintendent	Finance & Accounts
10	Saikat Mridha	Senior Superintendent	Finance and Accounts
11	Ravi Ranjan	Technical Assistant	Computer Centre
12	Ganga Ram Mandal	Technical Assistant	Mechanical
13	Suraj Kushwaha	Technical Assistant	Civil Engineering
14	Girija Nandan Arka	Technical Assistant	Production & Industrial Engineering
15	Kunjan Kumar	Technical Assistant	Metullary & Material
16	Md Sazzad	Technical Assistant	Electrical Engineering
17	Chandan Kumar Rahtey	Technical Assistant	Physics
18	Rahul Mishra	Technical Assistant	Mechanical
19	Lokanath Mohanty	Technical Assistant	Metullary & Material
20	Biplab Koley	Technical Assistant	Chemistry
21	Reyan Akhtar	Technical Assistant	Electronics & Communication
22	Rahul Kumar	Junior Engineer (Civil)	P&D
23	Angshuman Santra	Junior Engineer (Electrical)	P&D

24	Ahmed Shahnawaz	Junior Engineer (Electrical)	P&D
25	Provat Kr Roy	SAS Assistant	Dean (S&W)
26	Prabhanshu Kumar	Superintendent	Store & Purchase
27	Sumit Kumar Pandey	Superintendent	Establishment Section
28	Rahul Kumar	Superintendent	Director's Secreteriat

6.3 LIST OF GROUP C STAFF

S. N.	NAME OF THE EMPLOYEES	DESIGNATION	DEPARTMENT
1	Sury Narayan Yadaw	Assistant SG-II	HKGC
2	Arjun Kumar Singh	Assistant SG-II	Dean (S&W)
3	Raj Kumar Baitha	Assistant SG-II	Establishment Section
4	Bipin Kumar Sinha	Assistant SG-II	Mathematics
5	Satydeo Kumar Singh	Technician SG-II	Production and Industrial Engineering
6	Ravindra Prasad	Technician SG-II	Vehicle Section
7	Sanjay Kumar Sinha	Technician SG-II	Vehicle Section
8	Sudhanshu Shekhar	Assistant SG-II	Academic
9	Anil Kumar	Assistant SG-II	Institute Health Centre
10	Ashutosh Ranjan	Assistant SG-II	Academic
11	Raj Kumar Pramanik	Assistant SG-II	Planning & Development
12	Gupteshwar Prasad	Technician SG-II	Production and Industrial Engineering
13	Sushil Kumar Gupta	Assistant SG-II	Training and Placement
14	Boby Banerjee	Assistant SG-II	Chief Warden Office
15	Kamesh Prasad Singh	Technician SG-II	Vehicle Section
16	Sanjeev Kumar	Technician SG-II	Electrical Engineering
17	Prashant Kumar Mal	Technician SG-II	Store & Purchase
18	Sanjay Kumar	Technician SG-II	Mechanical Engineering
19	Kanak Kumari	Senior Assistant	Electrical Engineering
20	Ujjawal Pathak	Senior Technician	Metullary & Material
21	Arnab Hati	Senior Technician	Civil Engineering
22	Vibhas Kumar Sinha	Senior Technician	Mathematics
23	Sourav Garai	Senior Technician	Mechanical Engineering
24	Manish Kant	Senior Technician	Production & Industrial Engineering
25	Ramesh Kumar Rathour	Senior Technician	Computer Centre (Samarth)
26	Chandra Bhanu	Senior Technician	Electronics & Communication
27	Aditya Dhanraj	Technician	Mechanical Engineering
28	Aniket Samanta	Technician	Electrical Engineering
29	Ujjwal Panigrahi	Technician	Electrical Engineering
30	Ravikar Kumar	Technician	Production & Industrial Engineering
31	Sumit Sehgal	Technician	Physics
32	Preety Manonit Dodray	Technician	Computer Science and Engineering
33	Debashis Dash	Technician	Computer Science and Engineering
34	Abhishek Yadav	Technician	Computer Centre

35	Himanshu Kumar	Technician	Metullary & Material
36	Sikandar Kumar Sah	Technician	Electronics & Communication Engg.
37	Shashikanta Behera	Technician	Metullary & Material
38	Govind Mandi	Technician	Production & Industrial Engineering
39	Ravi Shankar Kumar	Technician	Mechanical Engineering
40	Subhash Kumar	Junior Assistant	R & C
41	Navanit Ranjan Sahoo	Junior Assistant	Establishment Section
42	Vishal Kumar	Senior Assistant	Establishment Section
43	Sanjeev Kumar Mahli	Senior Assistant	Store & Purchase
44	Sujoy Samui	Senior Assistant	Academic
45	Rajarshi Bhadra	Junior Assistant	Planning & Development
46	Rohit Ranjan Bharti	Senior Assistant	Director's Secreteriat
47	Aakash	Senior Assistant	R & C
48	Gautam Kumar	Junior Assistant	Academic
49	Debajyoti Bhattacharya	Senior Technician	Chemistry
50	Ashutosh Singh	Junior Assistant	Finance & Accounts
51	Adeyswar Laya	Senior Technician	Production & Industrial Engineering
52	Anurudh Kumar	Junior Assistant	Dean (S&W)
53	Sankar Kumar	Technician	Computer Centre
54	Bonathu Suman	Technician	Computer Centre
55	Dheeraj Kumar Gond	Technician	Civil Engineering
56	Surendra Baskey	Junior Assistant	Establishment Section
57	Amit Kumar Gope	Junior Assistant	Establishment Section
58	Suman Chakma	Junior Assistant	Establishment Section
59	Vikash Kumar Meena	Junior Assistant	Security Control Unit
60	Ashish Tirkey	Technician	Civil Engineering
61	Abinash Swain	Senior Assistant	Dean (S&W)

6.4 LIST OF EMPLOYEE ON CONTRACT

S. N.	NAME OF THE EMPLOYEES	DESIGNATION	DEPARTMENT
1.	Mr. Rakesh Kumar Sinha	Internal Auditor	Finance & Accounts Section
2.	Dr. Ajay Kumar	Internal Auditor	Finance & Accounts Section
3.	Mr. Syed Fazle Rahman	Internal Auditor	Finance & Accounts Section
4.	Mr. Anirudh Sanyal	Ex-Sr. Stenographer	Director's Secretariat
5.	Mr. Ashok Kr Sahu	Ex- Technician SG-I	Vehicle Section
6.	Dr. Keshav Raj Shukla	Medical Officer	Institute Health Centre
7.	Dr. Ranjita Bhue	Medical Officer	Institute Health Centre

6.5 LIST OF MTS

S. N.	NAME OF THE EMPLOYEES	DESIGNATION	DEPARTMENT
1.	Mr. Raghunath Mukhi	Attendant	Academic Section
2.	Mr. Dharmendra Mardi	Care Taker	Academic Section
3.	Mr. Ruhi Manjhi	Attendant	Academic Section
4.	Mr. Sunil Gour	Attendant	Academic Section
5.	Mrs. Sachini Devi	Care Taker	Humanities, Social Science & Management (HSSM)

6.	Mr. Krishna Mukhi	Care Taker SG-II	Chief Warden
7.	Mr. Akhil Pradhan	Security Guard	Chief Warden
8.	Mr. Bideshi Mukhi-I	Care Taker	Chief Warden
9.	Mr. Kisto Manjhi	Security Guard	Chief Warden
10.	Mr. Mahesh Mukhi	Care Taker	Chief Warden
11.	Mr. Dayamay Prajapati	Security Guard	Chief Warden
12.	Mr. Bideshi Mukhi-II	Care Taker	Chief Warden
13.	Mrs. Sugga Devi	Attendant	Chief Warden
14.	Mr. Ravi Mukhi-II	Care Taker	Chief Warden
15.	Mrs. Saraswati Mukhi	Care Taker	Chief Warden
16.	Mr. Basu Gour	Attendant	Computer Centre
17.	Mr. Sandeep Kumar	Attendant	Computer Centre
18.	Mr. Santosh Sardar	Attendant	Computer Centre
19.	Mr. Aditya Mahali	Attendant	Civil Engineering.
20.	Mr. Ramesh Mukhi	Care Taker SG-II	Computer Science & Engineering
21.	Mr. Anand Pradhan	Attendant	Registrar Office
22.	Mrs. Sumitra Pradhan	Attendant	Dean (R&C), Dean (SW), Chief Warden Office, Dean (I&AR)
23.	Mr. Charan Gorai	Attendant	Director Secretariat
24.	Mr. Nitish Das	Security Guard	Director Secretariat
25.	Mr. Bhaskar Pradhan	Attendant	Director Secretariat
26.	Mr. Mangal Mukhi	Care Taker	Electrical Engineering
27.	Mr. Bankey Mishra	Attendant	Electrical Maintenance Unit
28.	Mr. Suresh Prasad	Attendant	Electrical Maintenance Unit
29.	Mr. Makhan Lal	Attendant	Electronics & Communication Engineering
30.	Mr. Anup Kumar Mahato	Senior Attendant	Establishment Section
31.	Mr. Bharat Singh	Attendant	Establishment Section
32.	Mr. Jyotilal Singh	Attendant	Establishment Section
33.	Mr. Chhote Lal Soren	Senior Attendant	Establishment Section
34.	Mr. Vijay Pratap Mahato	Attendant	Finance & Account
35.	Mr. Janmejay Sardar	Security Guard	Finance & Accounts
36.	Mr. Giri Pradhan	Attendant	Finance & Accounts
37.	Mr. Bihari Mukhi	Care Taker	House Keeping & Green Campus
38.	Mr. Hagru Mukhi	Care Taker SG-II	House Keeping & Green Campus
39.	Mr. Rabi Mukhi-I	Care Taker	House Keeping & Green Campus
40.	Mrs. Devi Mukhi	Care Taker	House Keeping & Green Campus
41.	Mrs. Shanti Mukhi	Care Taker	Chief Warden
42.	Mr. Basant Mukhi	Care Taker	House Keeping & Green Campus
43.	Mr. Kamal Kant Das	Security Guard	Institute Guest House
44.	Mr. Sarbeshwar Mukhi	Attendant	Institute Guest House
45.	Mrs. Kanchan Devi	Care Taker	Institute Health Centre
46.	Mr. Moti Lal Gour	Security Guard	Institute Health Centre
47.	Mr. Ravi Mahto	Attendant SG-II	Library
48.	Mr. Ramesh Ram	Security Guard	Library
49.	Mr. Ganesh Shrestha	Care Taker	Academic Section
50.	Mr. Bir Prasad Mukhi	Care Taker SG-II	Chemistry
51.	Mr. Arjun Mukhi	Care Taker	Mechanical Engineering
52.	Mr. Suresh Pradhan	Attendant	Mechanical Engineering
53.	Mr. Kameshwar Roy	Attendant	Metallurgical & Materials Engineering
54.	Mr. Mihir Ch. Pradhan	Security Guard	Physics
55.	Mr. Khokha Ram Mahato	Care Taker	Planning & Development
56.	Mr. Ram Awadh Ram	Attendant	Planning & Development
57.	Mr. Pulin Kr. Dutta	Attendant	Production & Industrial Engineering
58.	Mr. Dilip Mahali	Attendant	Production & Industrial Engineering
59.	Mr. Manoj Kumar Jha	Attendant	Registrar Office
60.	Mr. Bablu Sardar	Attendant	Registrar Office
61.	Mr. Chandra Mohan Mukhi	Attendant	Registrar Office
62.	Mr. Jouhari Sahani	Security Guard	Security Control unit
63.	Mr. Suraj Kumar	Security Guard	Security Control unit
64.	Mr. Mathura Sardar	Security Guard	Security Control Unit
65.	Mr. Awadhesh Rajak	Attendant	Security Control unit
66.	Mr. Tapan Mahato	Security Guard	Security Control unit

67.	Mr. Fantu	Attendant	Sport Activity Section
68.	Mr. Matbar Sardar	Security Guard	Store & Purchase
69.	Mr. Prabhat Kumar	Attendant	Student Welfare
70.	Mr. Bhola Prasad Yadav	Senior Security Guard	Training & Placement
71.	Mr. Bahadur Mahato	Attendant	Transport Section
72.	Mr. Lakshman Kr. Singh	Care Taker	Transport Section
73.	Mr. Guruva Mukhi	Attendant	Transport Section

6.6 LIST OF EMPLOYEES ADDITIONAL CHARGE

S. N.	NAME OF THE EMPLOYEES	DESIGNATION	DEPARTMENT
1.	Mr. Sunil Kumar Bhagat	Assistant Registrar (I/C)	Finance & Accounts Section
		Public Relation Officer	PRO
2.	Mr. Nand Kishore Jha	Assistant Registrar (I/C)	Stores & Purchase Section



Members of Publication Cell 2024-25

Standing (Left to Right)

Mr. Shashikanta Behera, Mr. Navneet Ranjan Sahoo,
Dr. Binay Kumar, Dr Vishesh Ranjan Kar, Dr. Gopa Bhaumik,
Dr Susmita Datta, Dr. Neha Jaiswal, Dr. Sourav Das, Dr. Ravi Bhushan,
Dr. Ajay Kumar, Dr. Somenath Mondal, Dr. Prabhat Kumar

Sitting (Left to Right)

Prof. R. V. Sharma (Dy. Director),
Prof. Goutam Sutradhar (Director),
Prof. Ashok Kumar (Chairman, Publication cell, Annual report) &
Prof. Saroj Kumar Sarangi, Registrar (I/C)

No. PDAC-LKO/SAR-NIT JSR/2024-25/- 106 Dated: 19. 01.2026

Indian Audit & Accounts Department
Office of the Principal Director of Audit (Central), Lucknow
Branch Office: Ranchi, Jharkhand, PAG Office Main Building, 5th floor, Doranda, Ranchi-834 002

The Director,
National Institute of Technology (NIT),
Jamshedpur

Subject: Separate Audit Report on the accounts of National Institute of Technology (NIT), Jamshedpur for the Year 2024-25.

Sir,

I enclose a Separate Audit Report (SAR) on the Annual Accounts of National Institute of Technology (NIT), Jamshedpur for the year 2024-25 for information and necessary action.

2. A copy of Separate Audit Report is also being sent to the Secretary to the Government of India, Ministry of Education, New Delhi for information and necessary action.
3. The audited Annual Accounts, Audit Report should be duly considered and adopted by the Governing Body (BOG) of the NIT, Jamshedpur in the Annual General Meeting before these are laid in the House of parliament.
4. A copy of (i) Resolution of Governing Body adopting the Audit Report with audited Annual Accounts, (ii) Date of its presentation before the House of Parliament and (iii) Annual Report of the Institute may be furnished to this office in due course for our records and onward transmission to the Comptroller and Auditor General of India, New Delhi.
5. The Hindi version of this SAR may be furnished to this office within oneweek.
6. The receipt of this letter with enclosures may please beacknowledged.

Yours faithfully

Digitally signed by Sanjay Kumar
Date: 08-01-2026

Encl: - As above.

Principal Director of Audit (Central), Lucknow

Opinion of the Comptroller & Auditor General of India on the Accounts of National Institute of Technology, Jamshedpur for the year ended 31 March 2025

Opinion

We have audited the financial statements of National Institute of Technology (NIT), Jamshedpur which comprise the statement of financial position as at 31 March 2025 and the Income & Expenditure Account/Receipts & Payment Account for the year then ended, and notes to the financial statements, including a summary of significant accounting policies under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section- 23 of the National Institute of Technology Act 2007.

This 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, disclosure norms, etc. Audit observations on financial transactions regarding compliance with the Law, Rules and Regulations (Propriety & Regularity) and efficiency cum performance aspects, etc., if any, are reported through inspection reports/ CAG's audit reports separately

In our opinion, the accompanying financial statements of NIT, Jamshedpur, read together with the accounting policies and Notes thereon and other matters mentioned in the Separate Audit Report, which follows, **give a true and fair view** of the financial position of the autonomous body as at March 31, 2025, and its financial performance and its cash flows for the year then ended in accordance with uniform format of accounts prescribed by Ministry of Education for Higher Educational Institutions.

Basis for Opinion

We conducted our audit in accordance with CAG's auditing regulations/standards/manuals/guidelines/guidance-notes/orders/circulars etc. Our responsibilities are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the autonomous body

in accordance with ethical requirements that are relevant to our audit of the financial statements, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management for the financial statements

The Management of the NIT, Jamshedpur, is responsible for the preparation and fair presentation of the financial statements in accordance with uniform format of accounts prescribed by Ministry of Education for Higher Educational Institutions, and for internal control as management determines it necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion in accordance with CAG's auditing regulations /standards/ manuals/ guidelines/ guidance-notes/ orders/ circulars etc.

