



**ANNUAL REPORT
AND
AUDITED ACCOUNTS
2024-25**

**NATIONAL INSTITUTE OF TECHNOLOGY
SILCHAR**



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From The Director's Desk

It gives me immense pleasure to present the Annual Report of the National Institute of Technology Silchar, Assam, for the academic year 2024-2025. As one of the premier institutions in India, NIT Silchar has continued to set benchmarks through its relentless pursuit of excellence by the Faculty, Staff, students, and stakeholders in the domains of education, research, and innovation.

Currently, the Institute is home to 4771 students, including undergraduate, postgraduate, and research scholars, with a notable representation of international students. It is a matter of immense pride that in the National Institutional Ranking Framework (NIRF) 2025, NIT Silchar secured the 50th position among all engineering institutes and the 97th position among all universities in India. Additionally, the Institute was placed in the 501-550 rank band under the QS Asia ranking 2025. Furthermore, NIT Silchar achieved an impressive milestone in the UI GreenMetric World University Rankings 2024, being ranked 185th globally and 5th among Indian universities, reflecting our commitment to sustainability and environmental stewardship.

Research and innovation have always been at the core of NIT Silchar's mission to address real-world challenges and contribute to national development. In the financial year 2024-2025, the Institute received 17 R&D-funded projects and undertook 70 consultancy assignments,



reflecting the institute's growing reputation as a hub for cutting-edge research and industry collaboration. It is also noteworthy that five out of six undergraduate programs and 11 postgraduate programs are accredited by the National Board of Accreditation (NBA). Efforts are already underway to secure accreditation for the remaining programs in the near future.

I extend my heartfelt gratitude to the Ministry of Education (MoE), Government of India and Government of Assam for their unwavering support and encouragement. I am equally grateful to all our stakeholders – the members of BOG, FC, BWC, Senate, faculty, staff, students, and alumni of NIT Silchar whose collective efforts have made this year one of remarkable achievements and milestones. Together, we are striving to scale new heights and uphold the legacy of NIT Silchar as a beacon of knowledge, innovation, and excellence.

Prof. Dilip Kumar Baidya
Director, NIT Silchar

Mission:

The mission of NIT Silchar is to train and transform young men and women into responsible engineers, technologists and scientists to motivate them to attain professional excellence and to inspire them to proactively engage themselves for the betterment of the society.

Vision:

The vision of NIT Silchar is to establish a unique identity by developing quality human and knowledge resources in diverse areas of technology to meet local, national and global economic and social needs as well as the needs of human society at large in self-sustained manner.

Objectives

- To impart the best technical education at both the Undergraduate/postgraduate level so as to train the students to be able to boldly face a world that is being transformed by scientific and technological advances.
- To engage in research work beneficial to Industry as well as society and disseminate the research findings.
- To provide knowledge based technological services to satisfy the needs of the industry as well as society
- To help in buiding national capabilities in developing technologies, opening up new vistas in education and research.
- To promote Institute-Industry interaction through sponsored research by sponsoring faculty to work in Industry for short terms and by inviting people from Industry to deliver lecture etc.
- To promote national integration and impart value-based education.





NIT SILCHAR AT A GLANCE

RANK

NIRF Rank 2025	50 th in Engineering 97 th in Overall
QS Asia Ranking 2025	500-550 rank band
QS Southern Asia Ranking 2024	106 th
GreenMetric Ranking 2024	185 in Overall world University Ranking & 05 th among Indian Universities

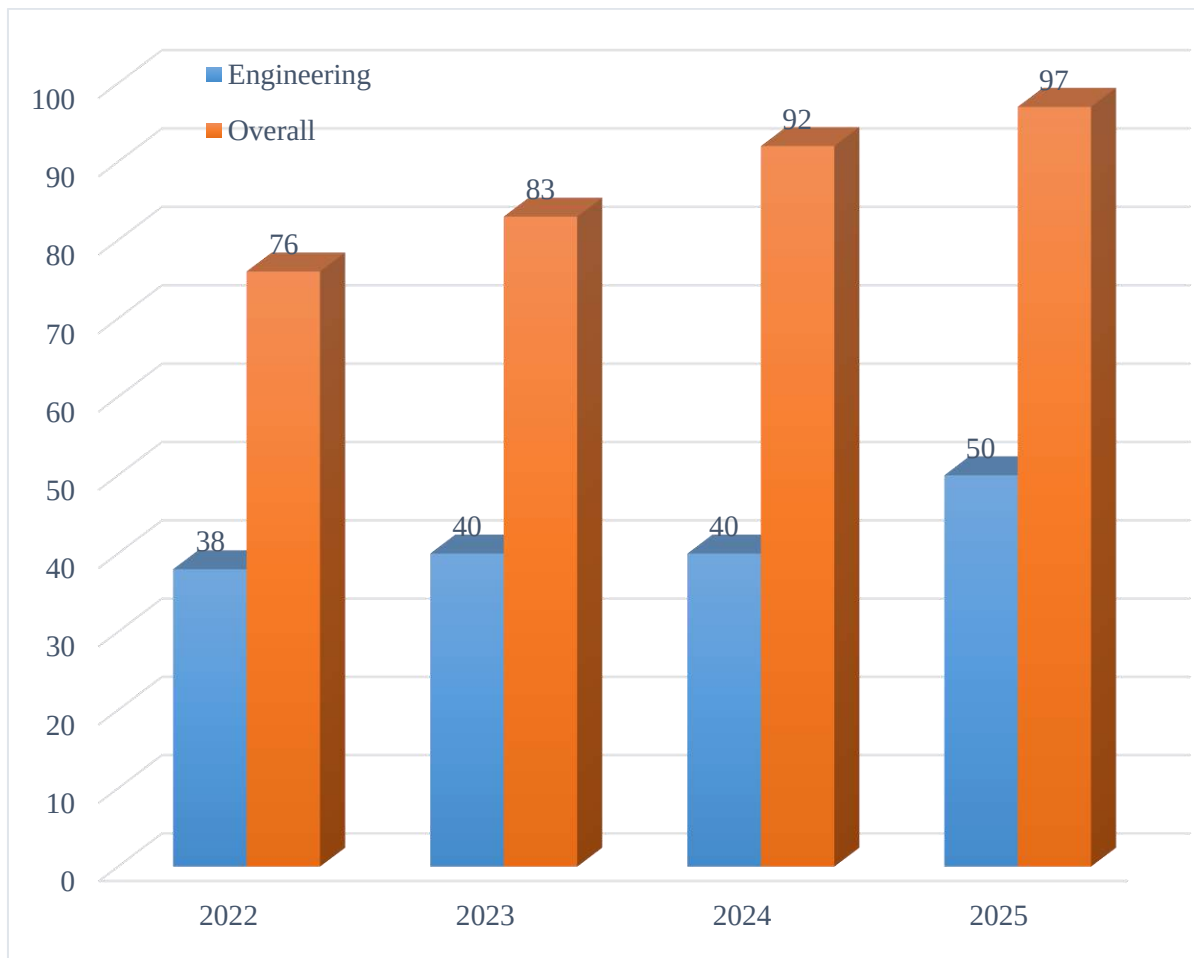


Fig.1: National Institutional Ranking Framework (NIRF-Engineering) of NIT Silchar



DEPARTMENTS

B.Tech ■ M.Tech ● M.Sc ● MBA ● Ph.D ▲			
Engineering			
Civil Engineering	■	●	▲
Mechanical Engineering	■	●	▲
Electrical Engineering	■	●	▲
Electronics & Communication Engineering	■	●	▲
Computer Science & Engineering	■	●	▲
Electronics & Instrumentation Engineering	■	●	▲
Science			
Physics		●	▲
Chemistry		●	▲
Mathematics		●	▲
Humanities and Management			
Humanities			▲
Management Studies		●	▲

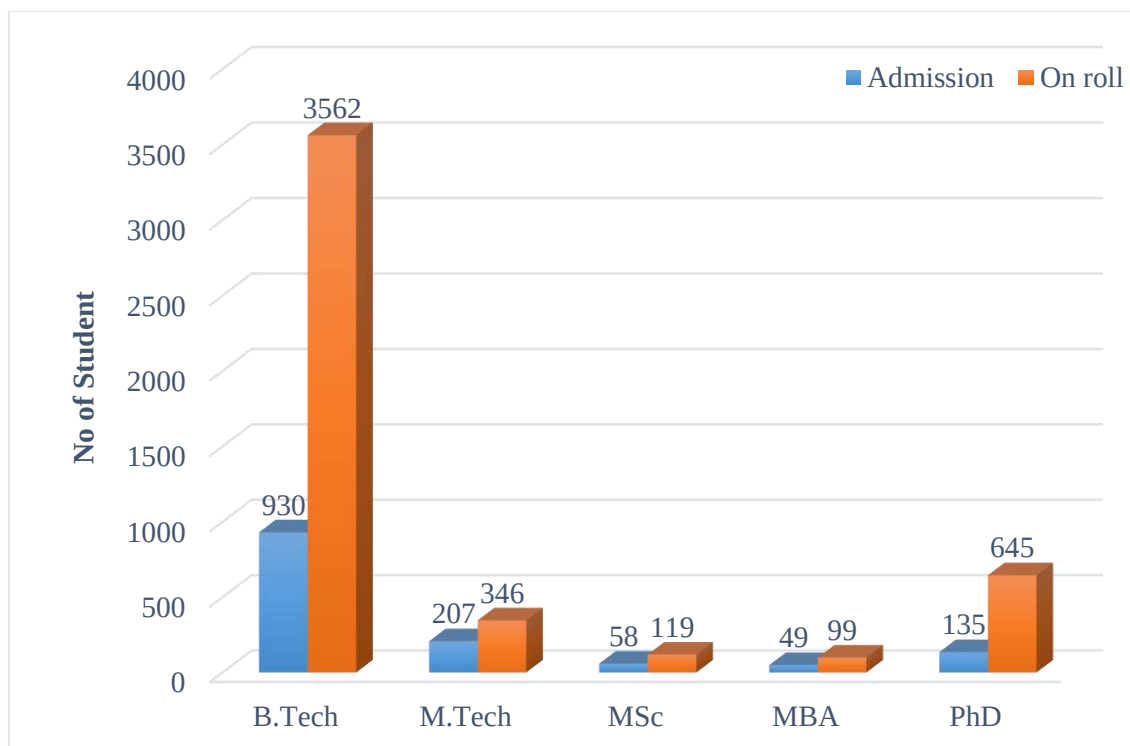


Fig.2: Student Admissions and On roll during 2024-25.