For and on behalf of the CAG of India

Place: Ranchi
Date: 19.01.2026

Principal Director of Audit (Lucknow)

Separate Audit Report on the Accounts of National Institute of Technology (NIT), Jamshedpur

A. Balance Sheet

A.1 Current Liability-₹ 92.70 crore

A.1.1 As per Schedule-8, the Institute had an advance of ₹ 10.38 crore under the head Capital at the beginning of the year. During the year the Institute received a grant of ₹ 26.47 crore under the head capital. Thus, the total fund available with the institute was ₹36.85 crore. During the year the Institute incurred capital expenditure amounting to ₹ 17.50 crore *(excluding advance of ₹ 16.22 crore given to CPWD)*. As such, the Institute was required to exhibit ₹ 19.35 *(₹ 36.85- ₹ 17.50)* crore as refundable to the Ministry at the end of the year. Further, as on 31.3.25 there are advances of Rs.16.22 crore, however advances of Rs.13.27 has been shown and Rs.2.95 has been accounted in Capital Work in Progress.

The irregular treatment resulted in an understatement of current liabilities under the head unutilized grant refundable to the ministry and an overstatement of the capital fund by ₹ 19.35 crore. Also, CWIP is overstated, and Loans and Advances are understated by Rs. 2.95 crore) Although, this fact has been continuously reported in previous SARs, yet reconciliation has not been done.

A.1.2 As per Schedule-8, the Institute had given advances on revenue grant of ₹ 3.14 crore under the head revenue at the beginning of the year. Advance paid during the year ₹2.01 crore. Thus, the total revenue advance available was ₹ 5.15 crore. Out of which the Institute adjusted ₹ 1.39 crore during the year. As such the Institute was required to exhibit ₹ 3.76 crore as an unutilized grant refundable to the Ministry. This resulted in an understatement of current liabilities and overstatement of the capital fund by ₹ 3.76 crore. NIT, Jamshedpur has been reported continuously in this regard, yet no reconciliation was done.

B. Income and Expenditure Account

B.1 Income from Investment (SCH-11) ₹22.83 crore

B.1.1 As per guidelines of financial statements for the Central Higher Educational Institutions Autonomous Bodies Interest on Term Deposit are to be booked under Interest

Earned (Schedule-12). Scrutiny revealed that the Institute booked Interest on Term Deposit amounting to ₹22.25 crore during the year 2024-25 in Income from Investments (Schedule-11) instead of Interest Earned (Schedule-12). This leads to understatement of Interest Earned by ₹22.25 crore and overstatement of Income from Investments by the same amount. The matter was also reported in previous SAR; however, the Institute is yet to comply the same.

C. General

C.1 As per Schedule-8- Loans, Advance & Deposits, advances amounting to ₹ 4.01 crores (₹2.82 crores out of Capital Fund and ₹1.19 crore out of Revenue Fund) given to supplier agencies and Staff had been lying outstanding for period more than one year.

The Institute could adjust the old and pending advances to the tune of only ₹ 0.09 crore (Capital ₹ 0.09 crore and Revenue ₹ Nil.) It should put in efforts to realise/adjust the outstanding advances.

C.2 During scrutiny of Annual Accounts of NIT, Jamshedpur for the F.Y.2024-25, it was noticed that as per schedule-7 (other receivables), dues amounting to ₹97.33 lakh is outstanding against IIIT, Ranchi.

Further, as per Schedule-7 (sundry debtors) of Annual Accounts of IIIT, Ranchi, dues amounting to ₹15.36 lakh is outstanding against NIT, Jamshedpur.

Thus, both NIT Jamshedpur & IIIT Ranchi are reflecting each other as debtor in their Annual Accounts. Hence, matter may be examined and necessary action for adjustment of outstanding dues as mentioned above may be done.

C.3 Scrutiny of Bank Reconciliation Statement revealed that of ₹8.64 crore was received through various instruments/sources during April 1995 to March 2025 which were debited in Cash/Bank Books were not credited in Bank till audit. The same needs to be reconciled. On being pointed out during audit, it was stated by the auditee unit that there was insufficient fund available. Therefore, the committed payments were made through IRG A/c no 33117999641. Further, reconciliation revealed that NIT made payment from its IRG accounts to various venders and towards NPS contributions, as reflected in transactions carried out through A/c No – 10678399349. The differences in the bank A/c No-34620592283 (SBI Education Loan) is ₹5,07,380/- is pending for last 20 years. Required reconciliation/ adjustment may be done. The matter was also reported in previous SAR,

however, the Institute is yet to comply the same.

C.4 As per the uniform format for Central Higher Educational Institutions, provision for liability towards gratuity payable on death/retirement of employees, leave encashment and pension need to be accounted for on an actuarial basis, and provided up to the year-end. Actuarial valuation as of 31st March is to be conducted every year.

On scrutiny of the Annual Accounts of the National Institute of Technology (NIT) for the Year 2024-25 Schedule-15- Staff Payment & Benefits (Establishment Expenses), it was noticed that the Institute had made provision for pension on a cash basis instead of actuarial valuation which is not in line with AS-15 and Uniform Format of Accounts. The matter was also reported in previous SAR, however, the Institute is yet to comply the same.

C.5 As per Form 26 AS (Annual Tax Statement) for the year 2024-25, it was observed that total amount of TDS was ₹ 36.25 lakh whereas in the Annual Account under the head Loans Advances & other Current Assets ₹79.97 lakh has been booked in the accounts. The differences need to be reconciled. The matter was also reported in previous SAR; however, the Institute is yet to comply the same.

D. Management Letter

Deficiencies which have not been included in this Draft Separate Audit Report have been brought to the notice of the Management through a Management Letter issued separately for remedial/corrective action.

E. Assessment of Internal Controls

(i) Adequacy of Internal Control System:

During the course of audit of NIT, Jamshedpur, we noticed that The Internal Control System reflects following deficiencies.

a) The Institute created capital assets from its own IRG and after that recouped from Grant.

b) The Institute does not have its own Accounting Manual and Office Procedure Manual.

(ii) Adequacy of Internal Audit System:

During the course of audit, we noticed the following:

The internal audit reflected deficiencies in following area:

a. The Internal Audit (IA) section has three officers as Internal audit Officer.

b. IA is inadequate keeping in view the size of the autonomous body.

c. The wing conducts audit of annual accounts and other basic records maintained in the institute. No Audit Report is submitted to the management.

d. Acts as pre-audit as it is confined to pre check of purchase files, work files, pay fixation, terminal benefits and other bills.

e. Internal Audit Manual has been prepared by the institute. The institute follows GFR-2017, Ministry of Education guidelines and other rules and regulations of the institute and GOI.

(iii) System of Physical verification of fixed assets:

Physical verification of Fixed Assets has been physically done by the Institute during the year.

(iv) System of Physical verification of inventory:

Physical verification of consumable and non-consumable item has been done by the Institute (department wise) during the year.

(v) Regularity in payment of statutory dues:

No irregularity in payment of statutory dues was noticed during audit of 2024-25

(vi) Other matters relating to functioning of the entity:

Nil

F. Grants in aid

The National Institute of Technology, Jamshedpur Grants-in-Aid of ₹ 148.62 crore (Capital ₹ 26.47 crore and Revenue ₹ 122.15 crore) were received from the Government of India during the year 2024-25. The unspent balance of the previous year was ₹ Nil. Thus, the total fund available with the Institute was ₹148.62 crore (Capital 26.47 crore and Revenue ₹122.15 crore). Out of which the Institute utilized a sum of ₹ 155.79 crore [(Capital₹ 33.03 crore (Capital grant ₹26.47 crore + IRG ₹6.56 crore) and Revenue ₹ 122.76 crore (Revenue grant ₹122.15 crore + IRG ₹0.61 crore)]. During the year Excess expenditure from IRG ₹ 7.17 crore (₹ 155.79 crore -₹148.62).

Principal Director of Audit (Lucknow)

NATIONAL INSTITUTE OF TECHNOLOGY
JAMSHEDPUR – 831014



ANNUAL ACCOUNT
FOR THE
FINANCIAL YEAR 2024-25

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NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR
BALANCE SHEET AS ON 31ST MARCH 2025

(Amount in Rupees)

SOURCES OF FUNDS	Schedule	Current Year 2024-25	Previous Year 2023-24
CORPUS / CAPITAL FUND	01	7,09,59,07,317.46	6,39,17,40,586.48
DESIGNATED/EARMARKED/ ENDOWMENT FUNDS	02	16,67,22,444.64	16,14,73,789.58
CAPITAL GRANTS/LOANS	02(i)	1,03,61,22,932.78	79,13,57,196.78
CURRENT LIABILITIES & PROVISIONS	3&3A	92,70,44,467.54	88,79,72,286.82
TOTAL		**9,22,57,97,162.42**	**8,23,25,43,859.66**

APPLICATION OF FUNDS	Schedule	Current Year 2024-25	Previous Year 2023-24
FIXED ASSETS	04		
a. Fixed Assets acquired upto 31.03.2014		10,94,71,748.30	11,66,08,702.30
b. Fixed Assets acquired after 31.03.2014			
Tangible Assets		2,89,48,97,363.36	2,82,88,95,932.69
Intangible Assets		2,86,47,542.40	2,39,00,633.00
Capital Works-In-Progress		2,41,93,50,632.00	1,91,16,86,722.00
INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	05	-	-
INVESTMENTS - OTHERS	06	-	-
CURRENT ASSETS	07	3,43,73,85,933.89	3,09,99,82,836.57
LOANS ADVANCES & DEPOSITS	08	33,60,43,942.47	25,14,69,033.10
TOTAL		**9,22,57,97,162.42**	**8,23,25,43,859.66**

SIGNIFICANT ACCOUNTING POLICIES	23	
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06/06/2025
Accountant

6/6/25
Asst. Registrar (F/A)

06/6/25
Registrar

6/6/25
Director

SINGHANIA AGRAWAL & CO
JAMSHEDPUR
CHARTERED ACCOUNTANTS

NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2025

(Amount in Rupees)

PARTICULARS	Schedule	Current Year 2024-25	Previous Year 2023-24
INCOME			
Academic Receipts	09	32,43,91,123.62	34,53,64,325.69
Grants / Subsidies	10	1,22,14,63,764.00	1,23,63,77,282.00
Income from Investments	11	22,83,01,994.55	16,74,42,167.10
Interest Earned	12	63,96,833.00	81,48,165.60
Other Income	13	6,91,82,334.39	7,29,14,722.31
Prior Period Income	14	-	-
TOTAL (A)		**1,84,97,36,049.56**	**1,83,02,46,662.70**
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	88,79,27,444.00	94,13,69,793.00
Academic Expenses	16	14,04,70,820.50	13,51,75,347.00
Administrative and General Expenses	17	12,27,85,161.00	9,57,74,424.00
Transportation Expenses	18	29,07,193.00	22,84,850.00
Repair and Maintenance	19	4,55,62,897.00	5,27,30,801.00
Finance Cost	20	4,83,96,326.52	3,59,33,694.89
Other Expenses	21	18.03	38.38
Prior Period Expenses	22	20,53,895.00	1,19,98,065.00
Depreciation	04&04(i)	15,76,01,273.93	13,41,07,271.18
Expenses from IRG	17	69,08,923.00	1,39,35,667.36
TOTAL (B)		**1,41,46,13,951.98**	**1,42,33,09,951.81**
Balance being Surplus / (Deficit) carried to Capital Fund		**43,51,22,097.58**	**40,69,36,710.89**

Accountant **Asst. Registrar (F/A)** **Registrar** **Director**

SINGHANIA AGRAWAL & CO. JAMSHEDPUR CHARTERED ACCOUNTANTS

SCHEDULES FORMING PART OF BALANCE SHEET

SCHEDULE 1 - CORPUS / CAPITAL FUND

Amount in Rupees

	Particulars		Current Year 2024-25	Previous Year 2023-24
(A)	**Corpus Fund**			
	Balance at the beginning of the year	12,04,50,559.69		11,94,42,062.69
Add:	Interest earned on Corpus Fund	8,94,091.78		10,08,497.00
			12,13,44,651.47	**12,04,50,559.69**
(B)	**Capital Fund**			
	Balance at the beginning of the year	6,27,12,90,026.79		5,74,51,95,988.90
Add:	Cap-Grant to the extent utilized for Cap. Exp.	26,47,00,000.00		17,47,99,273.00
Add:	Assets Purchased out of TEQIP-III & Others fund	52,61,574.00		16,23,315.00
Add:	Share of IRG from Testing & Consultancy	53,900.00		23,35,963.00
Less	Amount wrongly booked in Income now rectified	-21,500.00		-4,01,23,645.00
Less	Liability Amount wrongly booked in Income now rectified	-9,13,248.00		-52,54,000.00
Less	Old Advances adjusted	-8,98,818.38		-1,42,23,579.00
Less	Income Tax Liabilities	-31,366.00		-
			6,53,94,40,568.41	
Add:	Excess of Income over Expenditure		**43,51,22,097.58**	**40,69,36,710.89**
	TOTAL B		**6,97,45,62,665.99**	**6,27,12,90,026.79**
	GRAND TOTAL (A+B)		**7,09,59,07,317.46**	**6,39,17,40,586.48**
Less:	Deficit trf from the Income & Expenditure A/c		-	-
	Balance at the year end		**7,09,59,07,317.46**	**6,39,17,40,586.48**

S. Mittal 26/06/2025
Accountant

4/6/25
Asst. Registrar (F/A)

SCHEDULE 2 - DESIGNATED / EARMARKED / ENDOWMENT FUNDS

(Amount in Rupees)

Particulars	Current Year 2024-25		Previous Year 2023-24	
A. Staff Development Fund				
(i). Balance at the beginning of the year	**51,62,925.00**		**49,24,950.00**	
(ii). Add: Addition during the year			-	
(iii). Add: Interest on Saving Bank/FD A/c	2,10,979.55		2,37,975.00	
(iv). Less: Expenditure during the year		**53,73,904.55**	-	**51,62,925.00**
B. Maintenance fund				
(i). Balance at the beginning of the year	**2,37,48,428.00**		**2,36,57,788.00**	
(ii). Add: Addition during the year			-	
(iii). Add: Interest on Saving Bank/FD A/c	80,357.24		90,640.00	
(iv). Less: Expenditure during the year		**2,38,28,785.24**	-	**2,37,48,428.00**
C. Depreciation fund				
(i). Balance at the beginning of the year	**27,42,297.00**		**27,42,297.00**	
(ii). Add: Addition during the year	-		-	
(iii). Add: Interest on Saving Bank/FD A/c	-		-	
(iv). Less: Expenditure during the year	-	**27,42,297.00**	-	**27,42,297.00**
D. Institute Dev. Fund				
(i). Balance at the beginning of the year	**12,96,94,029.58**		**12,41,02,389.58**	
(ii). Add: Addition during the year			-	
(iii). Add: Interest on Saving Bank/FD A/c	49,57,318.27		55,91,640.00	
(iv). Less: Expenditure during the year		**13,46,51,347.85**	-	**12,96,94,029.58**
E. Endowment Fund				
(i). Balance at the beginning of the year	**1,26,110.00**		**1,26,110.00**	
(ii). Add: Addition during the year	-		-	
(iii). Add: Interest on Saving Bank/FD A/c	-		-	
(iv). Less: Expenditure during the year	-	**1,26,110.00**	-	**1,26,110.00**
TOTAL		**16,67,22,444.64**		**16,14,73,789.58**

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SCHEDULE 2(i) - CAPITAL GRANTS & LOANS

(Amount in Rupees)

SL.NO.	PARTICULARS	OP. BAL 01.04.2024	RECEIPT	EXPENDITURE	CL. BALANCE
(A)	**RESEARCH ACCOUNT**	98,520.48	-	-	98,520.48
	TOTAL: A	**98,520.48**	-	-	**98,520.48**
(B)	**OUT SIDE ACCOUNT**				
1	CEP (Continous Education Prog) Receipt	1,70,90,776.30	90,885.00	-	1,71,81,661.30
2	TSG account closed and Balance trf to SAS	5,62,663.00		-	5,62,663.00
3	University examination account	47,69,923.00		-	47,69,923.00
4	Non-formal B.Sc. Engg. Account	1,10,83,593.00		-	1,10,83,593.00
5	Short term course account	89,156.00		-	89,156.00
6	Short term course continuing computer education	1,02,292.00		-	1,02,292.00
7	EDC / Mushroom	1,58,646.00		-	1,58,646.00
8	Pravah A/c closed and Balance trf to OJASS A/c	5,57,626.00		-	5,57,626.00
9	N.S.S	4,16,024.00		-	4,16,024.00
10	Common University Entrance Test (CUET) - 2022	1,21,192.00		-	1,21,192.00
	TOTAL: B	**3,49,51,891.30**	**90,885.00**	-	**3,50,42,776.30**
(C)	**LOAN ACCOUNT**				
1	Loan From HEFA (old)	47,65,64,856.00	2,35,91,646.00	12,30,16,925.00	37,71,39,577.00
2	Loan From HEFA (G+5 Boys Hostel)	27,97,41,929.00	45,47,46,969.00	11,06,46,839.00	62,38,42,059.00
	TOTAL: C	**75,63,06,785.00**	**47,83,38,615.00**	**23,36,63,764.00**	**1,00,09,81,636.00**
	GRAND TOTAL (A+B+C)	**79,13,57,196.78**	**47,84,29,500.00**	**23,36,63,764.00**	**1,03,61,22,932.78**

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SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS

Particulars		Current Year 2024-25		Previous Year 2023-24
A. Current Liabilities				
(a) Scholarship	1,89,00,143.56	**1,89,00,143.56**	1,74,65,143.56	**1,74,65,143.56**
(b) Balance on CGI A/c	4,78,478.00	**4,78,478.00**	4,65,800.00	**4,65,800.00**
(c) Student Funds and others				
(i) Hall account				
Balance as per last year account	12,26,79,692.20		12,80,65,692.20	
Add: Receipt during 2022-23	3,43,97,000.00		2,59,25,000.00	
Less: Transfer to Hostel account for Exp	-17,000.00		-3,13,11,000.00	
	15,70,59,692.20		**12,26,79,692.20**	
(ii) Gymkhana account				
Balance as per last year account	5,51,62,658.25		5,97,79,125.25	
Add: Receipt during 2022-23	3,02,38,194.00		2,24,57,033.00	
Less: Transfer to SAS account for Exp	-2,00,02,500.00		-2,70,73,500.00	
	6,53,98,352.25		**5,51,62,658.25**	
Total (a)		**22,24,58,044.45**		**17,78,42,350.45**
(d) Sundry Deposits (Debt & Deposit)				
(i) Caution money payable	5,88,74,465.00		6,25,62,646.00	
(ii) Group saving link scheme (GSLI)	69,250.46		73,450.46	
(iii) PBG Deposit	6,71,584.00		83,937.00	
(iv) Earnest money deposits	23,78,077.55		30,88,175.55	
(v) Alumni account	2,09,09,305.37		1,82,45,305.37	
(vi) JREDA	6,46,625.00		6,46,625.00	
(vii) Security Deposits	5,46,517.00		5,16,700.00	
(viii) Dept hospitality fund	30,569.00		30,569.00	
(ix) Employees welfare fund	13,612.00		15,464.00	
(x) Professional Development Fund	31,76,543.50		29,77,967.50	
(xi) Research & Development Fund	26,28,922.50		24,76,108.50	
(xii) Retention Money	11,45,970.00		12,89,580.00	
(xiii) Mr. A. K. Shaw	10,000.00		10,000.00	
(xiv) Swarnarekha Canal Division, Ghatsila	26.00		26.00	
(xv) Civil Engineering Society	50,000.00		-	
(xvi) M/s Buland Infra	24,780.00		24,780.00	
(xvii) M/s L.K. Builders	-		47,200.00	
(xviii) M/s Outlook Design Heed Consultants Pvt. Ltd.	-		16,000.00	
(xix) M/s Satsang Kendra Adardih	-		1,05,610.00	
(xx) M/s Surajmal Onkarmal	-		70,800.00	
(xxi) Hindustan Steel Work Construction Ltd.	1,59,536.00		-	
(xxii)K. R. Consultancy Service	23,600.00		-	
(xxiii) Abhilasha Enterprises	5,310.00		-	
(xxiv) Tata Steel Utilities and Infrastructure Services Ltd.	23,600.00		13,452.00	
(xxv) U.P. Project Corp Ltd	-		62,300.00	
(xxvi) G. T. Fabricator & Traders	23,600.00		-	
(xxvii) Krishangi Construction Pvt. Ltd.	99,592.00		-	
(xxviii) Vikash Kumar	4,60,200.00		-	
(xxix) Orient Steel & Industries	94,400.00		-	
(xxx) Shri Housing Developers Pvt. Ltd.	11,328.00		-	
(xxxi) Excess Fee (Liabilities)	1,17,92,417.00		1,35,61,827.00	
(xxxii) Mr. Asit Baran Roy (Night Canteen - J)	13,838.00		-	
(xxxiii) Mr. Navneet Kumar Singh(Night Canteen)	20,000.00			
(xxxiv) Ayaansh Enterprises	36.00		-	
(xxxv) Kew Construction	23,600.00		23,600.00	
(xxxvi) M/s Speadbye Digital P. Ltd.	1,790.00		240.00	
(xxxvii) Registration Fee for Climate Stories	3,900.00		-	
(xxxviii) NITJSR Centre for Innovation & Incubation	2,000.00		-	
(xxxix) Other Deposits	1,57,34,758.96		1,03,80,909.91	
Total (b)		**11,96,69,753.34**		**11,63,23,273.29**

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Particulars		Current Year 2024-25		Previous Year 2023-24
Particulars		**Current Year 2024-25**		**Previous Year 2023-24**
(e) Statutory Payable				
(i) PF subscription	20,61,557.00		14,60,431.00	
(ii) NPS subscription	27,01,407.00		19,85,304.00	
(iii) PF loan	-		-	
(iv) TDS payable	71,38,909.07		81,61,744.57	
(v) LIC claim received payable to to Emp	15,74,205.00		3,19,387.00	
(vi) LIC premium extra recovery				
(vii) Professional tax	2,95,373.00		416.00	
(viii)GST Payable				
CGST	1,06,457.40		1,23,207.96	
SGST	1,06,457.40		1,23,207.96	
IGST	4,25,304.99		81,590.50	
(ix)TDS Under GST Scheme (CGST)	2,68,428.00		2,82,870.50	
(x)TDS Under GST Scheme (IGST)	5,90,216.50		1,55,578.00	
(xi)TDS Under GST Scheme (SGST)	2,68,428.00		2,82,870.50	
Total (c)		**1,55,36,743.36**		**1,29,76,607.99**
(f) Others Payables				
(i) Medicare Scheme Receipts (Students)	3,36,310.00		3,36,310.00	
(ii) TCC Soceity	29,68,700.00		29,84,505.00	
(iii) Payable to Student (CCMT & CCMN)	3,10,000.00		50,000.00	
(iv) Payable to Student (CSAB)	12,01,500.00		4,96,000.00	
(v) Payable to Student (Nimcet - 2023)	70,000.00		70,000.00	
(vi) Payable to Student (CCMN - 2023)	40,000.00		40,000.00	
(vii) NIMCET	2,51,894.00		71,112.00	
(viii) Innovation Project Fee	1,53,26,778.00		82,88,000.00	
(ix) Interest on Project	29,93,631.00		20,68,948.00	
(x) Fellowship of Ms. Ayesha Alice Mundu	1,591.00		1,591.00	
(xi) HMB Section	1,33,144.70		-	
(xii) SAS Section	21,389.00		-	
(xiii) Smt. Mini Majhi W/o Late Biram Majhi	10,000.00		10,000.00	
Total (d)		**2,36,64,937.70**		**1,44,16,466.00**

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Particulars		Current Year 2024-25		Previous Year 2023-24
(g) Gratuity Payable	5,68,717.00	**5,68,717.00**	5,68,717.00	**5,68,717.00**
(h) Leave Encashment Payable	10,87,661.00	**10,87,661.00**	10,37,661.00	**10,37,661.00**
(i) Mess Advance	-	-	-	-
(j) Sundry Ceditors				
(i) Eureka Forbes Ltd.	-		16,128.00	
(ii) Del Star Marketing	29,840.00		29,840.00	
(iii) Jusco Limited	99,002.00		99,002.00	
(iv) Technocom	25,960.00		25,960.00	
(v) Atos IT Solution	9,998.00		9,998.00	
(vi) Jagdamba Enterprises	-		18,000.00	
(vii) Veekay Industries	600.00		600.00	
(viii) Bhushan Power and Steel LTD	-		4,50,000.00	
(ix) C2S Project PFMS A/c	2,22,800.00		3,22,494.00	
(x) Cascade Book Distributors	6,66,896.00			
(xi) Creative Books	1,19,335.00			
(xii) Arshi Traders	9,300.00			
(xiii) ICMMMI - 2025	95,000.00			
(xiv) F.I.C Guest House	-		-	
Total (e)		**12,78,731.00**		**9,72,022.00**
TOTAL (A)		**40,36,43,209.41**		**34,20,68,041.29**
B. Provisions:				
(i) Arrear of Pension & Family Pension	4,44,65,307.00		4,44,65,307.00	
(ii) Electricity Charges Payable	-		-	
(iii) Pension payable	1,51,98,947.00		1,44,68,110.00	
(iv) Provision for Contribution to New Pension Scheme	33,33,720.00		25,76,658.00	
(v) Salary Payable	4,07,91,194.00		3,60,01,739.00	
(vi) Security & Other Charges Payable	-		-	
(vii) Stipend to PG, Ph.D, & Other Students Payable	1,86,000.00		1,86,000.00	
(viii) Fee Waiver payable to Students	-		-	
(ix) Provision for Gratuity (Actuarial)	18,81,13,451.00		21,70,25,885.00	
(x) Provision for Leave Encashment (Actruarial)	18,00,11,863.00		18,07,61,167.00	
TOTAL (B)		**47,21,00,482.00**		**49,54,84,866.00**
C. Unutilised Grant Refundable to MoE:				
(a) Plant Grant				
Balance at the beginning of the year	-		-	
Add: Capital Grant Receive during the Year	26,47,00,000.00		17,55,00,000.00	
Less: Payment to NIT Transit House	-		-7,00,000.00	
Less: Payment for Capital Assets	-26,47,00,000.00	-	-17,47,99,273.00	727.00
Less: Balance Grant Returned Back				-727.00
Total (a)		-		-
(b) Revenue Grant				
Balance at the beginning of the year	-		-	
Add: Revenue Grant Received during Year	1,22,14,63,764.00		1,23,63,80,028.00	
Less: Revenue Expenditure	-1,22,14,63,764.00		-1,23,63,77,282.00	
Less: Revenue Grant Returned Back	-		-2,746.00	
Total (b)		-		-
TOTAL (C)		-		-

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Particulars		Current Year 2024-25		Previous Year 2023-24
D. Short-Term Course/Workshop Fund				
(i) AICTE Sponsored ATAL Workshop	5,000.00		5,000.00	
(ii) FDP on CAWRM (Dr. Sangeeta Kumari)	6,247.00		6,247.00	
(iii) Technica	1,00,000.00		-	
(iv) AMBMS-2021	49,000.00		49,000.00	
(v) SERB Karyashala (Dr. Koushlendra Kr. Singh)	684.00		684.00	
(vi) Brainstorming Session on ASR (Dr. R. Prasad)	7,050.00		7,050.00	
(vii) ICPESD-2022 (Dr. Ananyo Bhattachrya)	1,102.00		1,102.00	
(viii) Internation ISTTP (Dr. Jitndr, Rghvendr, Ombari	-		25,219.00	
(ix) NCSGE-2022 (Dr. Awadhes, Keshav,S.Madhuri)	1,31,535.00		1,31,535.00	
(x) STC_Emerging Applications of AI and IoT	3,100.00		3,100.00	
(xi) ICSEAPT-2021	1,22,029.00		1,22,029.00	
(xii) Indo-Europian Conference 2023	-		-	
(xiii) EPREC 2023	4,40,641.00		1,96,967.00	
(xiv) Karyashala PI Dr. Mrinal Kanti Sarkar	-		5,00,000.00	
(xv) Registration Fee for SMPS Workshop Under Dr. Mrinal	144.00		6,192.00	
(xvi) ROTW 2023 Workshop	9,015.00		29,840.00	
(xvii) Short Term Course(LATEX 2024) PI. Dr. Sourav Das	-		70,500.00	
(xviii) Vriika Under PI Dr. Dinesh Kumar (CSE)	-		1,50,000.00	
(xix) Vritika Under PI Dr. Jitesh Kumar	-		1,50,000.00	
(xx) Vritika Under PI Dr. Satish Kumar	-		1,50,000.00	
(xxi) Workshop Under Meity Sponsored PI Dr. Amit Prakash	19,400.00		19,400.00	
(xxii) Industry Academia Conclave 2023			9,28,798.00	
(xxiii) A- ESDP PIKanika Prasad	47.00			
(xxiv) E Short Term Program on Research Trend and Future	14,616.00			
(xxv) FOCCE 2024	35,640.00			
(xxvi) Hand on Workshop on MATLAB	1,353.00			
(xxvii) ICMMMI 2024	1,40,571.00			
(xxviii) INTERNATIONAL CONFERENCE ON IOT Dr SUBRATA DUTTA	3,293.00			
(xxix) MICC-2024 WORKSHOP	1,050.60			
(xxx) RAMPC 2025	1,60,170.00			
(xxxi) Reg. Fee of NM-Fluid 2024 Workshop PI Dr. Raj (MTH)	482.00			
(xxxii) Short Term Course AI Application to Microgrind & EV	50.00			
(xxxiii) Short Term Course - Intro to Number Theory	365.00			
(xxxiv) SHORT TERM COURSE SMI 2024	2,400.00			
(xxxv) SIPCIVIL 2024 WORKSHOP PI DR. K.K SHARMA	2,224.00			
(xxxvi) Urban Water Modelling Using MIKE Software	35,401.00			
(xxxvii) Workshop Matlab &Python 2025	28,500.00			
(xxxviii)Team Phoncix	1,57,539.00			
TOTAL (D)		**14,78,648.60**		**25,52,663.00**
GRAND TOTAL (A+B+C+D)		**87,72,22,340.01**		**84,01,05,570.29**

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SCHEDULE 3A - SPONSORED PROJECT (SCHEME GRANTS)

(Amount in Rupees)

SL.NO.	PARTICULARS	OP. BAL 01.04.2024	RECEIPT	EXPENDITURE	CL. BALANCE
(A)	**SPONSORED PROJECT (SCHEME GRANTS)**				
1	Modernization of Laboratories	26,01,229.10			26,01,229.10
2	Net Work Scheme	3,78,940.35			3,78,940.35
3	Area of Weakness	23,24,492.74			23,24,492.74
4	Emerging Technology	65,269.31			65,269.31
5	A I C T E	6,89,802.14			6,89,802.14
6	Programme for New/Improve Technology	1,65,223.43			1,65,223.43
7	Instrumentation Cell	1,75,000.00			1,75,000.00
8	Research Centre on Piezo Eectro. Composite materials	2,253.20			2,253.20
9	I. I. I. Cell	69,169.86			69,169.86
10	UNESE	6,319.73			6,319.73
11	Center of Excellence Less Recurring Exp.	2,18,88,957.88			2,18,88,957.88
12	Geology Project	47,224.78			47,224.78
13	V.L.S.I.	1,84,987.00			1,84,987.00
14	TGAS Scheme	1,50,000.00			1,50,000.00
15	SERC (DST) Project Mathematics (Sunil Kumar)	13,559.00			13,559.00
16	SERB Black Carbon Project (Dr. Balram Ambade)-Tapan	1,25,473.00			1,25,473.00
17	SERB DST Project of Raj Nandkeolyar(ECR/2017/118)	1,78,548.00	1,50,000.00	3,28,548.00	-
18	IITG TIH Project of Vijay Kumar Dalla	5,00,000.00		3,73,021.00	1,26,979.00
19	SERB Project of Dr. Subrata Dutta	2,88,000.00		2,26,158.00	61,842.00
20	TIHAN IITH Project of Vijay Kumar Dalla	5,75,000.00	20,25,000.00	7,04,025.00	18,95,975.00
21	NAMPET- III Project		4,19,381.00		4,19,381.00
22	MHRD Project of Dr. Manish Kumar Jha	10,119.00			10,119.00
23	RCI_UBA Project of Dr. Ranjit Prasad	35,040.00		31,070.00	3,970.00
24	SERB-CRG Project of Dr. Sanjay & Dr. MA Hassan	43,470.00			43,470.00
25	SERB -DST Project of Dr. Dulari Hansdah (Mech)	2,33,952.00	1,29,000.00		3,62,952.00
26	APPNR (Assistant for Participation in Programs of N	-	10,00,000.00	72,211.00	9,27,789.00
27	BIS Project Arvind Gali	-	1,62,000.00		1,62,000.00
28	BIS PROJECT CODE MTD 0210 PI KUNTAL MAJI	-	1,48,500.00	1,22,201.00	26,299.00
29	BIS PROJECT CODE MTD 0212 PI KUNTAL MAJI	-	1,35,000.00	1,22,242.00	12,758.00
30	BIS Project LITD 0110	-	1,36,350.00	1,66,452.00	-30,102.00
31	BIS Project MED 0277 PI Arvind Kumar Patel	-	81,000.00		81,000.00
32	BIS PROJECT MTD0143 PI BINAY KUMAR	-	3,60,000.00	2,42,351.00	1,17,649.00
33	BIS Project on Door Closers(CED0112) Dr Subadeep Mc	-	2,23,027.00	1,08,483.00	1,14,544.00
34	BIS Project on Tower Bolts (CED0124) Dr Subadeep Mc	-	2,47,341.00	1,00,318.00	1,47,023.00
35	BIS PROJECT TED 0019	-	97,802.00	97,802.00	-
36	Design Development of Al Based Model Pi Dr K.K.Sing	-	2,80,000.00	84,848.00	1,95,152.00
37	DEVELOPMENT OF CEMENT BASED SUSTAINABLE BRICKS BLOC (Dr. K. K. Sharma)	-	10,78,000.00		10,78,000.00
38	Dst Fist Project. PI Dr. Raj Nandkeolyar	-	58,91,817.00	58,91,817.00	-