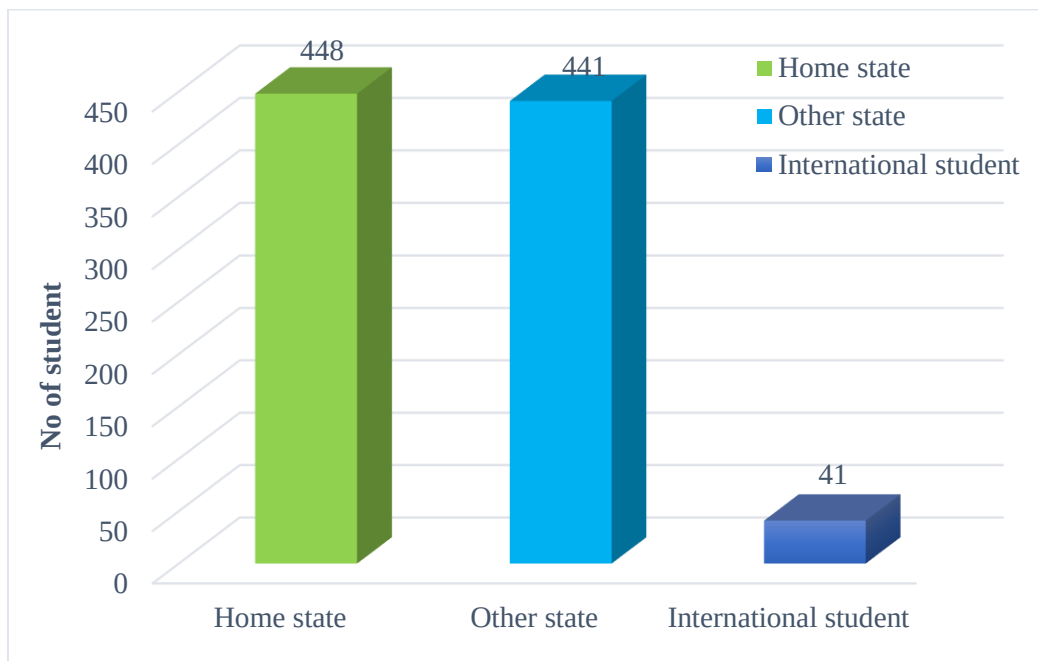


Fig.3: Home state, Other state and International distribution of student admitted in B.Tech. program 2024-25