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SL.NO.	PARTICULARS	OP. BAL 01.04.2024	RECEIPT	EXPENDITURE	CL. BALANCE
39	SERB Project of Dr. Ashok Kumar Mandal	2,032.00	1,18,699.00	1,12,847.00	7,884.00
40	SERB (DST) Project	5,76,713.00			5,76,713.00
41	DST Project of Dr. Ashok Kumar Mandal	6,12,738.00		6,12,738.00	-
42	SERB Project of Dr. Somenath Mondal Dept of Civil	3,34,821.00		3,34,821.00	-
43	SERB DST Project of Dr. Basudeba Behera	3,23,950.00	3,38,934.00	6,17,483.00	45,401.00
44	SERB DST Project of Dr. Moumita Mondal	16,55,689.00	3,50,000.00	18,58,509.00	1,47,180.00
45	AICTE IKS Research Project (Dr. Ashok Kr. Mandal)	3,91,713.00		34,153.00	3,57,560.00
46	Cars Project of Dr. Virendra Kr. Civil	1,34,416.00		1,27,406.00	7,010.00
47	DRDO NSTL_CARS Project - Dr. Prashant	67,439.00		67,439.00	-
48	DVC Project	6,86,363.00		39,595.00	6,46,768.00
49	MOE.DEP Higher Education of India (Dr. Manish Jha)	27,684.00		27,684.00	-
50	MSME Proejct of Dr. Deepak (DME)	1,78,934.00		44,190.00	1,34,744.00
51	MSME Project of Dr. B. Bhowmik (ECE)	1,23,196.00			1,23,196.00
52	PIGMENTS Project Swachta Pukare (Dr. Jayendra)	202.00			202.00
53	SERB Indo Asia Project_Dr. Satish Kumar (Dme)	3,28,413.00	3,23,683.00	6,52,096.00	-
54	Technology Customization Project UBA of Dr. Jayendr	7,313.00			7,313.00
55	Technology Development Project UBA of Dr. Jayendra	3,729.00		3,729.00	-
56	UBA Project (Dr. Sangita Kumari)	9,963.00			9,963.00
57	SERB CRG _Dr. Surajit Kundu	1,21,642.00	6,50,000.00	5,81,220.00	1,90,422.00
58	CPCB Nodal Officer Proj of Dr. Balram Ambde (Chem)	1,340.00		1,239.00	101.00
59	DRDO Proj of Dr. Sumit Kr Debnath (JRF-Vikash&Tapas	2,204.00			2,204.00
60	DST SERB Project PI Dr.Tapas Das	1,77,880.00	7,48,152.00	9,26,032.00	-
61	ICSSR Project 2023_Dr. Akansha Shukla	2,40,236.00	9,75,000.00	2,85,729.00	9,29,507.00
62	Indo-France Project_Dr. Sumit Kr Debnath _Math	9,22,929.00	3,60,069.00	7,04,832.00	5,78,166.00
63	Karyashala PI Dr. Rinku Kr. Gouda	5,00,000.00		5,00,000.00	-
64	Learning By Doing Project Under Mr.Ayush.	39,889.00		39,087.00	802.00
65	SERB CRG PROJECT 2023 PI Dr. Tapas Das.	21,31,600.00		18,64,762.00	2,66,838.00
66	SERB CRG PROJECT PI Dr. Tushar Banerjee	22,24,699.00	10,00,000.00	22,14,396.00	10,10,303.00
67	Serb Dst Project 2023 Under Dr. Shashank Pandey	2,78,241.00	5,00,000.00	4,99,492.00	2,78,749.00
68	SERB Project 2023 PI Dr. Balram Ambade	27,73,000.00		6,53,997.00	21,19,003.00
69	SERB Project PI Dr. Mrinal Kanti Sarkar	12,18,358.00	9,81,368.00	11,40,808.00	10,58,918.00
70	SERB SRG_Dr. G. Yoganjaneyulu_PIE	47,212.00		47,212.00	-
71	Short Term Emperical Project PI Dr . Dinesh K	1,16,248.00		1,16,248.00	-
72	SSAL PROJECT PI DR.SHWATI SUDHA	48,000.00		48,000.00	-
73	Texamin Project PI Dr. Surajit Kundu	8,05,900.00	6,42,356.00	6,60,663.00	7,87,593.00
74	DST INSPIRE FELLOW .PI Dr. Raj Nandkeolyar.		1,27,591.00	1,27,591.00	-
75	DST NSTC PROJECT OF DR SATISH KUMAR		19,00,000.00	19,00,000.00	-
76	DST Project PI Dr. S. Madhuri (1819)		7,70,680.00	7,70,680.00	-
77	DST SERB Proj. of Dr. Satish Kr. JRF Jitendra Kr		50,287.00	50,287.00	-
78	HEFA CSR PROJECT		9,53,000.00	5,32,515.00	4,20,485.00
79	IATT-Drift racing		1,00,000.00		1,00,000.00
80	IATT-E- Cell		1,00,000.00		1,00,000.00
81	IATT-Innorev		1,00,000.00	15,546.00	84,454.00
82	IATT-Phoenix		1,00,000.00		1,00,000.00
83	IATT-Robo Aut , Robotics Club		1,00,000.00		1,00,000.00
84	ICMR PROJECT ON BMD ESTIMATION PI DR JITESH PRADHAN		12,72,276.00	19,254.00	12,53,022.00
85	IIPA-An intralink Protocol for Large scale patient Monitoring		25,000.00		25,000.00
86	IIPA-Autonomous Bot solution for restaurant operation		25,000.00		25,000.00
87	Penetrating radar application		35,000.00	35,000.00	-
88	IIPA-Design and Development of Bionic hand		35,000.00		35,000.00
89	printer		25,000.00		25,000.00
90	IIPA-Development and Designing of Automatic Deliver		25,000.00		25,000.00
91	IIPA-Development of a farmer friendly ROBOT helpful in identifying and plucking of completely mature fruit and flower		30,000.00		30,000.00
92	Surveillance and defence purpose		35,000.00		35,000.00
93	additive Manufacturing		35,000.00		35,000.00
94	IIPA-Development of Robotic -AI Head Voice Assistant GPT		25,000.00		25,000.00
95	IIPA-Heart Attack detection System		10,000.00		10,000.00
96	IIPA-Hydogen Elecric Hybrid Jet Engine		30,000.00		30,000.00
97	pump EHB system		25,000.00		25,000.00
98	Reliable		25,000.00		25,000.00
99	IIPA-Mud AC		10,000.00		10,000.00
100	IIPA-Power Generation and Monitoring		15,000.00	15,000.00	-
101	IIPA-Radio Mesh Network for Disaster management		10,000.00	9,477.00	523.00
102	centimetre level precision		30,000.00	29,759.00	241.00
103	IIPA-Smart AC Management for campus using IOT		14,600.00	14,379.00	221.00
104	community		15,000.00	14,868.00	132.00
105	Different Situation		15,000.00		15,000.00
106	ISG-Leaf it		1,00,000.00		1,00,000.00
107	ISG-Petaverse		1,00,000.00		1,00,000.00
108	ISRO PROJECT PI Dr. Kunal Singh.		3,30,000.00	3,30,000.00	-
109	NAMPET-III		18,93,000.00	18,93,000.00	-
110	NHAI Sponsored Project PI Dr A.K.Singh		5,00,000.00		5,00,000.00
111	SEG- Ethos UBA PROJECT PI Kanika Prasad		50,000.00	50,000.00	-
112	SERB DST Project (Dr Ashok Kumar Barik)		21,64,200.00	7,58,774.00	14,05,426.00
113	SERB Project (Not Claim)		6,25,702.00		6,25,702.00
114	SERB Proj. of Dr. Neha Agnihotri JRF Modhurima		1,87,400.00	1,87,400.00	-
115	STARS PROJECT Pi DR. SUBHADEEP METYA		22,99,750.00	22,99,750.00	-
116	Study on Reclamation of Land Fill and Dump		6,25,680.00		6,25,680.00
117	Unnat Bharat Abhiyan PI Dr. Shakti Prasad PFMS A/C		3,20,000.00	3,20,000.00	-
	TOTAL: A	**4,78,66,716.52**	**3,48,16,645.00**	**3,28,61,234.00**	**4,98,22,127.52**

SCHEDULE 4 - FIXED ASSETS (Up to 31.03.2014)

Amounts in Rupees

S.No	ASSET HEADS	GROSS BLOCK				DEPRECIATION FOR THE YEAR 2024-25					NET BLOCK	
		OP. BAL 01.04.2024	ADDITIONS	DEDUCTIONS	CL. BALANCE	RATE OF DEPRECIATION (%)	DEP OPENING BALANCE	DEPRECIATION FOR THE YEAR	DEDUCTIONS/ ADJUSTMENTS	TOTAL DEPRECIATION	31.03.2025	31.03.2024
1	Land	-	-	-	-	0.00%	-		-	-	-	-
2	Site Development	-	-	-	-	0.00%	-		-	-	-	-
3	Buildings	22,75,26,178.32	-	-	22,75,26,178.32	2.00%	12,36,67,726.00	43,13,398.00	-	12,79,81,124.00	9,95,45,054.32	10,38,58,452.32
4	Roads & Bridges	1,68,92,590.49	-	-	1,68,92,590.49	2.00%	1,04,38,652.00	3,37,852.00	-	1,07,76,504.00	61,16,086.49	64,53,938.49
5	Tubewells and Water Supply	1,88,170.75	-	-	1,88,170.75	2.00%	45,979.00	3,764.00	-	49,743.00	1,38,427.75	1,42,191.75
6	Sewerage & Drainage	-	-	-	-	2.00%	-	-	-	-	-	-
7	Electrical Installation & Equipment	2,20,23,036.76	-	-	2,20,23,036.76	5.00%	2,02,86,827.00	3,95,793.00	-	2,06,82,620.00	13,40,416.76	17,36,209.76
8	Plant & Machinery	1,73,24,159.67	-	-	1,73,24,159.67	5.00%	1,53,33,842.00	6,03,987.00	-	1,59,37,829.00	13,86,330.67	19,90,317.67
9	Scientific & Laboratory Equipment	7,78,71,212.87	-	-	7,78,71,212.87	8.00%	7,60,77,418.00	11,95,854.00	-	7,72,73,272.00	5,97,940.87	17,93,794.87
10	Office Equipment	45,61,320.29	-	-	45,61,320.29	7.50%	44,97,534.00	29,828.00	-	45,27,362.00	33,958.29	63,786.29
11	Audio Visual Equipment	41,11,764.67	-	-	41,11,764.67	7.50%	37,43,371.00	1,59,518.00	-	39,02,889.00	2,08,875.67	3,68,393.67
12	Computers & Peripherals	9,67,35,804.64	-	-	9,67,35,804.64	20.00%	9,67,35,804.64	-	-	9,67,35,804.64	-	-
13	Furniture Fixtures & Fittings	3,20,99,667.48	-	-	3,20,99,667.48	7.50%	3,18,98,050.00	96,960.00	-	3,19,95,010.00	1,04,657.48	2,01,617.48
14	Vehicles	40,50,745.47	-	-	40,50,745.47	10.00%	40,50,745.47		-	40,50,745.47	-	-
15	Lib. Books & Scientific Journals	2,18,22,193.96	-	-	2,18,22,193.96	10.00%	2,18,22,193.96		-	2,18,22,193.96	-	-
16	Small Value Assets	3,57,070.48	-	-	3,57,070.48	100.00%	3,57,070.48		-	3,57,070.48	-	-
17	Other Assets	1,58,620.84	-	-	1,58,620.84	100.00%	1,58,620.84		-	1,58,620.84	-	-
TOTAL (A)		**52,57,22,536.69**	-	-	**52,57,22,536.69**		**40,91,13,834.39**	**71,36,954.00**	-	**41,62,50,788.39**	**10,94,71,748.30**	**11,66,08,702.30**
18	Capital Work In Progress (B)		-	-	-		-	-	-	-	-	

S.NO	INTANGIBLE ASSETS	OP. BAL 01.04.2024	ADDITIONS	DEDUCTIONS	CL. BALANCE	RATE OF DEPRECIATION (%)	DEP OPENING BALANCE	AMORTISATION FOR THE YEAR	DEDUCTIONS/ ADJUSTMENTS	TOTAL AMORTIZATION/ ADJUSTMENTS	31.03.2025	31.03.2024
19	Computer Software	1,97,09,578.00	-	-	1,97,09,578.00	40.00%	1,97,09,578.00	-	-	1,97,09,578.00	-	-
20	E-Journals	-	-	-	-	40.00%	-	-	-	-	-	-
21	Patents	-	-	-	-	9 YEARS	-	-	-	-	-	-
TOTAL (C)		**1,97,09,578.00**	-	-	1,97,09,578.00		**1,97,09,578.00**	-	-	**1,97,09,578.00**	-	-
GRAND TOTAL (A+B+C)		54,54,32,114.69	-	-	**54,54,32,114.69**		**42,88,23,412.39**	71,36,954.00	-	43,59,60,366.39	**10,94,71,748.30**	11,66,08,702.30

Accountant

Asst. Registrar (F/A)

SCHEDULE 4(i) - FIXED ASSETS (Plan/ TEQIP)

Amounts in Rupees

S.No	ASSET HEADS	GROSS BLOCK				DEPRECIATION FOR THE YEAR 2024-25					NET BLOCK	
		OP. BAL 01.04.2024	ADDITIONS	DEDUCTIONS	CL. BALANCE	RATE OF DEPRECIATION (%)	DEP OPENING BALANCE	DEPRECIATION FOR THE YEAR	DEDUCTIONS/ ADJUSTMENTS	TOTAL DEPRECIATION	31.03.2025	31.03.2024
1	Land	21,13,47,700.00	-	-	21,13,47,700.00	0.00%	-	-	-	-	21,13,47,700.00	21,13,47,700.00
2	Site Development	-	-	-	-	0.00%	-	-	-	-	-	-
3	Buildings	2,28,35,63,219.00	71,67,547.00	-	2,29,07,30,766.00	2.00%	26,54,76,684.28	4,58,14,614.78	-	31,12,91,299.06	1,97,94,39,466.92	2,01,80,86,534.70
4	Roads & Bridges	9,39,75,623.00	-	-	9,39,75,623.00	2.00%	1,12,82,808.04	18,79,512.82	-	1,31,62,320.86	8,08,13,302.14	8,26,92,814.96
5	Tubewells and Water Supply	2,24,31,509.00	2,48,500.00	-	2,26,80,009.00	2.00%	29,24,447.06	4,53,600.18	-	33,78,047.24	1,93,01,961.76	1,95,07,061.94
6	Sewerage & Drainage	2,54,23,508.00	37,51,075.00	-	2,91,74,583.00	2.00%	30,04,433.32	5,83,492.44	-	35,87,925.76	2,55,86,657.24	2,24,19,074.68
7	Electrical Installation & Equipment	29,85,53,775.00	7,74,78,362.00	-	37,60,32,137.00	5.00%	5,06,66,755.80	1,88,01,606.85	-	6,94,68,362.65	30,65,63,774.35	24,78,87,019.20
8	Plant & Machinery	1,54,06,985.00	8,88,000.00	-	1,62,94,985.00	5.00%	35,24,235.40	8,14,749.25	-	43,38,984.65	1,19,56,000.35	1,18,82,749.60
9	Scientific & Laboratory Equipment	14,72,83,962.50	4,17,66,000.00	-	18,90,49,962.50	8.00%	5,91,56,925.72	1,51,23,996.32	-	7,42,80,922.04	11,47,69,040.46	8,81,27,036.78
10	Office Equipment	48,42,130.00	29,41,411.00	-	77,83,541.00	7.50%	21,94,193.67	5,83,765.23	-	27,77,958.90	50,05,582.11	26,47,936.34
11	Audio Visual Equipment	47,50,229.00	5,92,086.00	-	53,42,315.00	7.50%	15,81,191.01	4,00,673.53	-	19,81,864.54	33,60,450.47	31,69,038.00
12	Computers & Peripherals	9,63,60,632.00	4,02,80,447.00	-	13,66,41,079.00	20.00%	7,30,60,415.60	1,79,68,809.40	-	9,10,29,225.00	4,56,11,854.00	2,33,00,216.40
13	Furniture Fixtures & Fittings	10,68,37,179.00	88,54,658.00	-	11,56,91,837.00	7.50%	5,24,67,680.31	86,76,887.78	-	6,11,44,568.09	5,45,47,268.92	5,43,69,498.70
14	Vehicles	35,81,553.00	1,25,000.00	-	37,06,553.00	10.00%	26,07,900.00	3,70,655.30	-	29,78,555.30	7,27,997.70	9,73,653.00
15	Lib. Books & Scientific Journals	7,36,31,873.50	8,26,551.00	-	7,44,58,424.50	10.00%	3,11,46,275.10	74,45,842.45	-	3,85,92,117.55	3,58,66,306.95	4,24,85,598.40
16	Small Value Assets	44,140.00	-	-	44,140.00	100.00%	44,140.00	-	-	44,140.00	-	-
17	Other Assets	-	-	-	-	0.00%	-	-	-	-	-	-
TOTAL (A)		3,38,80,34,018.00	18,49,19,637.00	-	3,57,29,53,655.00		55,91,38,085.30	11,89,18,206.33	-	67,80,56,291.63	2,89,48,97,363.36	2,82,88,95,932.69
18	Capital Work In Progress (B)	1,91,16,86,722.00	59,77,18,179.00	9,00,54,269.00	2,41,93,50,632.00		-	-	-	-	2,41,93,50,632.00	1,91,16,86,722.00

S.NO	INTANGIBLE ASSETS	OP. BAL 01.04.2024	ADDITIONS	DEDUCTIONS	CL. BALANCE	RATE OF DEPRECIATION (%)	DEP OPENING BALANCE	AMORTISATION FOR THE YEAR	DEDUCTIONS/ ADJUSTMENTS	TOTAL AMORTIZATION/ ADJUSTMENTS	31.03.2025	31.03.2024
19	Computer Software	2,28,20,426.00	29,28,809.00	-	2,57,49,235.00	40.00%	2,10,91,315.60	24,79,168.00	-	2,35,70,483.60	21,78,751.40	17,29,110.40
20	E-Journals	5,47,54,224.00	3,22,86,672.00	-	8,70,40,896.00	40.00%	3,25,82,701.40	2,90,66,945.60	-	6,16,49,647.00	2,53,91,249.00	2,21,71,522.60
21	Patents	-	10,77,542.00	-	10,77,542.00	9 YEARS	-	-	-	-	10,77,542.00	-
TOTAL (C)		7,75,74,650.00	3,62,93,023.00	-	11,38,67,673.00		5,36,74,017.00	3,15,46,113.60	-	8,52,20,130.60	2,86,47,542.40	2,39,00,633.00
GRAND TOTAL (A+B+C)		5,37,72,95,390.00	81,89,30,839.00	9,00,54,269.00	6,10,61,71,960.00		61,28,12,102.30	15,04,64,319.93	-	76,32,76,422.23	5,34,28,95,537.76	4,76,44,83,287.69

Accountant

Asst. Registrar (F/A)

SCHEDULE 4(i)A - FIXED ASSETS (Plan)

Amounts in Rupees

S.NO	ASSET HEADS	GROSS BLOCK				DEPRECIATION FOR THE YEAR 2024-25					NET BLOCK	
		OP. BAL 01.04.2024	ADDITIONS	DEDUCTIONS	CL. BALANCE	RATE OF DEPRECIATION (%)	DEP OPENING BALANCE	DEPRECIATION FOR THE YEAR	DEDUCTIONS/ ADJUSTMENTS	TOTAL DEPRECIATION	31.03.2025	31.03.2024
1	Land	21,13,47,700.00		-	21,13,47,700.00	0.00%	-		-	-	21,13,47,700.00	21,13,47,700.00
2	Site Development	-		-	-	0.00%	-		-	-	-	-
3	Buildings	2,28,35,63,219.00	71,67,547.00	-	2,29,07,30,766.00	2.00%	26,54,76,684.28	4,58,14,614.78	-	31,12,91,299.06	1,97,94,39,466.94	2,01,80,86,534.72
4	Roads & Bridges	9,39,75,623.00		-	9,39,75,623.00	2.00%	1,12,82,808.04	18,79,512.82	-	1,31,62,320.86	8,08,13,302.14	8,26,92,814.96
5	Tubewells and Water Supply	2,17,90,227.00	2,48,500.00	-	2,20,38,727.00	2.00%	28,98,795.78	4,40,774.54	-	33,39,570.32	1,86,99,156.68	1,88,91,431.22
6	Sewerage & Drainage	2,54,23,508.00	37,51,075.00	-	2,91,74,583.00	2.00%	30,04,433.32	5,83,492.44	-	35,87,925.76	2,55,86,657.24	2,24,19,074.68
7	Electrical Installation & Equipment	29,84,09,789.00	7,74,18,710.00	-	37,58,28,499.00	5.00%	5,06,37,958.60	1,87,91,424.95	-	6,94,29,383.55	30,63,99,115.45	24,77,71,830.40
8	Plant & Machinery	90,39,861.00	8,88,000.00	-	99,27,861.00	5.00%	20,20,494.40	4,96,393.05	-	25,16,887.45	74,10,973.55	70,19,366.60
9	Scientific & Laboratory Equipment	7,04,34,587.50	3,73,42,194.00	-	10,77,76,781.50	8.00%	1,45,55,091.60	86,22,142.52	-	2,31,77,234.12	8,45,99,547.38	5,58,79,495.90
10	Office Equipment	24,76,974.00	29,41,411.00	-	54,18,385.00	7.50%	5,94,786.17	4,06,378.88	-	10,01,165.05	44,17,219.96	18,82,187.84
11	Audio Visual Equipment	36,79,281.00	5,92,086.00	-	42,71,367.00	7.50%	13,51,770.01	3,20,352.53	-	16,72,122.54	25,99,244.47	23,27,511.00
12	Computers & Peripherals	8,22,77,206.00	3,95,02,331.00	-	12,17,79,537.00	20.00%	6,06,54,273.00	1,68,66,267.20	-	7,75,20,540.20	4,42,58,996.80	2,16,22,933.00
13	Furniture Fixtures & Fittings	10,29,17,520.00	88,54,658.00	-	11,17,72,178.00	7.50%	4,97,21,099.13	83,82,913.35	-	5,81,04,012.48	5,36,68,165.52	5,31,96,420.87
14	Vehicles	35,81,553.00	1,25,000.00	-	37,06,553.00	10.00%	26,07,900.00	3,70,655.30	-	29,78,555.30	7,27,997.70	9,73,653.00
15	Lib. Books & Scientific Journals	7,36,31,873.50	8,26,551.00	-	7,44,58,424.50	10.00%	3,11,46,275.10	74,45,842.45	-	3,85,92,117.55	3,58,66,306.95	4,24,85,598.40
16	Small Value Assets	44,140.00		-	44,140.00	100.00%	44,140.00		-	44,140.00	-	-
17	Other Assets	-		-	-	0.00%	-		-	-	-	-
	TOTAL (A)	3,28,25,93,062.00	17,96,58,063.00	-	3,46,22,51,125.00		49,59,96,509.42	11,04,20,764.81	-	60,64,17,274.23	2,85,58,33,850.77	2,78,65,96,552.58
18	Capital Work In Progress (B)	1,91,16,86,722.00	59,77,18,179.00	9,00,54,269.00	2,41,93,50,632.00	-	-	-	-	-	2,41,93,50,632.00	1,91,16,86,722.00

S.NO	INTANGIBLE ASSETS	OP. BAL 01.04.2024	ADDITIONS	DEDUCTIONS	CL. BALANCE	RATE OF DEPRECIATION (%)	DEP OPENING BALANCE	AMORTISATION FOR THE YEAR	DEDUCTIONS/ ADJUSTMENTS	TOTAL AMORTIZATION/ ADJUSTMENTS	31.03.2025	31.03.2024
19	Computer Software	1,45,84,423.00	29,28,809.00	-	1,75,13,232.00	40.00%	1,28,55,312.60	24,79,168.00	-	1,53,34,480.60	21,78,751.40	17,29,110.40
20	E-Journals	5,47,54,224.00	3,22,86,672.00	-	8,70,40,896.00	40.00%	3,25,82,701.40	2,90,66,945.60	-	6,16,49,647.00	2,53,91,249.00	2,21,71,522.60
21	Patents	-	10,77,542.00	-	10,77,542.00	9 YEARS	-		-	-	10,77,542.00	-
	TOTAL (C)	6,93,38,647.00	3,62,93,023.00	-	10,56,31,670.00		4,54,38,014.00	3,15,46,113.60	-	7,69,84,127.60	2,86,47,542.40	2,39,00,633.00
	GRAND TOTAL (A+B+C)	5,26,36,18,431.00	81,36,69,265.00	9,00,54,269.00	5,98,72,33,427.00		54,14,34,523.42	14,19,66,878.41	0.00	68,34,01,401.83	5,30,38,32,025.17	4,72,21,83,907.58

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SCHEDULE 4(i)B - FIXED ASSETS OTHERS (TEQIP/Projects/Others)

Amounts in Rupees

S.NO	ASSET HEADS	GROSS BLOCK				DEPRECIATION FOR THE YEAR 2024-25					NET BLOCK	
		OP. BAL 01.04.2024	ADDITIONS	DEDUCTIONS	CL. BALANCE	RATE OF DEPRECIATION (%)	DEP OPENING BALANCE	DEPRECIATION FOR THE YEAR	DEDUCTIONS/ ADJUSTMENTS	TOTAL DEPRECIATION	31.03.2025	31.03.2024
1	Land	-		-	-	0.00%	-		-	-	-	-
2	Site Development	-		-	-	0.00%	-		-	-	-	-
3	Buildings	-		-	-	2.00%	-		-	-	-	-
4	Roads & Bridges	-		-	-	2.00%	-		-	-	-	-
5	Tubewells and Water Supply	6,41,282.00		-	6,41,282.00	2.00%	25,651.28	12,825.64	-	38,476.92	6,02,805.08	6,15,630.72
6	Sewerage & Drainage	-		-	-	2.00%	-		-	-	-	-
7	Electrical Installation & Equipment	1,43,986.00	59,652.00	-	2,03,638.00	5.00%	28,797.20	10,181.90	-	38,979.10	1,64,658.90	1,15,188.80
8	Plant & Machinery	63,67,124.00		-	63,67,124.00	5.00%	15,03,741.00	3,18,356.20	-	18,22,097.20	45,45,026.80	48,63,383.00
9	Scientific & Laboratory Equipment	7,68,49,375.00	44,23,806.00	-	8,12,73,181.00	8.00%	4,46,01,834.12	65,01,853.80	-	5,11,03,687.92	3,01,69,493.08	3,22,47,540.88
10	Office Equipment	23,65,156.00		-	23,65,156.00	7.50%	15,99,407.50	1,77,386.35	-	17,76,793.85	5,88,362.15	7,65,748.50
11	Audio Visual Equipment	10,70,948.00		-	10,70,948.00	7.50%	2,29,421.00	80,321.00	-	3,09,742.00	7,61,206.00	8,41,527.00
12	Computers & Peripherals	1,40,83,426.00	7,78,116.00	-	1,48,61,542.00	20.00%	1,24,06,142.60	11,02,542.20	-	1,35,08,684.80	13,52,857.20	16,77,283.40
13	Furniture Fixtures & Fittings	39,19,659.00		-	39,19,659.00	7.50%	27,46,581.18	2,93,974.43	-	30,40,555.61	8,79,103.40	11,73,077.83
14	Vehicles	-		-	-	10.00%	-		-	-	-	-
15	Lib. Books & Scientific Journals	-		-	-	10.00%	-		-	-	-	-
16	Small Value Assets	-		-	-	100.00%	-		-	-	-	-
17	Other Assets	-		-	-	0.00%	-		-	-	-	-
TOTAL (A)		10,54,40,956.00	52,61,574.00		11,07,02,530.00		6,31,41,575.88	84,97,441.52	-	7,16,39,017.40	3,90,63,512.61	4,22,99,380.13
18	Capital Work In Progress (B)	-	-		-						-	

S.NO	INTANGIBLE ASSETS	OP. BAL 01.04.2024	ADDITIONS	DEDUCTIONS	CL. BALANCE	RATE OF DEPRECIATION (%)	DEP OPENING BALANCE	AMORTISATION FOR THE YEAR	DEDUCTIONS/ ADJUSTMENTS	TOTAL DEPRECIATION	31.03.2025	31.03.2024
19	Computer Software	82,36,003.00	-	-	82,36,003.00	40.00%	82,36,003.00	-	-	82,36,003.00	-	-
20	E-Journals	-	-	-	-	40.00%	-	-	-	-	-	-
21	Patents	-	-	-	-	9 YEARS	-	-	-	-	-	-
TOTAL (C)		82,36,003.00	-	-	82,36,003.00		82,36,003.00	-	-	82,36,003.00	-	-
GRAND TOTAL (A+B+C)		11,36,76,959.00	52,61,574.00	-	11,89,38,533.00		7,13,77,578.88	84,97,441.52	-	7,98,75,020.40	3,90,63,512.61	4,22,99,380.13

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SCHEDULE 5 - INVESTMENTS

Amount in Rupees

Sl.no	Particulars	Current Year 2024-25		Previous Year 2023-24	
		-		-	
	TOTAL		-		-

SCHEDULE 6 - INVESTMENTS- OTHERS

Amount in Rupees

Sl.no	Particulars	Current Year 2024-25		Previous Year 2023-24	
	TOTAL	-	-		

SCHEDULE -7 Current Assets

Amount in Rupees

Sl.no	Particulars	Current Year 2024-25		Previous Year 2023-24	
(a)	**Bank balance with schedule bank**				
1.	Canara Bank - 28319	85,150.00		22,54,239.00	
2.	Cont. Edu Prog(CEP 10678399463)	16,681.29		16,239.29	
3.	Edu Loan A/c (34620592283)	28,75,731.20		2,70,32,845.20	
4.	PFMS-SBI (38610513962)	1,59,453.50		1,60,102.50	
5.	SBI Bank(Net Banking)- 37806905911	1,54,670.62		1,55,319.62	
6.	SBI FORIEGN REMITANCE AC NO. 37969125197	15,133.63		2,43,35,278.15	
7.	SBI Group Insurance A/c 30181765720	4,78,478.00		4,65,800.00	
8.	SBI Online Student Fee. A/c -33117999641	7,13,90,652.00		23,16,95,102.14	
9.	SBI Saving A/c -10678399349	2,16,48,205.99		8,66,39,652.93	
10.	SBI Scholarship A/c (34620603401)	86,85,563.50		71,18,712.50	
11.	SBI Spon.Res Project Grant - 10678399441	12,47,918.81		1,41,06,918.31	
12.	HDFC SB A/c. 50100374819962	4,52,034.58		15,02,100.08	
13.	PFMS-RBI (10680401001)	-12,35,95,451.00		-1,84,63,691.00	
14	SBI BANK R & C A/c (38246478714)	4,42,65,747.30		3,42,83,789.60	
15	IAC 2023 A/c (42309459565)	-		8,63,381.78	
	Total (a)		**2,78,79,969.42**		**41,21,65,790.10**
(c)	**T.D.S. Recoverable from I.T. Dept.**				
1.	T.D.S. (2014-15)	15,50,650.00		15,50,650.00	
2.	T.D.S. (2023-24)	-		1,40,11,970.00	
3.	T.D.S. (2024-25)	79,96,676.70			
	Total (c)		**95,47,326.70**		**1,55,62,620.00**