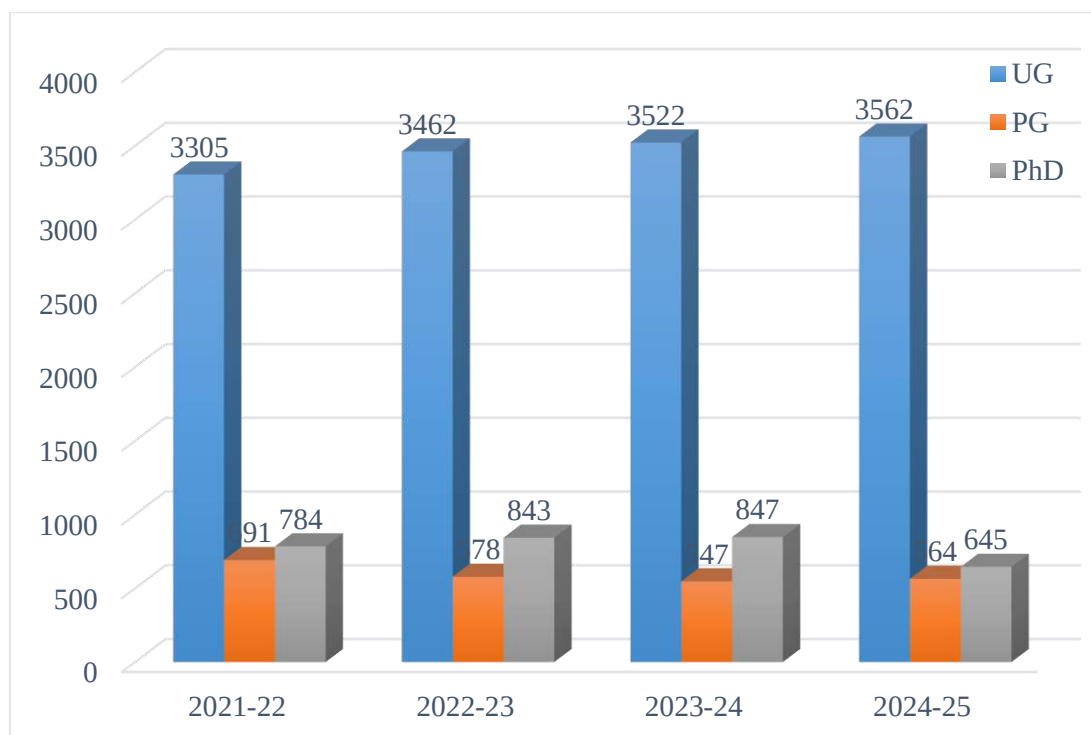


Fig.4: Students enrolment in (UG/PG/PhD) during the last four year

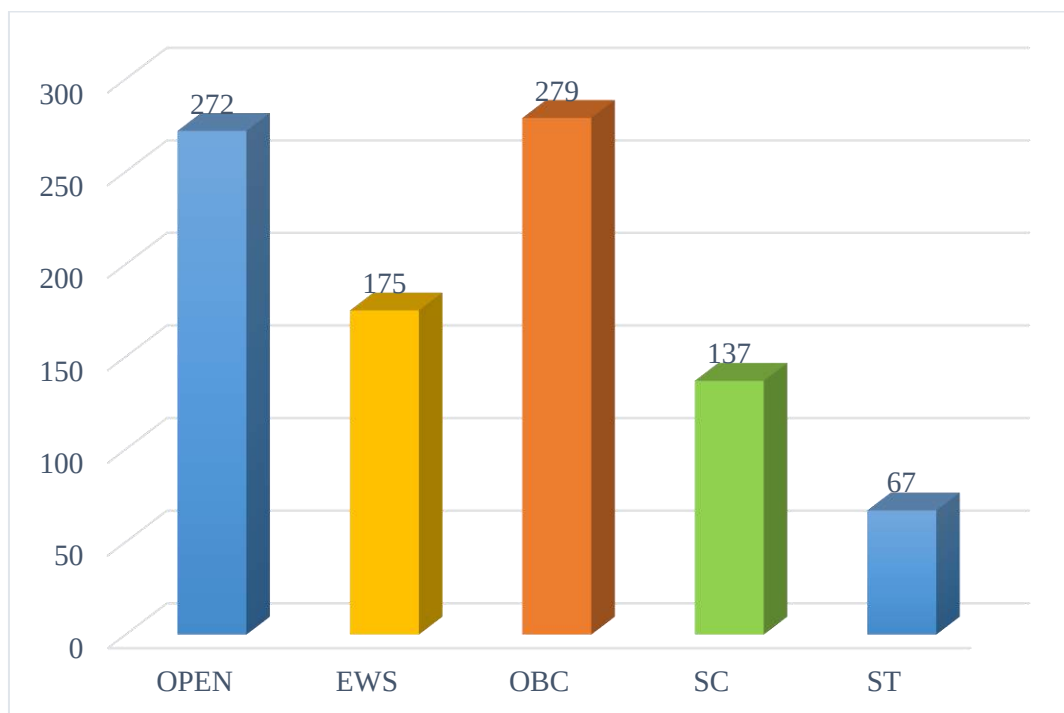


Fig.5: Category-wise admission counts of UG students in 2024-25

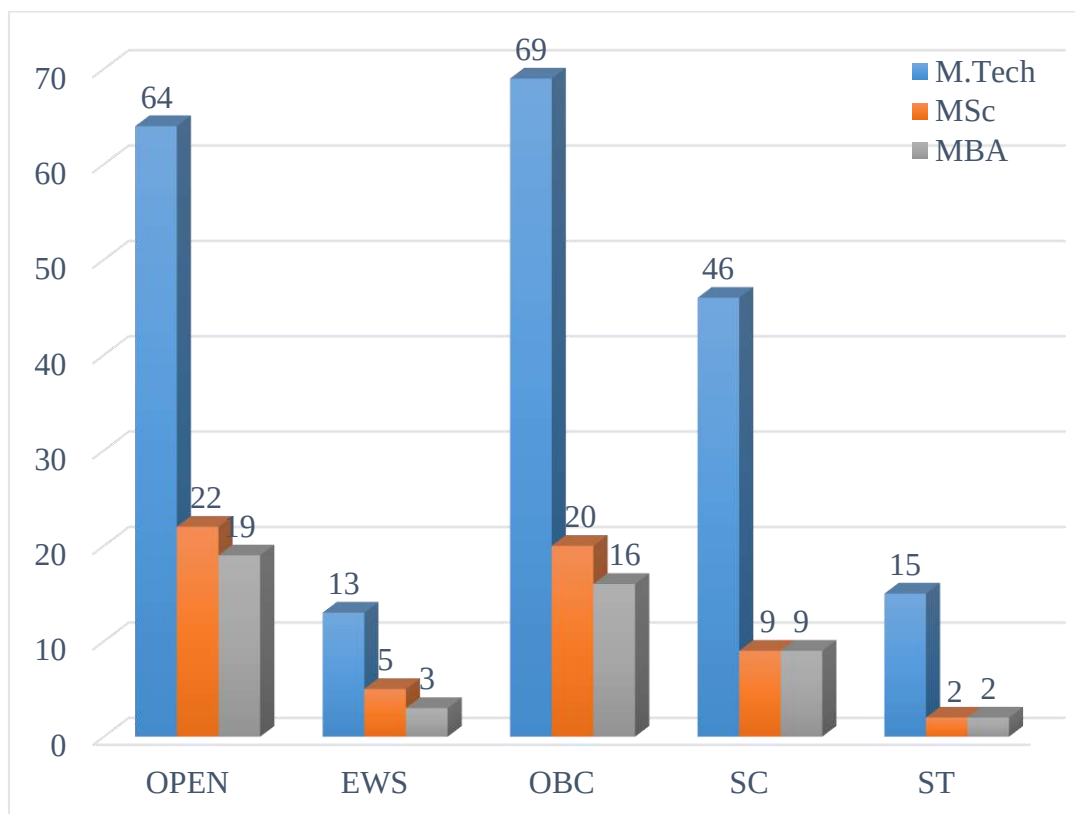


Fig.6: Category-wise admission counts of PG students in 2024-25

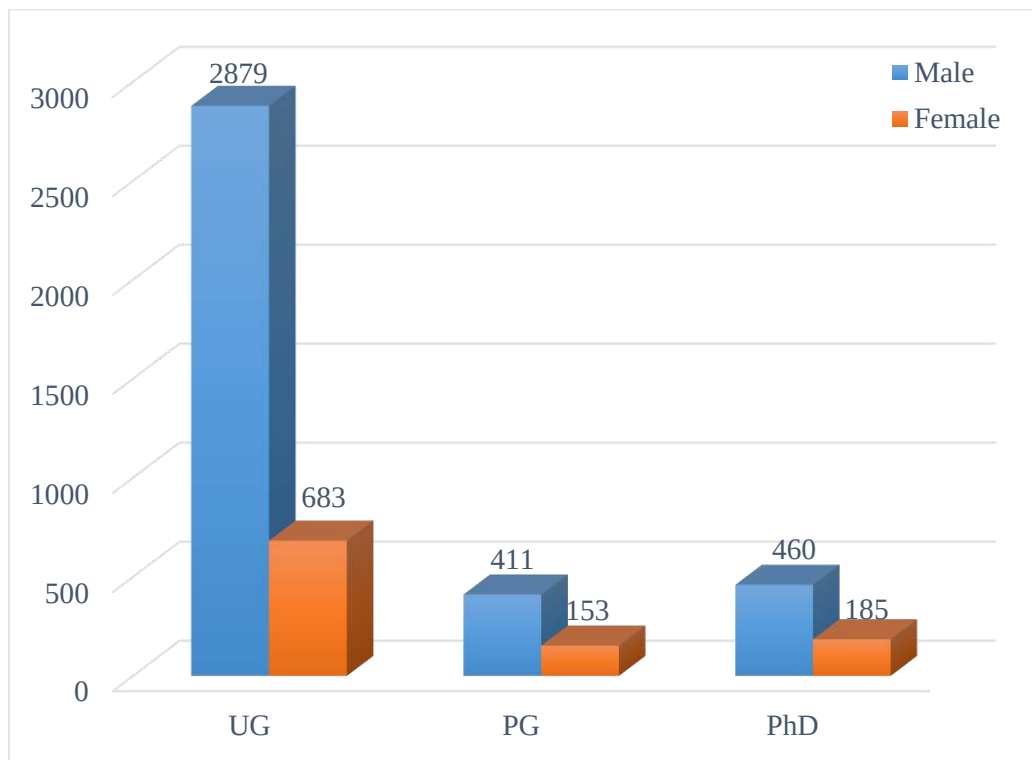


Fig.7: Gender distribution across different programmes

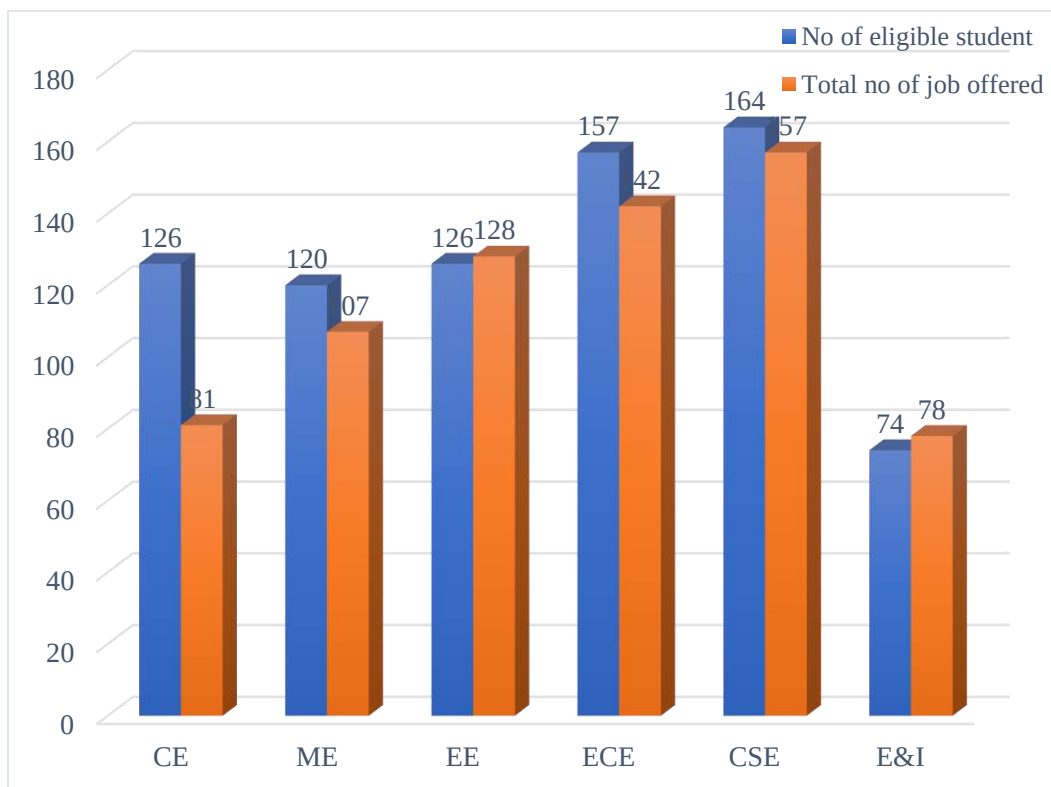


Fig.8: Placement statistics of B.Tech students in 2024-25

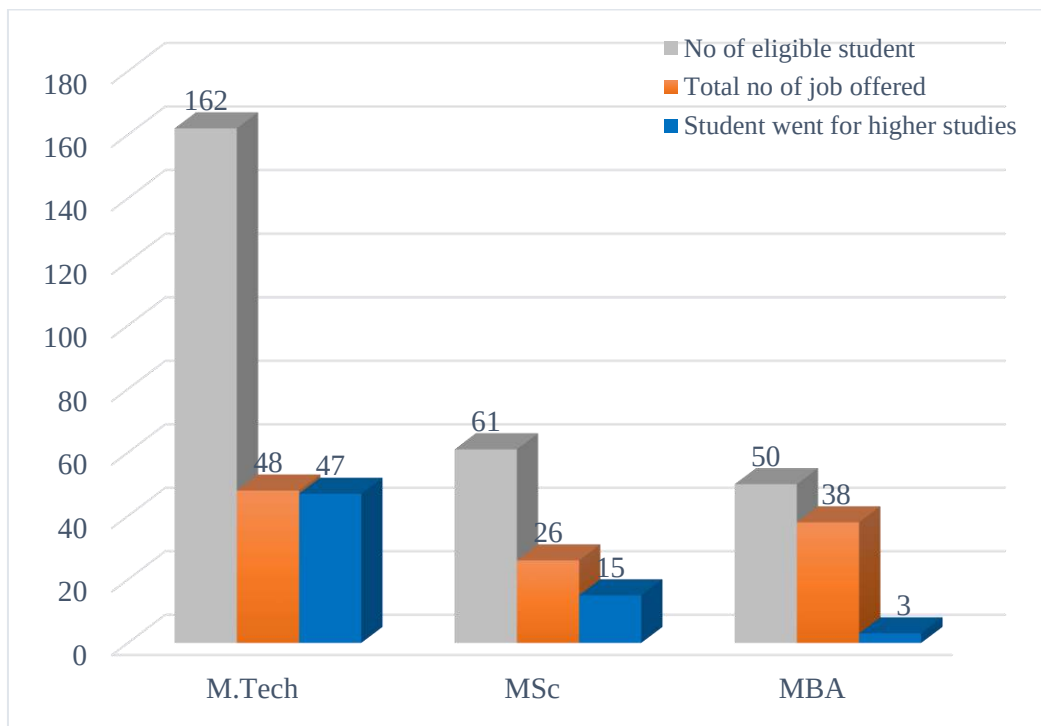


Fig.9: Placement statistics of PG students in 2024-25

PUBLICATIONS

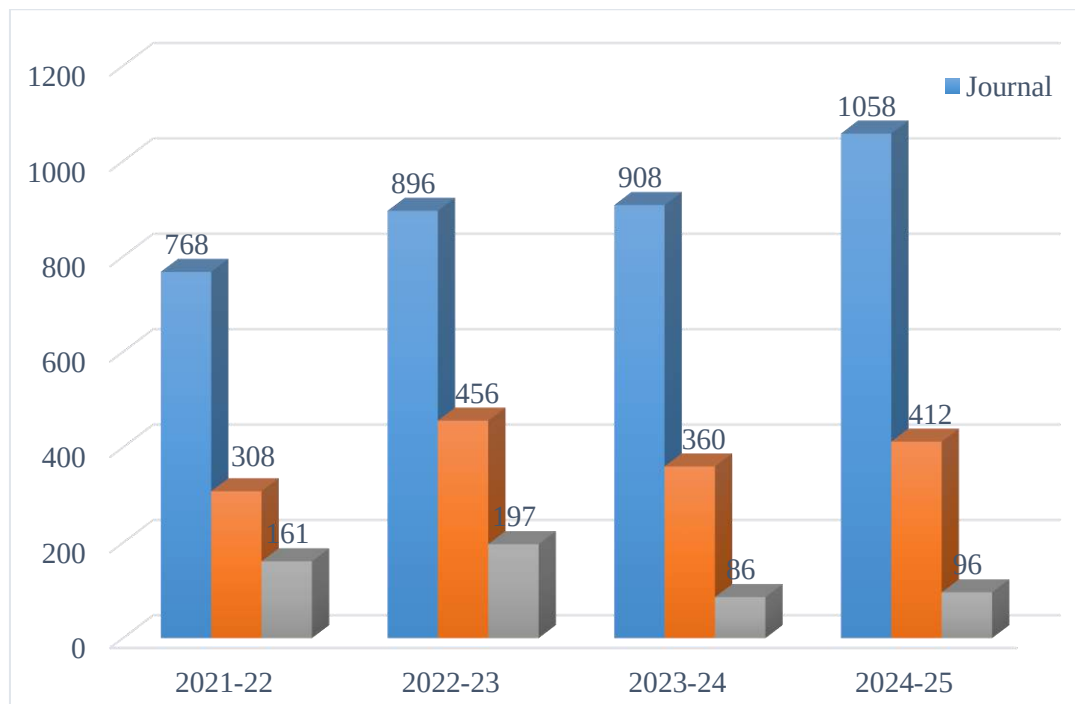


Fig.10: Publication details of NIT Silchar during last four years



LIBRARY

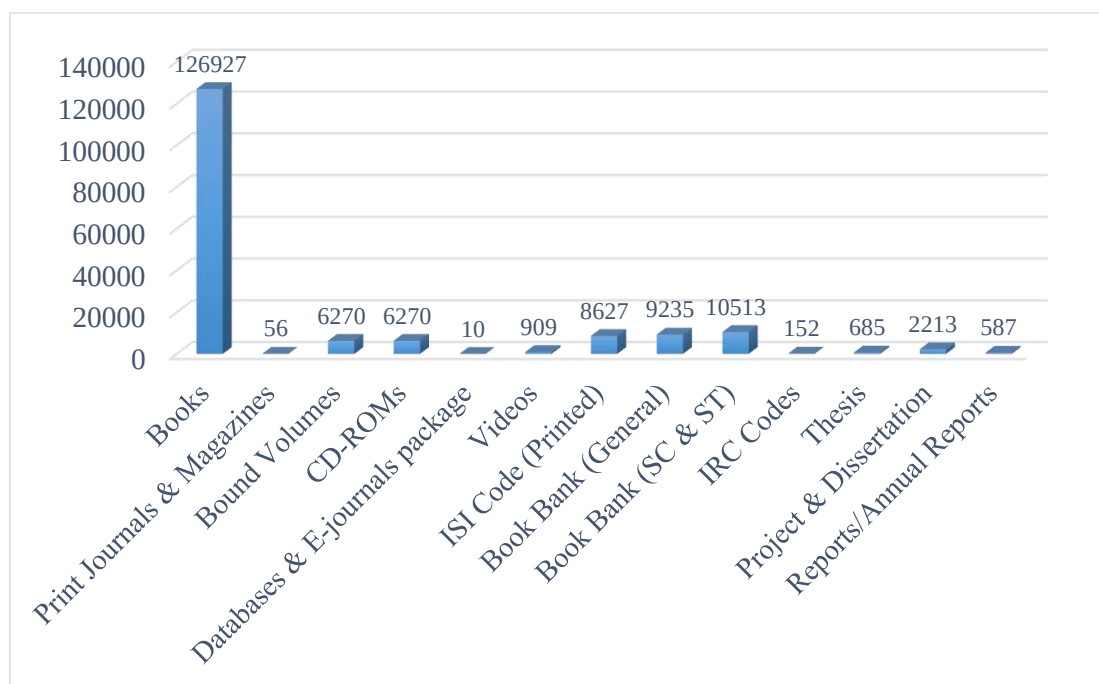


Fig.11: Library resource statistics during 2024-25

FACULTY/STAFFS

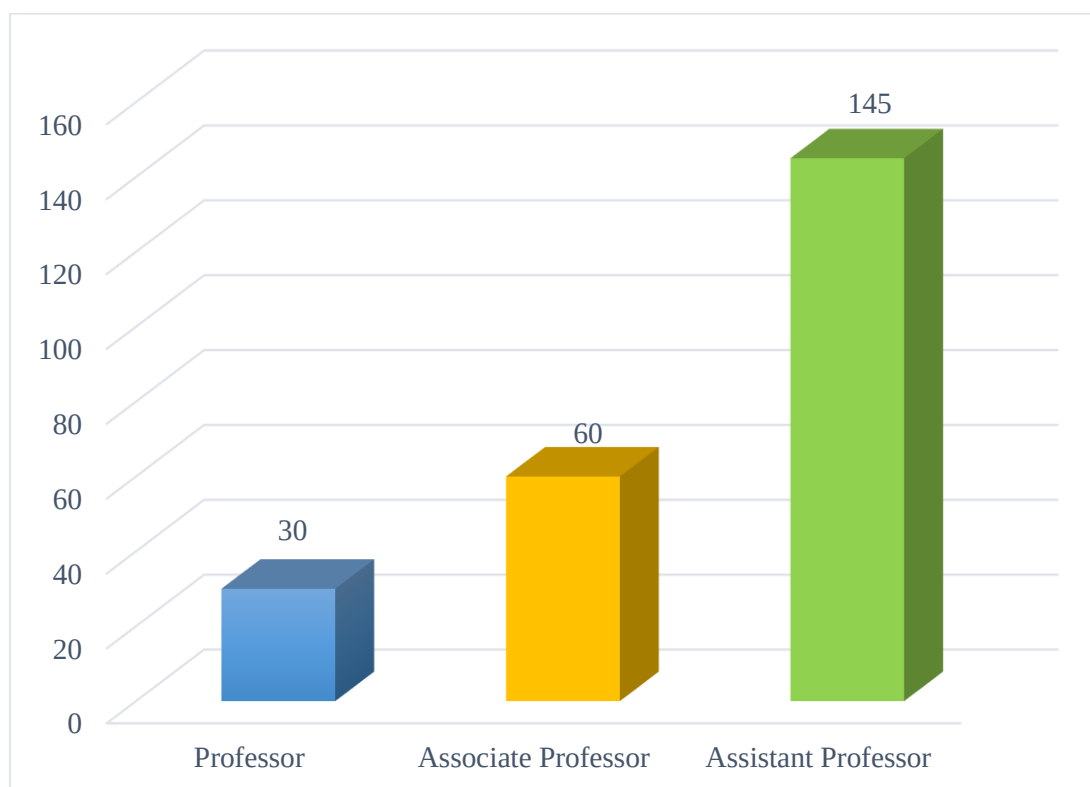


Fig.12: Faculty in position during 2024-25

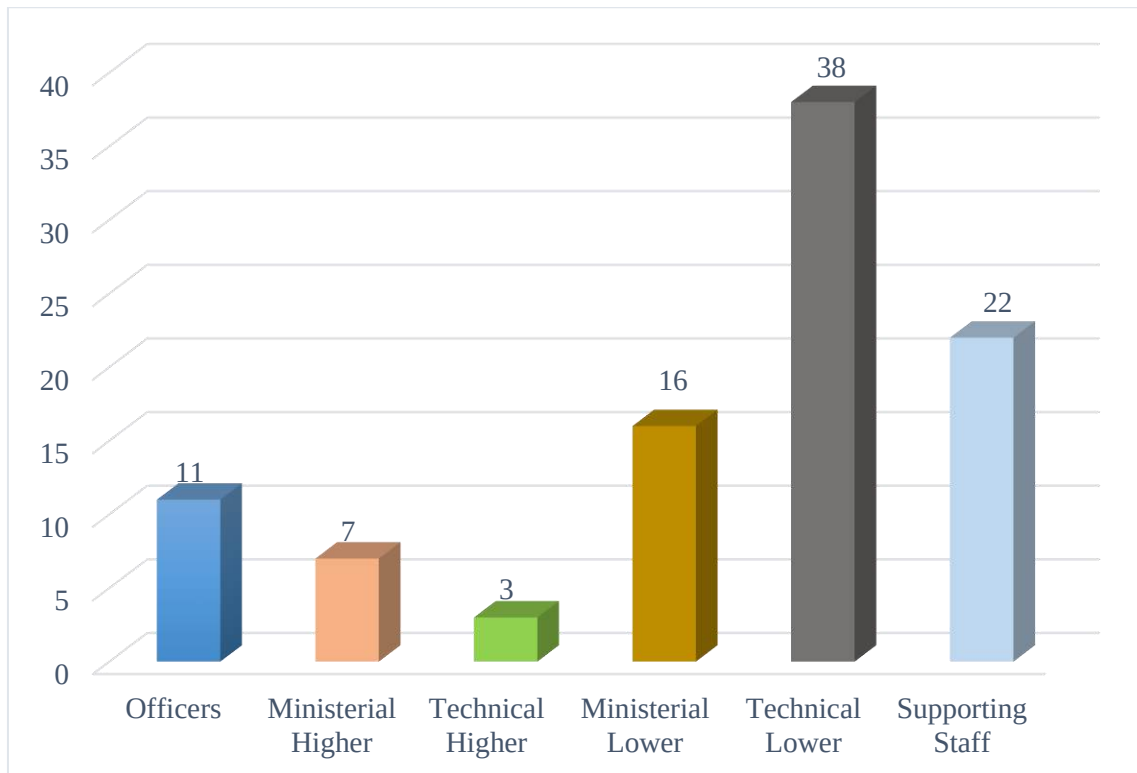


Fig.13: Non-teaching staff in position during 2024-25

FINANCE

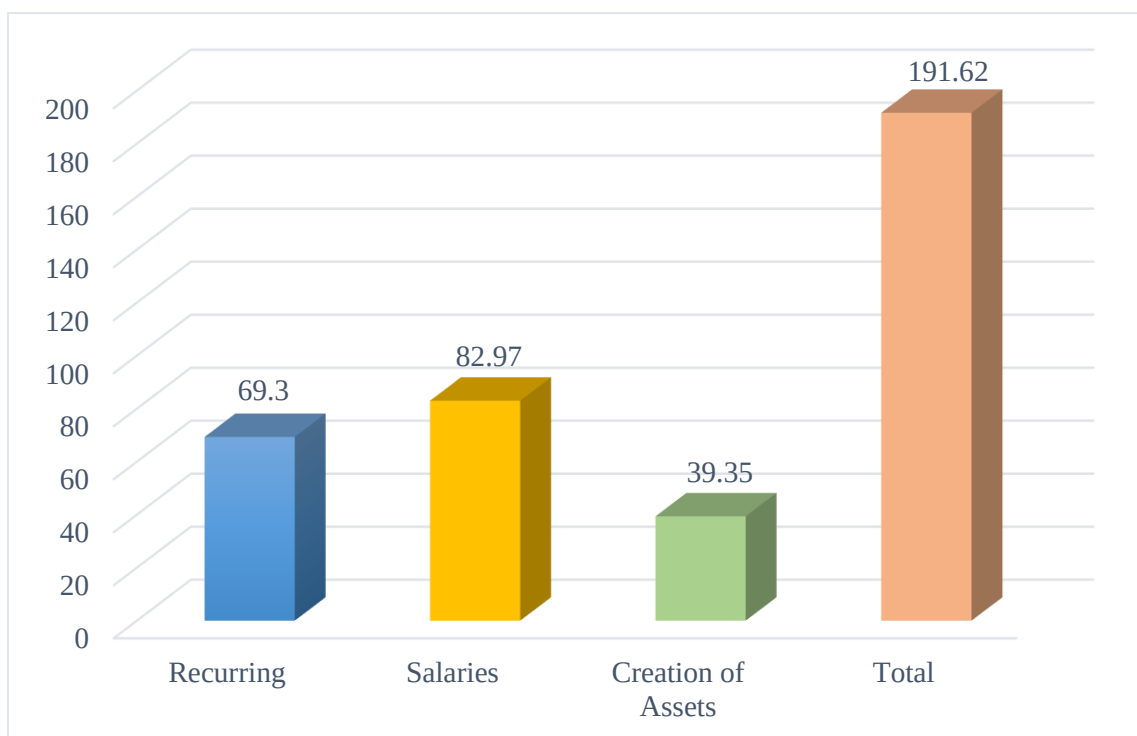


Fig.14: Total availability

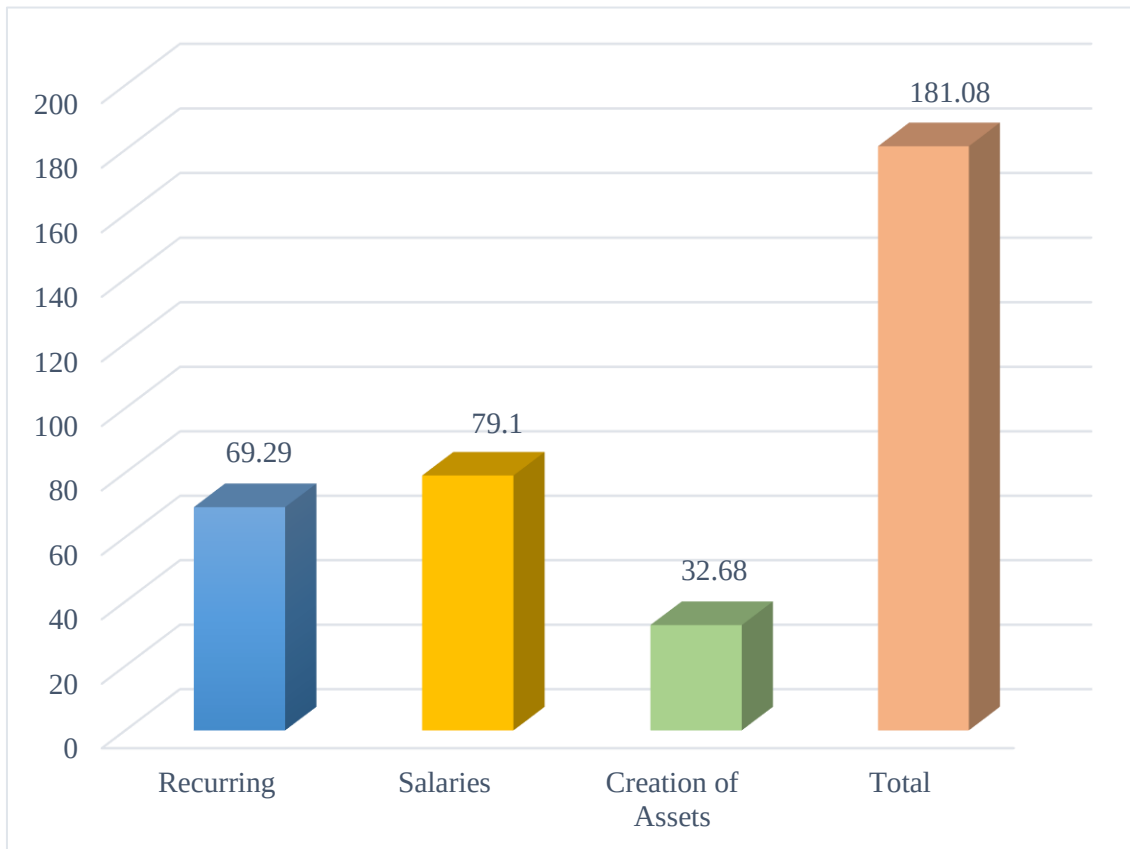


Fig.15: Total funds utilized during the year 2024-2025 (In Crores)



INTRODUCTION

Historical Background

In the fifties, the Government of India decided to establish Regional Engineering Colleges (RECs) under the Quality Technical Education Policy – one each in every major state – with the prime objective of imparting quality technical education throughout the country and to foster national integration. These Regional Engineering Colleges were established as joint ventures of the Government of India and the respective State Governments. Assam is considered as the flag bearer of Northeast India and so in the year 1967, the 15th REC was officially established in Silchar. However, it took almost a decade for REC Silchar to start its academic programmes due to various constraints.

The first batch of students was admitted in 1977 in the BE program in 3 branches of Engineering namely, Civil Engineering, Mechanical Engineering, and Electrical Engineering. The total intake in the first batch was 60 students. The adequate infrastructure facilities consisted of only a part of a hostel, two Assam type buildings (for classes and administration), a workshop building, seven faculty quarters, and a few staff quarters when the College started its academic programs in November 1977. Initially, under the guidance of the then Principal Dr. H. R. Chablani, the classes started with only four full-time faculty members. The College started its academic program with affiliation from Gauhati University. The first batch of BE students was awarded degrees in the year 1982-83. Subsequently, two more branches, namely, Electronics and Communication Engineering and Computer Science and Engineering started functioning from the year 1983 and 1987 respectively. The affiliation was later shifted to Assam University in 1994.

On the basis of the report of the High Powered Joint Expert Committee of AICTE and UGC under the chairmanship of Prof. S. K. Joshi, Director General of Council for Scientific and Industrial Research (CSIR), Regional Engineering College Silchar has been transformed and upgraded to National Institute of Technology, Silchar with the status of Deemed University on 28th June 2002. The Institute has been taken over by the Government of India and subsequently made into a fully funded Central Government Autonomous Institution. This ensures a better financial status for NIT Silchar and will accelerate its growth ensuring that it becomes one of the premier technological institutes of not just the North East but the entire nation. The Institute has remodeled its curriculum and academic activities in line with that of the IITs. With its Deemed University status, the institute started awarding degrees from the year 2002 and the first convocation of the Institute was held on 16th February 2004. The Government of India declared the Institute as an Institute of National Importance by enacting the National Institutes of Technology Act 2007.

Location

The Institute is situated at Silchar (latitude 24.50N, longitude 92.510E, at a height of 114.68m above MSL), at a distance of about eight kilometers to the south from the heart of the town on the Silchar–Hailakandi road in Cachar District of Assam. Silchar is well connected to the rest of the country via airways, railways, and roadways. The Institute boasts of state-of-the-art academia and research infrastructure, lecture theatres, laboratories, resource-centers, sports grounds, open-air theatre, hospital, food-courts and many more being embraced by the greenery, expansive tea gardens, and lakes.

Campus

The campus of the Institute is spread over an area of 540 acres, set amidst a sprawling landscape of natural quietness, bordered by expansive tea gardens. It presents a spectacle of harmony in the form of modern architecture, natural beauty, and picturesque surroundings.

The campus area has been organized into three functional sectors:

- Hostel, amenities, and activity centers for students
- Academic blocks and administrative block
- Residential sectors for the staff

The instructional buildings are strategically located between the hostels and staff quarters to provide easy access.