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Sl.no	Particulars	Current Year 2024-25		Previous Year 2023-24	
(d)	**Fixed Deposits (Current Assets)**				
1	Auto Sweep FD HDFC (50300936887135)	-		28,74,00,000.00	
2	FD HDFC (50300524827542)	-		2,25,11,861.20	
3	FD HDFC (50300525128539)	-		2,25,92,477.60	
4	FD HDFC (50300525446776)	-		2,26,12,335.20	
5	FD HDFC (50300525586685)	-		2,26,17,717.20	
6	FD HDFC (50300526361702)	-		2,26,10,431.45	
7	FD Canara Bank (145000230211/1)	-		5,29,62,923.00	
8	FD Canara Bank (145000230211/2)	-		5,29,62,923.00	
9	FD Canara Bank (145000230211/3)	-		5,29,62,923.00	
10	FD Canara Bank (145000230211/4)	-		5,29,62,923.00	
11	FD Canara Bank (145000230211/5)	-		5,29,62,923.00	
12	FD Canara Bank (145000230211/6)	-		5,29,62,923.00	
13	FD Canara Bank (145000230211/7)	-		5,29,62,923.00	
14	FD Canara Bank (145000230211/8)	-		5,29,62,923.00	
15	FD Canara Bank (145000230211/9)	-		5,29,62,923.00	
16	FD Canara Bank (145000230211/10)	-		5,29,62,923.00	
17	FD Canara Bank (145000230211/11)	-		4,23,70,338.00	
18	FD with SBI 41790862070	-		25,00,00,000.00	
19	FD with SBI 41792217700	-		25,00,00,000.00	
20	FD with SBI 41792219810	-		25,00,00,000.00	
21	FD with SBI 41792221400	-		25,00,00,000.00	
22	FD with SBI 41792223361	-		25,00,00,000.00	
23	FD with SBI 41792226328	-		43,86,22,299.00	
24	FD Bandhan Bank (82000046302998/1	5,25,91,382.00			
25	FD Canara Bank (145000499533/1)	2,00,71,131.00			
26	FD Canara Bank (145000499533/10)	2,00,71,131.00			
27	FD Canara Bank (145000499533/11)	2,00,71,131.00			
28	FD Canara Bank (145000499533/12)	2,00,71,131.00			
29	FD Canara Bank (145000499533/13)	2,00,71,131.00			
30	FD Canara Bank (145000499533/14)	2,00,71,131.00			
31	FD Canara Bank (145000499533/15)	2,00,71,131.00			
32	FD Canara Bank (145000499533/16)	1,58,45,629.00			
33	Fd Canara Bank (145000499533/2)	2,00,71,131.00			
34	FD Canara Bank (145000499533/3	2,00,71,131.00			
35	FD Canara Bank (145000499533/4)	2,00,71,131.00			
36	FD Canara Bank (145000499533/5)	2,00,71,131.00			
37	FD Canara Bank (145000499533/6)	2,00,71,131.00			
38	FD Canara Bank (145000499533/7)	2,00,71,131.00			
39	FD Canara Bank (145000499533/8)	2,00,71,131.00			
40	FD Canara Bank (145000499533/9)	2,00,71,131.00			
41	FD-HDFC (50300985582265)	2,42,47,212.00			
42	FD-HDFC(50300985583972)	2,42,62,700.00			
43	FD-HDFC (50300985585389)	2,41,66,594.00			
44	FD-HDFC (50300987972763)	2,42,32,295.00			
45	FD-HDFC (50300987980097)	2,42,62,747.00			
46	FD-HDFC (50301054335666)	10,18,233.00			
47	FD-HDFC (50301062658431)	4,34,70,399.00			
48	FD-HDFC (50301122946412)	30,90,00,000.00			
49	FD HDFC BANK (50300967546011)	63,52,94,396.00			
50	FD IDFC First Bank (10180529929)	5,32,12,833.00			
51	FD JANA SMALL FINANCE BANK (3308030014623627/1)	2,63,40,794.00			
52	FD SBI (43433221065)	11,23,41,887.46			
53	fD SBI (43709635358)	18,55,000.00			
54	Fd SBI (43798414265)	1,27,80,000.00			
55	FD SBI (43813583488)	3,28,13,206.80			
56	FD SBI (43890223580)	2,74,52,000.00			
57	FD SBI (43960343956)	5,34,00,000.00			
58	FD Ujjivan Small Finance Bank (3354130410000006	1,34,23,988.00			
59	FD Ujjivan Small Finance Bank (3354130410000007	1,34,19,938.00			
60	Fd with Canara Bank -140212034814	26,00,000.00			
61	Fd with Canara Bank -145000230211	61,75,47,674.00			
62	Fixed Deposits ICICI BANK (260413004100)	10,63,52,252.00			
63	Fixed Deposits Indusind Bank (301005372831)	10,59,91,334.89			
64	Fixed Deposits PNB (289400LR00000029)	26,46,00,002.00			
65	Fixed Deposits SBI (42930974814)	25,00,00,000.00			
66	Fixed Deposit Yes Bank (018031400000010)	5,27,12,508.20			
67	HDFC-FD (50301098142992)	4,00,00,000.00			
68	HDFC-FD (50301098143637)	4,00,00,000.00			
69	HDFC-FD (50301098144985)	4,00,00,000.00			
70	HDFC-FD (50301098146225)	4,00,00,000.00			
	Total (d)		**3,38,63,01,970.35**		**2,66,09,66,689.65**

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Sl.no	Particulars	Current Year 2024-25		Previous Year 2023-24	
(e)	**Other Receivables (Current Assets)**				
1	CHABBRA ASSOCIATES	-		-	
2	IIIT Ranchi	97,33,352.00		97,33,352.00	
3	Medical Policy for Student (Receivable)	11,68,080.00		11,68,080.00	
4	M/s Eagle Infra Limited	14,160.00		14,160.00	
5	Tax on Advance	15,102.00		15,102.00	
6	Sysnet Global Technologies P. Ltd.	16,439.00		16,439.00	
7	Excess Premium Paid to LIC	1,170.00		1,170.00	
8	State Bank of India	8,480.82		8,480.82	
9	Receivable From SERB	3,12,028.00		3,12,028.00	
10	Mr. Gourav Kumar (Night Canteen - Hostel I & K)	6.00		6.00	
11	M/s Amba Store	69.00		13,571.00	
12	Ayaansh Enterprises	-		3,000.00	
13	Vikash Kumar (Night Canteen)	241.00		2,348.00	
14	Indo- Japan Project	18,982.00		-	
15	NITJSR - Centre for Innovation and Incubation Council	47,200.00		-	
16	Nexgen Venture	14,76,978.00		-	
17	Bridge & Roof Co. (I) Ltd.	1,52,220.00		-	
18	Myriad Studio Architects	47,200.00		-	
19	Veneklasen Associates	57,431.00		-	
20	Shree Balaji Engincons Ltd.	6.00		-	
21	Suhana Merchandise Pvt. Ltd.	5,664.00		-	
22	Tata Steel Ltd.(Avaition Service Jamshedpur)	23,600.00		-	
23	HSCL Ranchi	3,22,258.00		-	
24	U. P. Project Corporation Ltd.	2,36,000.60		-	
	Total (e)		**1,36,56,667.42**		**1,12,87,736.82**
	GRAND TOTAL		**3,43,73,85,933.89**		**3,09,99,82,836.57**

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SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
A. Advances				
a.) Out of Capital fund				
i). Opening Balance	2,90,72,179.39		4,29,59,779.39	
ii). Add Paid during the Year	-		-	
iii).Less Adjusted during the Year	-8,98,818.38		-1,38,87,600.00	
Advance outstanding for more than 6 months		2,81,73,361.01		2,90,72,179.39
Advance outstanding for less than 6 months		-		-
Total		2,81,73,361.01		2,90,72,179.39
b.) Out of Revenue fund				
i). Opening Balance	1,19,90,067.79		1,24,31,886.79	
ii). Add Paid during the Year	80,51,690.00		50,65,300.00	
iii). Less Recovered during the Year	-24,62,137.50		-33,63,866.00	
iv). Less Adjusted during the Year	-37,59,211.50		-21,43,253.00	
v). Less Re-grouped				
Advance outstanding for more than 6 months		1,19,44,965.79		1,13,99,673.79
Advance outstanding for less than 6 months		18,75,443.00		5,90,394.00
Total		1,38,20,408.79		1,19,90,067.79
c.) Advances to CPWD				
i. Capital Advance				
i). Opening Balance	7,47,04,108.00		15,98,02,329.00	
ii). Add Paid during the Year	62,75,47,546.00		31,73,80,806.00	
iii). Less Adjusted during the Year	-			
iv). Less trf to Capital Work in progress	-59,77,18,179.00	10,45,33,475.00	-40,24,79,027.00	7,47,04,108.00
ii. Revenue Advance				
i). Opening Balance	1,94,82,571.00		1,90,18,668.00	
ii). Add Paid during the Year	1,21,00,000.00		2,41,00,000.00	
iii). Less Adjusted during the Year	-		-2,36,36,097.00	
iv). Less trf to Expnditure	-76,72,115.00	2,39,10,456.00		1,94,82,571.00
B.) Security Deposit to HEFA	10,69,07,672.57		10,39,04,440.57	
Add: During the year	-		-	
Add: Interest received	56,24,863.43		30,03,232.00	
Less: TDS Receivable	-	11,25,32,536.00	-	10,69,07,672.57
C.) Security Deposit to Others				
i). Jusco Ltd.	62,64,237.00		62,64,237.00	
ii). Security deposit for LPG	5,050.00		5,050.00	
ii). Security deposit to BSNL	13,799.00			
ii). Security deposit for Appeal to ALC	1,72,966.00	64,56,052.00		62,69,287.00
D.) R&C Deptt. - Advance				
i). Opening Balance	2,91,351.00		-	
ii). Add Paid during the Year	35,58,534.00		10,03,000.00	
iii). Less Adjusted/Recovery during the Year	-30,58,391.00	7,91,494.00	-7,11,649.00	2,91,351.00
E.) Accrued Income				
Interest accrued on Term Deposits	4,57,26,448.67		26,93,148.35	
Interest Accrued on Security Deposits	99,711.00		7,268.00	
Interest Accrued on FD (Institute Dev Fund)	-		40,292.00	
Interest Accrued on FD (Maintenance Fund)	-		653.00	
Interest Accrued on FD (Staff Dev Fund)	-		1,714.00	
Interest Accrued on FD (CEP)	-	4,58,26,159.67	8,721.00	27,51,796.35
TOTAL		33,60,43,942.47		25,14,69,033.10

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SCHEDULE 9 - ACADEMIC RECEIPTS

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
A. Academic				
1. Tuition fee	17,82,73,413.00		20,68,79,211.00	
2. Library Fee	1,75,27,000.00		1,83,39,500.00	
3. Institute Fee (Executive Ph.d)	82,500.00		3,23,000.00	
4. Admission/Processing Fee inst Cont	41,000.00		97,500.00	
5. PhD Thesis Fee	3,95,000.00			
6. Institute Development Fee	1,33,30,000.00	**20,96,48,913.00**	3,35,000.00	**22,59,74,211.00**
B. Examinations				
1. Examination Fee	87,63,000.00		46,48,000.00	
2. Degree Fee	30,01,500.00		27,41,000.00	
3. Migration Fee	1,64,700.00	**1,19,29,200.00**	49,850.00	**74,38,850.00**
C. Other Fee				
1. Fine/Misc Fee	14,45,758.00		18,53,361.00	
2. Medical & Insurance Fee	85,20,500.00		45,37,500.00	
3. Bus Charges (Transportation Fee)	86,48,069.00		91,54,871.00	
4. E Campus Fee	1,72,49,500.00		1,81,50,000.00	
5. Training & Placement Fee	92,18,000.00		45,38,000.00	
6. Computer & Internet Fee	86,43,084.00		91,35,256.00	
7. Student wellness Fee	43,11,000.00		45,37,500.00	
8.Convocation Fee	-		-	
9. Library Book Fine	1,15,097.12		1,75,499.20	
10. PhD Application Fee	4,91,000.00		4,71,500.00	
11. Transcript Fee	2,67,000.00		1,18,850.00	
12. Maintance & Establishment Fee	3,55,18,000.00		5,16,83,413.00	
13. Mtech Application Fee	2,36,000.00			
14. Supplementary Exam Fee	1,31,200.00	**9,47,94,208.12**	3,34,666.00	**10,46,90,416.20**
D. Revenue from Testing Consultancy		**80,18,802.50**		**72,60,848.49**
TOTAL		**32,43,91,123.62**		**34,53,64,325.69**

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SCHEDULE 10 - GRANTS/SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
Grant Received from Govt. of India				
Revenue Grant (Recurring) Received				
- Other than PFMS Grant	-		-	
- PFMS Grant	1,22,14,63,764.00		1,23,63,80,028.00	
Less: Trf to Capital Fund to the extent utilized for Cap. Expend.	-		-	
Less: Trf to Unutilised Grant	-		-	
Less: Grant Returned Back	-		-2,746.00	
Add: Trf from Unutilised Grant	-		-	
TOTAL		**1,22,14,63,764.00**		**1,23,63,77,282.00**

SCHEDULE 11 - INCOME FROM INVESTMENTS

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
Interest on Security Deposit	57,24,574.43		30,03,232.00	
Int on Term Deposits	22,25,77,420.12		16,44,38,935.10	
TOTAL		**22,83,01,994.55**		**16,74,42,167.10**

SCHEDULE 12 - INTEREST EARNED

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
Int on S.B. A/c No. 33117999641	25,15,948.00		38,13,293.00	
Int on Canara Bank S.B a/c (28319)	3,48,852.00		9,65,689.00	
Int on SB A/c No.10678399441	2,93,502.00		4,13,156.00	
Interest on TDS Receivable	4,28,976.00		2,80,763.60	
Int on SB A/c No.10678399349	3,35,613.00		2,61,689.00	
Interest on HDFC Bank A/c No. 50100374819962	24,73,942.00		24,13,575.00	
TOTAL		**63,96,833.00**		**81,48,165.60**

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SCHEDULE 13 - OTHER INCOME

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
A. Income from Land and Building				
1. Hostel Room Rent Fee Receipt	4,20,69,375.00		4,46,09,625.00	
2. License fee (House Rent Recovery)	23,69,982.00		18,68,494.00	
3. Electricity charges recovered	39,10,359.00		36,74,652.88	
4. Water Charges recovered	1,08,634.00		1,05,436.00	
5. Elect.& Water Chg Receipts (Student)	1,41,88,336.00		1,48,93,511.00	
6. Let Out Property/Quarters	5,76,215.46		10,73,717.23	
Total (A)		**6,32,22,901.46**		**6,62,25,436.11**
B. Others				
1. Leave Salary Contribution	2,77,200.00		1,87,581.00	
2. LTC Recovery	-		4,40,966.00	
3. Misc Income	38,88,697.93		13,58,764.20	
4. Pension Contribution	4,75,632.00		68,211.00	
5. Project Overhead Receipt	13,17,903.00		7,50,599.00	
6. Recruitment Application Fee	-		20,28,000.00	
8. Vehicle Recovery	-		777.00	
9. Penalty Charges Receipt	-		4,377.00	
10. Sale of Scrap Battery	-		18,50,011.00	
Total (B)		**59,59,432.93**		**66,89,286.20**
TOTAL (A+B)		**6,91,82,334.39**		**7,29,14,722.31**

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SCHEDULE 14 - PRIOR PERIOD INCOME

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
a) Academic Receipt	-		-	
b) Income From Investment	-		-	
c) Interest Earned	-		-	
d) Other Income	-		-	
TOTAL		-		-

SCHEDULE 15 - STAFF PAYMENTS & BENEFITS (Establishment Expenses)

Amount in Rupees

Particulars	Current Year 2024-25 (Non Plan)		Previous Year 2023-24 (Non Plan)	
a) Salary and Wages				
1) Adm & Tech Staff Regular	14,69,98,531.00		14,50,05,687.00	
2) Academic Staff Regular	48,19,95,757.00		42,82,63,342.00	
3) Adm & Tech Staff Adhoc	38,45,406.00		63,23,881.00	
4) Academic staff Adhoc	24,79,900.00		36,43,156.00	
		63,53,19,594.00		**58,32,36,066.00**
b) Contribution to National Pension Scheme	3,65,87,818.00		3,04,81,132.00	
c) LTC Facility	33,96,096.00		22,68,075.00	
d) Children Education Allowance	28,77,238.00		24,84,000.00	
e) Honorarium			-	
f) Professional Development Allowance (CPDA)	68,33,506.00		78,37,223.00	
g) Leave Encashment aganist LTC	37,18,123.00		19,35,439.00	
h) Medical Facility	99,98,281.00		76,75,549.00	
i) Uniform Allowance	4,68,750.00		3,85,000.00	
j) Retirement Benefits				
1) Gratuity (Actuarial)	-1,73,36,981.00		5,51,09,015.00	
2) Leave Encashment (Actuarial)	91,23,045.00		2,69,22,773.00	
3) Arrear of Pension & Family Pension	41,86,094.00		2,12,15,997.00	
k) Arrear Salary Academic Staff	7,94,118.00		-	
l) Arrear Salary Adm & Tech Staff	1,69,528.00		5,33,391.00	
m) DA/TA Arrear (Academic Staff)	11,614.00		27,775.00	
n) DA/TA Arrear (Adm & Tech Staff)	52,143.00		18,837.00	
o) Pension	20,33,36,239.00		18,91,47,765.00	
p) Pension Commutation	-1,16,07,762.00		1,20,91,756.00	
		25,26,07,850.00		**35,81,33,727.00**
Total Staff payment & Benefit		**88,79,27,444.00**		**94,13,69,793.00**
TOTAL		**88,79,27,444.00**		**94,13,69,793.00**