THE COUNCIL, BOG AND OTHER COMMITTEE

The Council and its composition

Sl. No.	Members	Position
1	The Minister in charge of the Ministry or Department of the Central Government having administrative control of the technical education	Chairman (ex-officio)
2	The Secretary to the Govt. of India in charge of the Ministry or Department of the Central Government having administrative control of the technical education	Vice-Chairman (ex-officio)
3	The Chairperson of every Board	Member (ex-officio)
4	The Director of every Institute	Member (ex-officio)
5	The Chairman, University Grant Commission	Member (ex-officio)
6	The Director-General, Council for Scientific & Industrial Research	Member (ex-officio)
7	Secretary, Department of Bio-Technology, Govt. of India	Member (ex-officio)
8	Secretary, Department of Atomic Energy, Govt. of India	Member (ex-officio)
9	Secretary, Department of Information Technology, Govt. of India	Member (ex-officio)
10	Secretary, Department of Space, Govt. of India	Member (ex-officio)
11	The Chairman, All India Council for Technical Education	Member (ex-officio)
12	Not less than three, but not more than five persons to be nominated by the Visitor, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, industry, science or technology	Member
13	Three Members of Parliament, of whom two shall be chosen by the House of People and one by the Council of States	Member
14	Two Secretaries to the State Govt. from amongst the Ministries or departments of that government dealing with technical education where the Institutes are located	Member (ex-officio)
15	The Financial Advisor, dealing with the Education Ministry or Department of the Central Government	Member (ex-officio)
16	One officer not below the rank of Joint Secretary to the Govt. of India in the Ministry or Department of Central Government having administrative control of the technical education	Member-Secretary (ex-officio)



Board of Governors

Name and Address	Position
Prof. Dilip Kumar Baidya, Director NIT Silchar	Chairperson (Officiating)
Ms. Saumya Gupta, Joint Secretary, Dept. of Higher Education, MOE, GOI, ShastriBhawan, New Delhi-110 001	Member
Sri. Sanjog Kapoor, Joint Secretary & Financial Advisor, Dept. of Higher Education, MOE, GOI, ShastriBhawan, New Delhi-110 001	Member
Prof. S.K. Kakoty, Professor, IIT Guwahati- 781039	Member
Prof. Ashim Kanti Dey, Professor, Department of Civil Engineering, NIT Silchar	Member
Dr. Juthika Mahanta, Assistant Professor, Department of Mathematics	Member
Prof. Asim Roy, Registrar (i/c), NIT Silchar	Secretary

Finance Committee

Name and Address	Position
Prof. Dilip Kumar Baidya, Director NIT Silchar	Chairperson (Officiating)
Ms. Saumya Gupta, Joint Secretary, Dept. of Higher Education, MOE, GOI, Shastri Bhawan, New Delhi-110 001	Member
Sri. Sanjog Kapoor, Joint Secretary & Financial Advisor, Dept. of Higher Education, MOE, GOI, Shastri Bhawan, New Delhi-110 001	Member
Prof. S.K. Kakoty, Dean of Infrastructure, Planning and Management, IIT Guwahati- 781039	Member
Prof. Ashim Kanti Dey, Professor, Department of Civil Engineering, NIT Silchar	Member
Prof. Asim Roy, Registrar (i/c), NIT Silchar	Member Secretary

Building and Works Committee

Name and Address	Position
Prof. Dilip Kumar Baidya, Director NIT Silchar	Chairman (Officiating)
Ms. Garima Sharma, Deputy Secretary (NIT), Dept. of Higher Education, MOE, GOI, ShastriBhawan, New Delhi-110 001	Member
Sri. Anil Kumar, Director (IFD), Dept. of Higher Education, MOE, GOI, ShastriBhawan, New Delhi-110 001	Member
Dr. Parthajit Roy, Dean (P&D), Civil Engineering Department, NIT Silchar	Member
HOD, Civil Engineering Department, NIT Silchar	Member
Prof. Asim Roy, Registrar (i/c), NIT Silchar	Member Secretary



The Senate

Name and Address	Position
Prof. Dillip Kumar Baidya, Director, NIT Silchar	Chairman
Prof. Fazal A. Talukdar, Professor of ECE Deptt., NIT Silchar	Member
Prof. Nidul Sinha, Professor of Electrical Engg. Deptt., NIT Silchar	Member
Prof. S. Baishya, Professor of ECE Deptt., NIT Silchar	Member
Prof. A. K. Dey, Professor of Civil Engineering Deptt., NIT Silchar	Member
Prof. P.S. Choudhury, Professor of Civil Engineering Deptt., NIT Silchar	Member
Prof. R. D. Misra, Professor of Mechanical Engineering Deptt., NIT Silchar	Member
Prof. A. I. Laskar, Professor of Civil Engineering Deptt., NIT Silchar	Member
Prof. D. Chakraborty, Professor of Civil Engineering Deptt., NIT Silchar	Member
Prof. M. A. Ahmed, Professor of Civil Engineering Deptt., NIT Silchar	Member
Prof. B. K. Roy, Professor of Electrical Engineering Deptt., NIT Silchar	Member
Prof. P. K. Patowari, Professor of Mechanical Engineering Deptt., NIT Silchar	Member
Prof. U. Kumar, Professor of Civil Engineering Deptt., NIT Silchar	Member
Prof. Saurabh Choudhury, Professor of Electrical Engineering Deptt., NIT Silchar	Member
Prof. A. K. Barbhuiya, Professor of Civil Engineering Deptt., NIT Silchar	Member
Prof. N.B Dev Choudhury, Professor of Electrical Engineering Deptt., NIT Silchar	Member
Prof. Krishna Lal Baishnab, Professor of ECE Deptt., NIT Silchar	Member
Prof. Santanu Roy, Professor of Mathematics Deptt., NIT Silchar	Member
Prof. Parthajit Roy, Professor of Civil Engineering Deptt., NIT Silchar	Member
Prof. Rabul Hussain Laskar, Professor of ECE Deptt., NIT Silchar	Member
Prof. Siddhartha Sankar Dhar, Professor of Chemistry Deptt., NIT Silchar	Member
Prof. M. Ahmaruzzaman, Professor of Chemistry Deptt., NIT Silchar	Member
Prof. Pranjit Barman, Professor of Chemistry Deptt., NIT Silchar	Member
Prof. Shahedul Haque Laskar, Professor of E&I Deptt., NIT Silchar	Member
Prof. Mausumi Sen, Professor of Mathematics Deptt., NIT, Silchar	Member
Prof. Brinda Bhowmick (Shome), Professor of ECE Deptt., NIT, Silchar	Member
Prof. Arup Kumar Goswami, Professor of Electrical Engineering Deptt., NIT, Silchar	Member
Prof. L.C. Saikia, Professor of Electrical Engineering Deptt., NIT Silchar	Member
Prof. J.P. Mishra, Professor of Electrical Engineering Deptt., NIT Silchar	Member
Prof. N.B. Singh, Professor of HSS Deptt., NIT Silchar	Member
Prof. Sudip Kumar Roy, Deptt. of Civil Engg., IIST Shibpur	External Member
Prof. Debjani Chakraborty, Deptt. of Mathematics, IIT Kharagpur	External Member
Prof. Y.M. Deshpande, Deptt. of Humanities, VNIT Nagpur	External Member
Prof. Asim Roy, Registrar (i/c), NIT Silchar	Secretary



Internal Complaint Committee

Name	Department	Designation	Role in ICC
Prof. Mausumi Sen	Mathematics	Professor	Presiding Officer
Prof. Mokaddes Ali Ahmed	Civil Engineering	Professor	Member
Dr. Juthika Mahanta	Mathematics	Assistant Professor	Member
Dr. Nabanita Adhikary	Electrical Engineering	Assistant Professor	Member
Mr. Niharendu Dhar	Accounts Section	Deputy Registrar	Member
Ms. Madhuritu Biswas	Academics	Superintendent	Member
Mrs. Susmita Purkayastha	Advocate (Domestic & Sexual Harassment)		Member

Deans

Sl. No.	Name	Department	Designation	Dean
1	Prof. Brinda Bhowmick (Shome)	Electronics and Communication Engineering	Professor	Academic
2	Prof. Siddhartha Sankar Dhar	Chemistry	Professor	SW
3	Prof. Nalin Behari Dev Choudhury	Electrical Engineering	Professor	R&C
4	Dr. Parthajit Roy	Civil Engineering	Professor	P&D
5	Prof. Parthasarathi Choudhury (up to 08.10.2024) / Prof. Ashim Kanti Dey (since 09.10.2024)	Civil Engineering	Professor	FW
6	Prof. Fazal Ahmed Talukdar (w.e.f 25.03.2025)	Electronics and Communication Engineering	Professor	Alumni

Associate Deans

Sl. No.	Name	Department	Designation	Assoc. Dean
1	Prof. Lalit Chandra Saikia	Electrical Engineering	Professor	Academic
2	Dr. Arnab Nandi	Electronics and Communication Engineering	Associate Professor	Exam
3	Dr. Briti Sundar Sil	Civil Engineering	Associate Professor	P&D
4	Dr. Nirmalendu Debnath	Civil Engineering	Associate Professor	P&D



5	Dr. Rajeeb Dey	Electrical Engineering	Associate Professor	P&D
6	Dr. Trupti Ranjan Lenka (up to 20.12.2024) / Dr. M. Lakshmi Vara Prasad (since 13.01.2025)	Electronics and Communication Engineering / Civil Engineering	Associate Professor	SW
7	Dr. Biplab Das (up to 06.01.2025) / Dr. Ranjay Hazra (since 07.01.2025)	Mechanical Engineering/ Electronics and Instrumentation Engineering	Associate Professor	SW
8	Dr. Malaya Dutta Borah (up to 29.11.2024) / Dr. K. Suganya Devi (since 30.11.2024)	Computer Science and Engineering	Assistant Professor	SW
9	Dr. Sudipta Chakraborty (up to 30.08.2024) / Dr. Debjit Bhowmik (since 20.09.2024)	Electronics and Instrumentation Engineering / Civil Engineering	Assistant Professor/ Associate Professor	SW
10	Dr. Sumit Bhowmik (Up To 15.01.2025) / Dr. Sukumar Pati (since 16.01.2025)	Mechanical Engineering	Associate Professor	R&C
11	Dr. Susanta Kumar Tripathy	Electronics and Communication Engineering	Associate Professor	R&C
12	Dr. Tanmoy Malakar (Up to 30.09.2024) / Dr. Dulal Chandra Das (since 01.10.2024)	Electrical Engineering	Associate Professor	FW
13	Dr. Wasim Arif (up to 20.01.2024) / Dr. Ujwala Baruah (since 21.08.2024)	Electronics and Communication Engineering / Computer Science and Engineering	Associate Professor	FW
14	Dr. Agnimitra Biswas	Mechanical Engineering	Associate Professor	Alumni