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SCHEDULE 16 - ACADEMIC EXPENSES

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
a) Examination Expenses	15,43,033.00		9,45,375.00	
b) Convocation Expenses	25,30,331.50		24,91,097.00	
c) Stipend (PG, Phd & other students)	10,82,18,623.00		9,35,35,888.00	
d) Training and Placement Exp	14,96,873.00		11,94,065.00	
e) HRA (Stipend)	1,55,91,591.00		1,25,33,858.00	
f) Honorerium to Visiting Faculty & Others	52,34,586.00		31,34,930.00	
g) Laboratory Expenses	13,11,658.00		11,85,358.00	
h) Arrear of Stipend & HRA	18,87,474.00		1,82,77,922.00	
i) Seminars/Conference/Workshop Exp	26,56,651.00		18,76,854.00	
TOTAL		**14,04,70,820.50**		**13,51,75,347.00**

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SCHEDULE 17 (a & b)- ADMINISTRATIVE AND GENERAL EXPENSES

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
A. Infrastructure				
a) Electricity and Power	2,72,23,510.00		2,58,48,320.00	
b) Water Charges	23,28,144.00		23,22,144.00	
b) Holding Taxes	79,95,750.00		70,06,579.00	
		3,75,47,404.00		**3,51,77,043.00**
B. Departmental Operating Cost	35,29,367.00	**35,29,367.00**	30,34,416.00	**30,34,416.00**
C. Communication				
a) Postage and Stationery	1,19,729.00		1,12,131.00	
b) Telephone Charges	3,56,715.00		63,744.00	
c) Internet Port Charges	31,62,085.00		37,69,510.00	
		36,38,529.00		**39,45,385.00**
D. Advertisement and Publicity	3,98,560.00	**3,98,560.00**	4,30,716.00	**4,30,716.00**
E. Legal Expenses	10,30,791.00	**10,30,791.00**	10,81,912.00	**10,81,912.00**
F. Others				
a) Printing and Stationery	8,18,343.00		9,44,492.00	
b) Travelling and Conveyance Expenses	34,71,674.00		53,26,722.00	
c) Hospitality Expenses	5,51,492.00		1,47,381.00	
d) Auditors Remuneration:				
i. Statutory Audit fee & Remunaration			4,91,400.00	
e) Professional Charges	30,88,762.00		26,83,178.00	
f) Meeting Expenses	60,854.00		76,477.00	
g) Misc. Expenses	18,37,186.00		3,87,208.00	
i) Interview/Recruitment Expenses	16,84,158.00		2,63,011.00	
j) GST on Purchase from URP under RCM	12,89,965.00		11,62,214.00	
k) Security Expenses	3,68,58,173.00		2,82,70,397.00	
l) Manpower Services	2,51,43,835.00		1,22,80,374.00	
m) NIT Transit House	3,50,000.00		-	
m) Gardening Expenses	11,19,805.00		-	
n) Pest Contraol Services	3,66,263.00		72,098.00	
		7,66,40,510.00		**5,21,04,952.00**
Total Administrative and General Exp		**12,27,85,161.00**		**9,57,74,424.00**
Expenses from IRG				
Testing & Consultancy Expenses	38,68,147.00		77,40,543.00	
Medical Insurance - Students	55,736.00		35,30,172.00	
Foreign Exchange Fluctuation Loss	1,05,569.00		5,96,038.36	
Fee Returned to Students	1,46,167.00			
Repair & Maintenance (Lift)	18,98,697.00			
Ambulance Hiring Charges	2,23,136.00			
Hostel Maintenance - DOC	6,11,471.00		20,68,914.00	
		69,08,923.00		**1,39,35,667.36**
		-		-
Total		**12,96,94,084.00**		**10,97,10,091.36**

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SCHEDULE 18 - TRANSPORTATION EXPENSES

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
(a) Vehicle Running and Maintenance Exp	28,83,494.00		21,02,046.00	
(b) Vehicle Insurance and Taxes	23,699.00		1,82,804.00	
Total		**29,07,193.00**		**22,84,850.00**

SCHEDULE 19 - REPAIRS AND MAINTENANCE

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
(a) Repair & Maintenance (Refrigeration & AC)	4,56,398.00		5,19,012.00	
(b) Repair & Maintenacne (Computer and Networking)	13,20,171.00		2,72,758.00	
(c) Repair & Maintenace (Electrical)	10,02,153.00		1,29,16,492.00	
(d) Sanitation and Cleaning	2,91,97,101.00		2,54,95,452.00	
(e) Repair and Maintenance (furniture & fixture)	1,49,465.00		2,23,045.00	
(f) Repair and Maintenance (Civil Work)	20,29,305.00		17,55,874.00	
(g) Repair & Maintenance (P&M, Equipment)	67,361.00		1,39,408.00	
(h) Repair & Maintenance (CPWD)	1,13,40,943.00		1,14,08,760.00	
Total		**4,55,62,897.00**		**5,27,30,801.00**

SCHEDULE 20 - FINANCE COST

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
(a) Bank Charges	57,711.52		65,068.89	
(b) Stamp Duty & Taxes			-	
(c) Interest on HEFA Loan	4,83,38,615.00		3,58,68,626.00	
Total		**4,83,96,326.52**		**3,59,33,694.89**

SCHEDULE 21 - OTHER EXPENSES

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
(a) Provision for Bad and Doubtful Debts/Advance			-	
(b) Irrecoverable Balances Written-off			-	
(c) Grants/Subsidied to othrs institutions/organisation			-	
(d) Round off	18.03		38.38	
Total		**18.03**		**38.38**

SCHEDULE 22 - PRIOR PERIOD EXPENDITURE

Amount in Rupees

Particulars	Current Year 2024-25		Previous Year 2023-24	
(a) Academic Expenses			3,63,897.00	
(b) Administrative Expenses	29,105.00		-	
(c) Establishment Exp.			-	
(d) Other Expenses	20,24,790.00		1,16,34,168.00	
(e) Repairs and Maintenance			-	
Total		**20,53,895.00**		**1,19,98,065.00**

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SCHEDULE – 23

SIGNIFICANT ACCOUNTING POLICIES

1. Basis for preparation of accounts: The accounts are prepared under the Historical Cost Convention and generally on the Accrual method of accounting.

2. Revenue Recognition: Fees from students are accounted on realization basis. Fees collected from students towards Mess advance and Student Activities are transferred to relevant hostel and SAS accounts respectively. The expenditure incurred out of above fees are accounted by Dean(SW), Chief warden & PI, SAS and the same are not shown in Institute's Income & Expenditure Accounts.

3. Fixed Assets and Depreciation: Fixed assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation and commissioning. Depreciation on fixed assets is provided on Straight line method in annual accounts of the Institute at the rate as prescribed.

Since inception of the institute to 31.03.2014 fixed assets were being recorded at cost and no depreciation was being charged. Now the Asset Register till 31/03/2014 has been prepared in revised formats of financial statement for central higher educational institutions issued by MoE and the same had been presented before the CAG Audit team during audit of Annual Accounts for the FY 2019-20.

However, assets register has been prepared for assets purchased from 1st April 2014 and depreciation on the same is being charged at the rate prescribed in revised formats of financial statement for central higher educational institutions issued by MoE. Depreciation is provided for whole year on addition during the year.

4. Stocks: Inventories purchased by various departments/centres/sections are treated as consumed during the year of purchase and booked to revenue expenditure.

5. Retirement Benefits: Since FY 2020-21, provisions for Gratuity and Leave Encashment had been made on the basis of actuarial valuation. During the FY 2024-25, Rs.1,15,75,453.00 and Rs.98,72,349.00 has been paid for gratuity and leave encashment (retirement benefit) respectively. The balance of provisions for Gratuity and Leave Encashment at the end of FY 2024-25 is Rs.18,81,13,451.00 and Rs.18,00,11,863.00 respectively. Other retirement benefits are accounted on cash basis.

6. Government grants: Government grants are accounted on realization basis. However where a sanction for release of grant pertaining to the financial year is received before 31st March the same is accounted on accrual basis. Capital and Revenue Grant to the extent it is utilized for capital expenditure is added to Corpus/Capital Fund with effect from financial year 2014-15 as per guidelines given in the unified formats of financial statement for central higher educational institutions issued by MoE. Utilization certificates for Revenue and Capital Grant received for any year are issued only after receipt of Audit Certificate for that year.

7.Investments: The funds of the institute are deposited in short term fixed deposits/Savings bank account in nationalized banks. Interest earned on fixed deposits is accounted on accrual basis with effect from financial year 2014-15. Interest on saving accounts is accounted on cash basis. The income out of investment of balance of various funds is credited to respective fund account.

8. Income Tax: The income of the institute is exempted from Income Tax under section 10(23C) of the Income Tax Act. Therefore, no provision of Tax is made in the accounts.

9. PF Accounts: Since FY 2020-21 a saving bank account has been opened in the name of GENERAL PROVIDENT FUND, NIT JAMSHEDPUR and PF contributions are deposited in the above mentioned account.

10. Electricity & Licence Fee: Recovery of Electricity amount and Licence Fee are being accounted on realization basis.

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SCHEDULE – 24

CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

1. Contingent liabilities: i) As on 31.03.2025 arbitration case no. I.A.No. 1234 of 2012 in A.A.21 filed by Jamshedpur Utilities Service Co. Ltd. (JUSCO) presently known as Tata Steel Utilities and Infrastructure Services Limited (TSUIS) is pending for decision. The claim in the above case is amounting to Rs.8,59,16,657.00. (ii) GST appeal is pending for decision regarding GST liability Rs.1.52 crore plus penalty (if any) on security services of home guards (state government) received from Jharkhand Grih Raksha Vahini, Saraikela-Kharsawan by the Institute.

2. Capital commitment: There is no capital commitment towards contracts to be executed on capital account.

3. Current assets loans and advances: In the opinion of the Institute the current assets, loans, advances and deposits have a value on realization in the ordinary course equal at least to the aggregate amount shown in the balance sheet.

4. Capital & Revenue Grant: The Details of Capital and Revenue Grant received during F.Y. 2024-25 are as under:

Letter No.	Sanction Order Date	Instalment No.	Grant Amount
F.No.36-4/2024-TS.III [112-31]	18-04-2024	1st	₹ 4,74,,00,000
F.No.36-4/2024-TS.III [789-31]	18-04-2024	1st	₹ 37,00,000
F.No.36-4/2024-TS.III [796-31]	18-04-2024	1st	₹ 20,00,000
F.No.36-4/2024-TS.III [112-35]	18-04-2024	1st	₹ 4,10,00,000
F.No.36-4/2024-TS.III [789-35]	18-04-2024	1st	₹ 32,00,000
F.No.36-4/2024-TS.III [796-35]	19-04-2024	1st	₹ 17,00,000
F.No.36-4/2024-TS.III [112-36]	18-04-2024	1st	₹ 5,44,00,000
F.No.36-4/2024-TS.III [789-36]	18-04-2024	1st	₹ 43,00,000
F.No.36-4/2024-TS.III [796-35]	18-04-2024	1st	₹ 23,00,000
F.No.36-5/2024-TS.III [112-31]	24-04-2024	2nd	₹ 73,33,000
F.No.36-5/2024-TS.III [789-31]	26-04-2024	2nd	₹ 14,28,000
F.No.36-5/2024-TS.III [796-31]	24-04-2024	2nd	₹ 7,61,766
F.No.36-4/2024-TS.III [796-31]	09-05-2024	2nd	₹ 20,00,000
F.No.36-4/2024-TS.III [796-36]	09-05-2024	2nd	₹ 23,00,000
F.No.36-4/2024-TS.III [789-31]	09-05-2024	2nd	₹ 37,00,000
F.No.36-4/2024-TS.III [789-36]	09-05-2024	2nd	₹ 43,00,000
F.No.36-4/2024-TS.III [112-31]	09-05-2024	2nd	₹4,74,00,000

F.No.36-4/2024-TS.III [112-36]	09-05-2024	2nd	₹ 5,44,00,000
F.No.36-4/2024-TS.III [796-31]	11-06-2024	3rd	₹ 19,00,000
F.No.36-4/2024-TS.III [796-36]	11-06-2024	3rd	₹ 22,00,000
F.No.36-4/2024-TS.III [789-31]	11-06-2024	3rd	₹ 38,00,000
F.No.36-4/2024-TS.III [789-36]	11-06-2024	3rd	₹ 42,00,000
F.No.36-4/2024-TS.III [112-31]	11-06-2024	3rd	₹4,75,00,000
F.No.36-4/2024-TS.III [112-36]	11-06-2024	3rd	₹ 5,45,00,000
F.No.36-4/2024-TS.III [796-36]	29-07-2024	5th	₹ 15,00,000
F.No.36-4/2024-TS.III [789-36]	29-07-2024	5th	₹ 22,00,000
F.No.36-4/2024-TS.III [789-31]	29-07-2024	5th	₹ 29,00,000
F.No.36-4/2024-TS.III [112-35]	29-07-2024	5th	₹ 5,87,00,000
F.No.36-4/2024-TS.III [112-36]	29-07-2024	5th	₹ 2,82,00,000
F.No.36-4/2024-TS.III [112-31]	29-07-2024	5th	₹3,64,00,000
F.No.36-4/2024-TS.III [796-31]	12-08-2024	6th	₹ 15,00,000
F.No.36-4/2024-TS.III [796-36]	12-08-2024	6th	₹ 19,00,000
F.No.36-4/2024-TS.III [789-31]	12-08-2024	6th	₹ 28,00,000
F.No.36-4/2024-TS.III [789-36]	12-08-2024	6th	₹ 43,00,000
F.No.36-4/2024-TS.III [796-35]	26-07-2024	5th	₹ 26,00,000
F.No.36-4/2024-TS.III [789-35]	26-07-2024	5th	₹ 37,00,000
F.No.36-4/2024-TS.III [796-31]	29-07-2024	5th	₹ 15,00,000
F.No.36-5/2024-TS.III [112-31]	23-01-2025	8th	₹1,30,10,273
F.No.36-5/2024-TS.III [789-31]	21-01-2025	8th	₹ 5,00,000
F.No.36-5/2024-TS.III [796-31]	12-07-2024	3rd	₹ 1,87,431
F.No.36-5/2024-TS.III [112-31]	12-07-2024	3rd	₹ 2,00,000
F.No.36-5/2024-TS.III [112-31]	12-07-2024	3rd	₹ 1,00,00,000
F.No.36-4/2024-TS.III [112-36]	12-08-2024	6th	₹ 3,65,00,000
F.No.36-4/2024-TS.III [112-36]	12-08-2024	6th	₹ 5,43,00,000
F.No.36-4/2024-TS.III [796-35]	20-09-2024	7th	₹ 14,00,000
F.No.36-4/2024-TS.III [789-35]	20-09-2024	7th	₹ 24,00,000

F.No.36-4/2024-TS.III [796-31]	23-09-2024	7th	₹ 16,00,000
F.No.36-4/2024-TS.III [796-36]	23-09-2024	7th	₹ 23,00,000
F.No.36-4/2024-TS.III [789-31]	23-09-2024	7th	₹ 29,00,000
F.No.36-4/2024-TS.III [789-36]	23-09-2024	7th	₹ 42,00,000
F.No.36-4/2024-TS.III [112-35]	23-09-2024	7th	₹ 3,12,00,000
F.No.36-4/2024-TS.III [112-31]	23-09-2024	7th	₹ 3,61,00,000
F.No.36-4/2024-TS.III [112-36]	23-09-2024	7h	₹ 5,29,00,000
F.No.36-5/2024-TS.III [796-31]	24-10-2024	7th	₹ 9,03,294
F.No.36-5/2024-TS.III [789-31]	24-10-2024	6th	₹16,90,000
F.No.36-4/2024-TS.III [796-31]	24-10-2024	9th	₹ 19,00,000
F.No.36-4/2024-TS.III [796-35]	24-10-2024	9th	₹ 7,00,000
F.No.36-4/2024-TS.III [796-36]	24-10-2024	9th	₹ 18,00,000
F.No.36-4/2024-TS.III [789-31]	24-10-2024	9th	₹ 36,00,000
F.No.36-5/2024-TS.III [112-31]	24-10-2024	6th	₹ 86,50,000
F.No.36-4/2024-TS.III [789-35]	24-10-2024	9th	₹ 13,00,000
F.No.36-4/2024-TS.III [789-36]	24-10-2024	9th	₹ 34,00,000
F.No.36-4/2024-TS.III [112-31]	24-10-2024	9th	₹ 4,61,00,000
F.No.36-4/2024-TS.III [112-35]	24-10-2024	9th	₹ 1,68,00,000
F.No.36-4/2024-TS.III [112-36]	24-10-2024	9th	₹4,36,00,000
F.No.36-4/2024-TS.III [796-31]	14-11-2024	10th	₹ 19,00,000
F.No.36-4/2024-TS.III [796-36]	14-11-2024	10th	₹ 18,00,000
F.No.36-4/2024-TS.III [789-31]	14-11-2024	10th	₹ 36,00,000
F.No.36-4/2024-TS.III [789-36]	14-11-2024	10th	₹ 34,00,000
F.No.36-4/2024-TS.III [112-31]	14-11-2024	10th	₹ 4,61,00,000
F.No.36-4/2024-TS.III [112-36]	14-11-2024	10th	₹ 4,36,00,000
F.No.36-4/2024-TS.III [789-31]	13-12-2024	11th	₹ 37,00,000
F.No.36-4/2024-TS.III [796-31]	12-12-2024	11th	₹ 19,00,000
F.No.36-4/2024-TS.III [112-36]	13-12-2024	11th	₹ 4,36,00,000
F.No.36-4/2024-TS.III [789-36]	13-12-2024	11th	₹ 34,00,000

F.No.36-4/2024-TS.III [796-36]	13-12-2024	11th	₹ 18,00,000
F.No.36-4/2024-TS.III [112-31]	13-12-2024	11th	₹4,62,00,000
F.No.36-4/2024-TS.III [112-31]	31-01-2025	12th	₹ 3,03,00,000
F.No.36-4/2024-TS.III [789-31]	31-01-2025	12st	₹22,00,000
F.No.36-4/2024-TS.III [796-31]	31-01-2025	12st	₹ 15,00,000
F.No.36-4/2024-TS.III [112-36]	31-01-2025	12st	₹4,61,00,000
F.No.36-4/2024-TS.III [789-36]	31-01-2025	12rd	₹ 37,00,000
F.No.36-4/2024-TS.III [796-36]	31-01-2025	12rd	₹ 25,00,000
F.No.36-4/2024-TS.III [112-35]	31-01-2025	12rd	₹ 81,00,000
F.No.36-4/2024-TS.III [112-31]	19-02-2025	13th	₹ 3,03,00,000
F.No.36-4/2024-TS.III [789-31]	19-02-2025	13th	₹ 22,00,000
F.No.36-4/2024-TS.III [796-31]	19-02-2025	13th	₹ 15,00,000
F.No.36-4/2024-TS.III [112-36]	20-02-2025	13th	₹4,61,00,000
F.No.36-4/2024-TS.III [789-36]	20-02-2025	13th	₹37,00,000
F.No.36-4/2024-TS.III [796-36]	20-02-2025	13th	₹25,00,000
F.No.36-4/2024-TS.III [112-35]	19-02-2025	13th	₹3,87,00,000
F.No.36-4/2024-TS.III [789-35]	19-02-2025	13th	₹3,70,00,000
F.No.36-4/2024-TS.III [796-35]	20-02-2025	13th	₹1,62,00,000
F.No.36-4/2024-TS.III [112-31]	11-03-2025	14th	₹3,02,00,000
F.No.36-4/2024-TS.III [789-31]	11-03-2025	14th	₹23,00,000
F.No.36-4/2024-TS.III [796-31]	11-03-2025	14th	₹16,00,000
F.No.36-4/2024-TS.III [112-36]	11-03-2025	14th	₹4,62,00,000
F.No.36-4/2024-TS.III [789-36]	11-03-2025	14th	₹36,00,000
F.No.36-4/2024-TS.III [796-36]	12-03-2025	14th	₹26,00,000
GRAND TOTAL			₹148,61,63,764

During the FY 2021-22, PFMS system had been applied in the Institute. Total revenue grant and capital grant under PFMS received for FY 2024-25 by the Institute is Rs.122,14,63,764.00 and Rs.26,47,00,000.00 respectively. At the end of FY 2024-25, unutilized revenue grant and capital grant under PFMS is Rs.Nil.

6. Schedule **01 to 24** is annexed to form an integral part of the Balance Sheet as at 31.03.2025 and the Income & Expenditure for the year ended on that date.

7. Previous year figures (Accrued Interest, Income from Consultancy, Holding Tax etc.) have been regrouped/re-arranged wherever necessary/as per C&AG audit observation. Payment of Transit house Rs.3,50,000 is charged as revenue expenditure.

8. As per the requirement of AS 15(Revised 2005) on "Employee Benefits" issued by The Institute of Chartered Accountants of India, retirement benefits of employees have been provided in the Annual Accounts of FY 2024-25 on the basis of actuarial valuation report as on 31.03.2025.

Particulars	Gratuity	Leave Encashment	Total
Closing Balance(A)	18,81,13,451	18,00,11,863	36,81,25,314
Opening Balance(B)	21,70,25,885	18,07,61,167	39,77,87,052
Payment during FY 2024-25 (C)	1,15,75,453	98,72,349	2,14,47,802
Provision for the FY 2024-25 {A-(B-C)}	-1,73,36,981	91,23,045	-82,13,936

9. The Institute leased land to DAV Management Society for running a School within a campus of the Institute.

10. The overall Grant received by NIT Jamshedpur is Rs.148.61Cr. and overall expenditure is Rs.148.61Cr. Out of which Capital expenditure is 26.47Cr (includes Rs.17.32Cr advance to CPWD) and Revenue expenditure is Rs.122.14Cr (include Rs,1.21Cr. advance to CPWD).

11. The Industry Academia Conclave accounts is not included in Annual Accounts of NIT Jamshedpur since the same is not related to any projects/schemes of NIT Jamshedpur. The same accounts is audited by independent chartered accountant firm.

06/06/2025

(Accountant)

6/6/25

(Asst. Registrar F/A)

NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR

Receipts and Payments Account

1-Apr-2024 to 31-Mar-2025

Receipts	Amount (Rs)	Payments	Amount (Rs)
Opening Balance		**Opening Balance**	
Bank Accounts	**43,06,29,481.10**	Bank Accounts	**1,84,63,691.00**
Capital Grant & Loan		**Capital Grant & Loan**	
Outside Account	442.00	Loan From HEFA	23,36,63,764.00
Sponsored Projects (Scheme Grant)	3,58,74,922.41	Sponsored Projects (Scheme Grant)	3,36,92,908.00
Grant (Head 35)	26,47,00,000.00		**26,73,56,672.00**
	30,05,75,364.41		
Current Liabilities & Provision		**Current Liabilities & Provision**	
Balance on CGI A/c	12,678.00	Liablitities for Conducting JSSC 2023 Exam	70,642.00
Mess Advance Fee	3,29,32,000.00	Amuont received from UG & MCA 2024	1,80,000.00
NIAMT Ranchi	5,11,800.00	Leave Encashment Payable	1,00,000.00
TCC Society	19,500.00	Mess Advance Fee	5,67,000.00
Liablitities for Conducting JSSC 2023 Exam	1,70,642.00	Voluntary Scheme	1,10,000.00
Innovation Project Fee	93,84,000.00	Caution Money Payable	36,51,388.00
Payable to Student (Fee Waiver)	4,58,332.00	Innovation Project Fee	25,15,222.00
Pension Payable (F.Y.22-23)	2,64,761.00	NIAMT Ranchi	3,93,500.00
Salary Payable (F.Y.23-24)	3,49,558.00	Sundry Creditors	8,35,19,336.39
NPS Subscription	2,81,475.00	PBG Liabilities	4,725.00
PF subsciption	1,51,200.00	**Provisions**	
TDS Payable	59,36,555.00	Pension Payable (F.Y.23-24)	1,47,32,871.00
TDS under CGST	11,79,313.00	Provision for Contribution to New Pension Scheme	25,76,658.00
TDS under SGST	11,79,313.00	Salary Payable (F.Y.23-24)	3,63,51,297.00
TDS under IGST	1,62,216.00	Other Payables	4,08,99,367.00
Sundry Creditors	1,01,697.00	Scholarship	41,96,332.00
Scholarship	56,10,332.00	Short Term Course/workshop Fund	38,30,007.00
Sundry Deposit (Debt & Deposit)	3,75,43,697.83	Statutory Liabilities	16,98,96,449.50
Other Payables	30,93,718.00	Sundry Deposit (Debt & Deposit)	3,37,70,246.00
PBG Liabilities	5,92,372.00	Student Fund & Ohters	2,00,19,500.00
Short Term Course/workshop	76,59,720.00	Research & Development Fund	96,048.00
LIC Claim	30,02,284.00		
Interest on Project	11,06,063.00		**41,74,80,588.89**
	11,17,03,226.83	**Fixed Assets**	
Current Assets		Fixed Assets (From 35 Gant)	12,93,87,057.00
Loans, Advances & Deposits	26,18,643.50	Fixed Assets (From Other Funds)	51,72,395.00
Fixed Deposits	3,20,86,63,009.24		**13,45,59,452.00**
Sundry Debtors	1,02,39,276.00		
IT Refund	1,57,02,920.00	**Current Assets**	
	3,23,72,23,848.74	Other Receivable (Curent Assets)	70,182.00
Academic Receipt		Fixed Deposits	3,76,60,35,517.00
Academic	23,17,93,496.00	Loans, Advances & Deposits	22,14,40,885.00
Examinations	1,16,55,400.00		**3,98,75,46,584.00**
Other Fee	13,69,30,006.12		
Institute Fee (for Executive Ph.d)		**Academic Receipt**	
	38,03,78,902.12	Academic	10,24,500.00
Grant/subsidies		Examinations	14,000.00
Grant (Head 31)	58,33,63,764.00	Other Fee	1,45,31,166.00
Grant (Head 36)	63,81,00,000.00		**1,55,69,666.00**
	1,22,14,63,764.00	**Expenditure Grant Head-36**	
Interest Earned	**1,63,38,527.00**	Staff Payments and Benefits (Estb. Exp)- Head-36	44,89,26,180.00
Other Income	**6,15,21,710.00**		**44,89,26,180.00**
Other Misc Exp (Round off)	**1,14,213.00**	**Expenditure Under Grant Head-31**	
Expenditure Under Grant Head-31	**1,52,041.00**	Academic Expenses	13,81,48,031.00
Expenditure Grant Head-36	**6,38,740.00**	Administative Expenses	6,66,42,914.37
Expenditure from IRG	**3,58,987.00**	Finance Cost	57,711.52
		Repair & Maintenance	50,21,519.00
Closing Balance		Staff Payment & Benefit (Estb. Exp)- Head-31	22,21,45,562.00
Bank Accounts	**12,35,95,451.00**	Transportation Expense	6,70,411.00
		Holding Tax	79,95,750.00
		Period Period	29,105.00
			44,07,11,003.89
		Expenditure from IRG	
		Hostel Maintenance & Establishment Exp	6,11,471.00
		Foreign Exchange Fluctuation Loss	1,30,515.00
		Tuition Fee Remission	2,02,89,741.00
		Testing & Consultancy Exps.	16,03,750.00
		Medical Policy for Students	3,89,777.00
			26,04,998.00
		Closing Balance	
		Bank Accounts	**15,14,75,420.42**
	5,88,46,94,256.20		**5,88,46,94,256.20**

SINGHANIA AGRAWAL & CO. JAMSHEDPUR CHARTERED ACCOUNTANTS

Accountant 06/06/2025 | Asst. Registrar (F/A) 6/6/25 | Registrar 06/6/25 | Director 6/6/25

NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR
GENERAL PROVIDENT FUND ACCOUNT
Balance Sheet for the year ended 31.03.2025

(Amount in Rupees)

Liabilities	Current Period 31-03-2025	Previous Period 31-03-2024	Assets	Current Period 31-03-2025	Previous Period 31-03-2024
CAPITAL FUND(GPF)			**INVESTMENT:**		
Opening Balance	**9,25,27,468.52**	**9,67,54,777.32**	Investment in Bank FD	8,92,89,689.00	8,73,15,803.00
Add: GPF Subscription	1,19,46,022.00	1,23,32,080.00	Acrued Interest against auto sweep	-	31,68,909.00
Less: GPF paid during the year	-1,57,34,347.00	-2,25,59,510.80	Accured Interest on FDR	21,05,253.00	-
	8,87,39,143.52	**8,65,27,346.52**	GPF Subscription Receivable (March 23)	9,69,230.00	9,86,378.00
			IT Refund Receivable from NIT JSR	10,92,327.00	
Add: Excess of Income over Expenditure	53,10,643.00	60,00,122.00			
			Current Assets:		
			TDS Receivable (FY 2022-23)	-	4,55,820.00
			TDS Receivable (FY 2023-24)	-	5,99,868.00
			TDS Receivable (FY 2024-25)	4,78,847.00	-
			Balance at Bank A/c	1,14,440.52	690.52
TOTAL	**9,40,49,786.52**	**9,25,27,468.52**	**TOTAL**	**9,40,49,786.52**	**9,25,27,468.52**

Accountant | Asst. Registrar (F/A) | Registrar

SINGHANIA AGRAWAL & CO
JAMSHEDPUR
CHARTERED ACCOUNTANTS

NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR
GENERAL PROVIDENT FUND ACCOUNT
Income and Expenditure Account for the year ended 31.03.2025

(Amount in Rupees)

Expenditure	Current Period 31-03-2025	Previous Period 31-03-2024	Income	Current Period 31-03-2025	Previous Period 31-03-2024
Bank Commission	-	-	Interest earned on SB (39414984167)	4,87,791.00	2,068.00
Excess of Income over Expenditure	53,10,643.00	60,00,122.00	Interest on Auto Sweep A/c	47,86,213.00	59,98,054.00
			Interest on IT Refund	36,639.00	-
Total	**53,10,643.00**	**60,00,122.00**	**Total**	**53,10,643.00**	**60,00,122.00**

06/06/25

Accountant

6/6/25

Asst. Registrar (F/A)

06/6/25

Registrar

SINGHANIA AGRAWAL & CO
JAMSHEDPUR
CHARTERED ACCOUNTANTS

NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR
GENERAL PROVIDENT FUND ACCOUNT
Receipt & Payment Account for the year ended 31.03.2025

(Amount in Rupees)

Receipt	Current Period 31-03-2025	Previous Period 31-03-2024	Payment	Current Period 31-03-2025	Previous Period 31-03-2024
Opening Balance			**Accumuated Funds**		
SB (39414984167)	690.52	39,324.32	GPF Withdrawl	1,57,34,347.00	2,25,59,510.80
			Capital Fund	8,07,103.00	
Accumuated Funds					
GPF Subscription for the year (394149841	1,09,76,792.00	1,13,45,702.00	**Investment**		
Capital Fund	8,07,103.00	-	Investment during the Year	2,48,00,000.00	95,30,000.00
Investment			**Expenses**		
Investment encashed on FD	2,81,97,136.00	1,95,94,607.00	Bank Commission	-	-
Current Assets			**Closing Balance**		
GPF Subcription Receivable	9,86,378.00	11,08,500.00	SB (39414984167)	1,14,440.52	690.52
Interest					
Interest earned on SB (39414984167)	4,87,791.00	2,068.00			
Total	**4,14,55,890.52**	**3,20,90,201.32**	**Total**	**4,14,55,890.52**	**3,20,90,201.32**

Accountant 06/06/2025

Asst. Registrar (F/A) 6/6/25

Registrar 06/6/25

SINGHANIA AGRAWAL & CO
JAMSHEDPUR
CHARTERED ACCOUNTANTS

ANNUAL REPORT

2024-25



NATIONAL INSTITUTE OF TECHNOLOGY
JAMSHEDPUR -831014, INDIA

info@nitjsr.ac.in +91 6572373407 www. nitjsr.ac.in