Head of the Departments

Sl. No.	Name	Department	Designation
1	Dr. Arjun Sil	Civil Engineering	Associate Professor
2	Dr. Pinki Roy	Computer Science and Engineering	Associate Professor
3	Prof. Arup Kumar Goswami (up to 31.08.2024) / Dr. Tanmoy Malakar (since 06.09.2024)	Electrical Engineering	Professor / Associate Professor
4	Dr. Koushik Guha	Electronics and Communication Engineering	Associate Professor
5	Dr. Rajdeep Dasgupta	Electronics and Instrumentation Engineering	Associate Professor
6	Dr. Sukumar Pati (up to 06.11.2024) / Dr. Sudipta Halder (since 11.11.2024)	Mechanical Engineering	Associate Professor
7	Prof. Ahmaruzzaman	Chemistry	Professor
8	Dr. Kedar Nath Das	Mathematics	Associate Professor
9	Dr. Saumya Ranjan Mohapatra	Physics	Associate Professor
10	Prof. N. Bhupendra Singh (up to 12.01.2025) / Dr. Reena Senasam (since 13.01.2025)	Humanities and Social Sciences	Professor / Associate Professor
11	Dr. Soma Panja (up to 31.07.2024)/ Dr. Ashim Kumar Das (since 01.08.2024)	Management Studies	Associate Professor



EDUCATION SYSTEM

Undergraduate (B.Tech.)

Admission Procedure

Admissions to the first semester of all Undergraduate courses are made on the basis of seats allocated by the Joint Seat Allocation Authority (JoSAA) and Central Seat Allocation Board (CSAB) from the list of candidates selected by all India JEE (Mains). Besides, a specified number of foreign nationals/NRIs selected under the policy laid down by Govt. of India, are admitted directly to the 1st year of the courses.

Academic Calendar

The academic session is divided into two semesters each of approximately 16 weeks duration, an Odd Semester (July-November), and an Even Semester (January-May). The JEE (Main) selected candidates take admission in the first semester and on successful completion of the semester register for the subsequent semester on the dates specified in the Academic Calendar. The Senate approves the Academic Calendar consisting of schedules of activities for a session inclusive of dates for registration, mid-semester, and end-semester examinations, inter-semester breaks, etc. well in advance of a session. The Academic Calendar usually provides a total of about 90 working days in each semester.

Programme Structure

The duration of the programme leading to a B.Tech. Degree is four years. The curricula for the different degree programmes as proposed by the respective departments and recommended by the Departmental Undergraduate Programme Committee (DUPC) shall have the approval of the Senate. The departments would also prepare the syllabus of each subject containing the scope of studies and detailed instructions to be imparted which must have the approval of the Senate. All the subjects would have a lecture-tutorial-practical (laboratory/sessional) component (L-T-P) to indicate the contact hours. The tutorial (T) or practical/ Sessional (P) component may be absent in certain courses. Separate laboratory subjects (0-0-P) may exist in certain cases as decided by the Senate on the recommendation of the DUPC. All the subjects will have a credit count 'C'. Teaching of subjects will be reckoned in terms of credits. In each of the first year/second year, there shall be non-credit compulsory Extra Academic Activity (EAA). The Extra Academic Activity may be N.S.S., N.C.C., or any other physical education. YOGA is a compulsory one semester non-credit course. The curriculum for B.Tech programme includes compulsory Industrial Training of 6-8 weeks duration after the 6th semester in any reputed industry, research organization, IIT's, and other reputed institutions which are assessed in the 7th Semester. The programme details is briefly elaborated in the B.Tech. Ordinances & Regulations.

Registration and Assessment

Students are registered in every semester irrespective of the number of credits they have earned at the end of every year. However, if a student fails to complete his/her courses in the stipulated first four years (8 semesters), the student is required to vacate the hostel and complete the remaining part of credits from outside.

- a) If a student fails in a course, he/she will have to repeat the course in the appropriate semester when the course is on offer. He/she may prefer to register that course and attend all classes and offer him/her for normal evaluation or the student may prefer to appear the mid-semester and end-semester examination and his/her internal evaluation would be carried forward from the semester where he/she was regularly registered.
- b) A student may change an elective course within the time-frame mentioned in the academic calendar. If a student fails in an elective course, he/she may change the elective when he/she re-registers for the elective in the appropriate semester.
- c) The duration of the UG programme is normally four years. However, academically weak students are permitted to complete the programme in six years from the date of first registration.



Postgraduate (M.Tech. / M.Sc. / MBA)

The M.Tech regulations provide the necessary guidelines for the two years of regular Postgraduate programme and three years part-time programme in Engg. Disciplines. Similarly, the M.Sc./MBA regulations provide guidelines for 2 years (4 semesters) M.Sc./MBA course.

Admission Procedure

M.Tech.

The courses leading to M.Tech degree are open to candidates who have obtained the requisite qualification with 60% marks or 6.5 CGPA in aggregate in the qualifying examination. Statutory relaxation in the eligibility criterion is provided to candidates belonging to SC/ST/PwD communities/categories. Admission for the GATE qualified candidates is made through Common Admission Process called Central Counselling for M.Tech /M.Plan/M.Arch (CCMT).

M.Sc. (Chemistry, Mathematics, Physics)

Admission to M.Sc. courses in Chemistry, Mathematics, and Physics is based on career marking, written test, and interview. Applicants must have secured at least 55% marks or a CPI of 6.00 in aggregate at B.Sc. level and preference is given to students having honours in the applied discipline. Statutory relaxation in the minimum eligibility criterion is provided to candidates belonging to SC/ST/PwD communities/categories.

MBA

The minimum eligibility criterion for admission to MBA is a Bachelor degree in any branch of Engg. /Science/ Humanities etc. with 55% marks or 6.00 CGPA and valid CAT/MAT/CMAT scores. Statutory relaxation in the minimum eligibility criterion is provided to candidates belonging to SC/ST/PwD communities/categories. Final selection is made on the basis of Group Discussion and Personal Interview conducted at the Institute.

Programme Structure

Teaching for the courses is reckoned in credits. Due credit is given to lecture, tutorial (theory), and practical components for a given subject. Normally for M.Tech, the first two semesters have a theory and practical (laboratory) subjects while for M.Sc/ MBA, theory courses are taught in all the semesters.

The 3rd and 4th semester mostly constitute the project work for M.Tech While for M.Sc/MBA, the project work spans over the fourth semester only. MBA students undergo a compulsory summer internship after the second semester. Project work and Seminars are an essential part of the curricula. Class tests, assignments, tutorials, viva-voce, laboratory assignments, etc., are the constituent components of the continuous assessment process and a student must fulfill all these requirements as prescribed by the teacher/coordinator of the subject.

Registration

Students in Postgraduate programmes register for the course at the beginning of each semester. These programmes do not have summer/re-examinations. Students securing 'F' grade in any course appear the exam in the following session. Attendance in all classes is compulsory and assessment and evaluation patterns are similar to an undergraduate course.

Research Programme (Ph.D.)

Students for admission to Ph.D Programme in Engg. Departments must satisfy one of the following criteria:

1. Master Degree in Engg. /Technology or equivalent in an appropriate area with a minimum CPI of 6.5 or equivalent (60% of marks).
2. Bachelor Degree in Engg. /Technology with an excellent academic record and with a CPI of at least 8 or equivalent (70% of marks).
3. Students for admission to the Ph.D Programme in Science Departments must have a Master degree in relevant discipline with a first-class or a minimum of 60% of marks or equivalent. Students for admission to the Ph.D Programme in Humanities and Social sciences (HSS) Departments must have a Master degree with a minimum of 55% marks or equivalent. The selection of candidates is made on the basis of an interview conducted by the department concerned.



Academic Programmes

Courses Offered

- (i) A four-year B.Tech. Programme in the following branches of Engineering and Technology, is offered during the period.

- ❖ Civil Engineering
- ❖ Mechanical Engineering
- ❖ Electrical Engineering
- ❖ Electronics & Communication Engineering
- ❖ Computer Science & Engineering
- ❖ Electronics & Instrumentation Engineering

- (ii) A two- year M.Tech., M.Sc. & MBA programmes in the following branches of Engineering and Technology/Science/ Management is offered during the period.

M.Tech (Under Civil Engg. Department)

- ❖ Water Resources Engineering
- ❖ Geotechnical Engineering
- ❖ Transportation Engineering
- ❖ Structural Dynamics & Earthquake Engineering
- ❖ Structural Engineering

M.Tech (Under Electrical Engg. Department)

- ❖ Power and Energy Systems Engineering
- ❖ Control & Industrial Automation

M.Tech (Under Mechanical Engg. Department)

- ❖ Thermal Engineering
- ❖ Design & Manufacturing
- ❖ CAD-CAM & Automation
- ❖ Materials & Manufacturing Technology
- ❖ Renewable Energy

M.Tech (Under Electronics & Communication Engg. Department)

- ❖ Microelectronics & VLSI Design
- ❖ Communication & Signal Processing Engg.
- ❖ RF & Terahertz Communication

M.Tech (Under Computer Science & Engg. Department)

- ❖ Computer Science & Engg.
- ❖ Artificial Intelligence
- ❖ Data Science

M.Tech in Instrumentation Engg. (Under Electronics & Instrumentation Engg. Department)

M.Sc in Applied Chemistry (Chemistry Department)

M.Sc in Applied Physics (Under Physics Department)

M.Sc in Mathematics (Under Mathematics Department)

MBA (Under Management Studies Department)



Enrolment (UG & PG)

B.TECH. ENROLMENT

The following table shows the semester-wise, course wise enrollment with sex and caste breakup for the Year 2024-25. (Including foreign students)

Sem	Branch	Open (Breakup)		Open EWS (Breakup)		OBC (Break up)		SC (Break up)		ST (Breakup)		PH		Total Enrol- ment
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Total
1 ST & 2 ND	CE	34	8	21	6	40	9	18	6	8	3	1 OPPH 1 OBPH	1 OBPH	156
	ME	33	9	28	5	42	10	20	5	10	2	1 OPPH	0	165
	EE	38	9	23	7	39	8	19	5	10	2	3 OPPH 1 OBPH	1 OBPH	165
	ECE	37	7	25	7	37	10	19	5	9	2	1 OPPH 2 EWSPH 1 OBPH 1 STPH	1 OPPH	164
	CSE	47	11	25	6	38	10	18	5	10	2	1 OPH 1 EWSPH 3 OBPH 2 SCPH	1 SCPH	180
	E&I	22	9	17	2	22	6	12	2	6	2	0	0	100
	Total	211	53	139	33	218	53	106	28	53	13	19	4	930
3 RD & 4 TH	CE	33	11	15	4	39	7	18	4	10	2	1 OPPH	0	144
	ME	35	9	18	5	34	8	17	5	11	2	0	0	144
	EE	35	13	18	3	41	8	17	5	10	2	2 OPPH 1 OBPH	0	155
	ECE	46	14	23	4	42	9	17	5	10	2	2 OBPH	0	174
	CSE	52	17	23	5	44	9	19	5	10	2	1 EWSPH 4 OBPH	1 OPPH	192
	E&I	21	8	16	1	23	6	13	2	6	2	1 OPPH	0	99
	Total	222	72	113	22	223	47	101	26	57	12	12	1	908



5 TH & 6 TH	CE	31	8	14	3	46	8	17	5	7	4	0	0	143
	ME	28	8	20	4	36	9	19	4	8	3	1 OBPH	0	140
	EE	37	7	27	4	38	7	17	5	9	2	1 OBPH	0	154
	ECE	44	14	22	4	38	8	19	5	10	3	2 OPPH 1 EWSPH 1 OBPH	1 OPPH	172
	CSE	51	12	22	6	45	9	19	5	10	2	2 OBPH	1 OBPH	184
	E&I	19	3	13	4	18	3	10	2	3	3	1 OPPH	0	79
	Total	210	52	118	25	221	44	101	26	47	17	9	2	872
7 TH & 8 TH	CE	28	8	19	4	35	8	16	4	9	4	1 OBPH 1 STPH	0	137
	ME	36	6	19	3	34	7	16	5	9	3	0	0	138
	EE	39	7	17	4	35	8	18	5	9	1	2 OBPH	0	145
	ECE	45	10	27	3	40	6	22	5	9	2	1 OPPH 1 EWSPH 1 OBPH	1 OBPH	173
	CSE	50	14	29	6	35	7	19	4	9	2	1 OPPH 3 OBPH 1 SCPH 1 STPH	1 OBPH	182
	E&I	20	4	12	4	18	3	8	2	3	2	1 OPPH	0	77
	Total	218	49	123	24	197	39	99	25	48	14	14	2	852
Grand Total		861	226	493	104	859	183	407	105	205	56	54	9	3562

CE= Civil Engineering, ME=Mechanical Engineering, EE= Electrical Engineering, ECE=Electronics & Communication Engineering, CSE= Computer Science & Engineering, E&I= Electronics & Instrumentation Engineering.

The following is a summary table of the number of B.Tech. Students on the roll of NIT Silchar during 2024-25:

Year	CE	ME	EE	ECE	CSE	EIE	TOTAL
1 st	156	165	165	164	180	100	930
2 nd	144	144	155	174	192	99	908
3 rd	143	140	154	172	184	79	872
4 th	137	138	145	173	182	77	852
TOTAL:	580	587	619	683	738	355	3562



PG ENROLMENT (2024-25)

Sem	Branch	Open		EWS		SC		ST		OBC		PWD		Foreign student	Sponsored		Total		Grand Total	
		Break up		Break up		Break up		Break up		Break up		Break up								
1 st Sem.		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
	CE	5	5	2	0	10	1	1	4	16	6	0	0	0	0	0	0	44	16	60
	CSE	15	6	6	0	7	2	3	0	17	7	0	0	2	0	0	0	50	15	65
	EE	2	0	0	0	8	0	2	0	2	0	0	0	0	0	0	0	14	0	14
	ECE	8	5	5	0	8	2	2	1	13	1	0	0	0	0	0	0	36	9	45
	E&I	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	2	3
	ME	4	1	0	0	8	0	2	0	3	2	0	0	0	0	0	0	17	3	20
Total		45	17	13	0	41	5	10	5	51	18	0	0	2	0	0	0	162	45	207
3 rd Sem.	CE	16	3	3	0	11	2	6	3	6	5	0	0	1	0	0	0	43	13	56
	CSE	17	3	3	1	6	2	3	0	11	4	0	0	2	0	0	0	42	10	52
	EE	3	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	6	0	6
	ECE	8	1	0	0	2	0	1	0	0	1	0	0	0	0	0	0	11	2	13
	E&I	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	2
	ME	3	0	0	0	2	0	1	4	2	0	0	0	0	0	0	0	8	4	12
Total		47	7	6	1	21	4	12	7	22	11	0	0	3	0	0	0	111	30	141
M.Tech. Grand Total		92	24	19	1	62	9	22	12	73	29	0	0	5	0	0	0	273	75	348
1 st Sem.	Chem	6	3	1	1	4	0	0	0	4	1	0	0	0	0	0	0	15	5	20
	Maths	4	3	2	0	3	1	2	0	8	1	0	0	0	0	0	0	19	5	24
	Phy	6	0	1	0	0	1	0	0	5	1	0	0	0	0	0	0	12	2	14
Total		16	6	4	1	7	2	2	0	17	3	0	0	0	0	0	0	46	12	58
3 rd Sem.	Chem	4	3	0	2	1	1	0	1	4	3	0	0	0	0	0	0	9	10	19
	Maths	3	2	4	1	4	0	1	0	9	0	0	0	0	0	0	0	21	3	24
	Phy	6	3	0	0	1	1	0	4	3	0	0	0	0	0	0	0	11	7	18
Total		13	8	4	3	6	2	1	5	16	3	0	0	0	0	0	0	40	21	61
M.Sc. Grand Total		29	14	8	4	13	4	3	5	33	6	0	0	0	0	0	0	86	33	119
1 st Sem.	MBA	9	10	3	0	8	1	0	2	8	8	0	0	0	0	0	0	28	21	49
3 rd Sem	MBA	13	14	2	1	4	1	0	1	7	7	0	0	0	0	0	0	26	24	50
MBA Grand Total		22	24	5	1	12	2	0	3	15	15	0	0	0	0	0	0	54	45	99
GRAND TOTAL IN OVERALL		143	62	32	6	87	15	25	20	121	50	0	0	3	0	0	0	413	153	566



Admission Statistics – B.Tech.

(a) Indian students admitted

The following table shows the state-wise and course-wise admission statistics with category break up for the year 2024-25.

Name of State	Category	CE	CSE	EE	ECE	E&I	ME	Total
ASSAM	OP	28	25	27	25	15	23	143
	OBC	21	23	23	23	14	24	128
	SC	12	11	12	12	7	13	67
	ST	6	6	6	6	4	6	34
	OPPH	1	0	2	0	0	0	3
	OBPH	1	2	0	0	0	0	3
	SCPH	0	2	0	0	0	0	2
	EWS	9	12	12	12	9	14	68
DELHI	OP	0	0	0	0	1	0	1
	OBC	0	0	1	0	0	0	1
UTTARAKHAND	OP	0	0	1	1	0	0	2
	OPPH	0	0	0	1	0	0	1
	EWS	0	0	1	0	0	0	1
WEST BENGAL	OP	0	0	0	2	0	0	2
	SC	0	0	3	0	0	0	3
	OPPH	0	0	0	1	0	0	1
TAMIL NADU	OP	0	0	0	0	1	0	1
	OBC	0	0	0	1	0	0	1
	SC	0	0	0	2	1	0	3
JHARKHAND	OP	0	2	0	0	0	0	2
	OBC	0	1	1	1	1	0	4
	ST	0	0	0	0	1	0	1
	EWS	0	0	1	0	0	0	1
MAHARASHTRA	OP	0	2	2	0	1	2	7
	OBC	0	2	0	0	0	0	2
	SC	0	0	0	0	0	1	1
	EWS	0	1	0	0	0	0	1
MANIPUR	OBC	0	0	0	0	0	1	1
	ST	0	1	0	0	0	0	1



ODISHA	OP	0	0	2	1	0	1	4
	OPPH	0	0	0	0	0	1	1
	EWSPH	0	1	0	0	0	0	1
TRIPURA	SC	1	0	1	1	0	0	3
UTTAR PRADESH	OP	2	1	3	2	4	3	15
	OBC	7	2	10	5	8	6	38
	SC	4	4	6	6	2	2	24
	ST	0	0	1	0	0	0	1
	OPPH	0	0	1	0	0	0	1
	EWS	9	2	3	6	4	4	28
CHATTISGARH	ST	0	1	1	0	0	0	2
GUJRAT	OP	0	2	0	2	0	0	4
	EWS	0	1	0	0	0	0	1
KARNATAKA	OP	1	0	0	0	1	1	3
	OBC	0	1	0	0	0	0	1
	SC	0	1	0	0	0	0	1
MADHYA PRADESH	OP	1	0	2	1	1	0	5
	SC	1	0	0	0	0	0	1
	EWS	0	0	1	0	0	1	2
RAJASTHAN	OP	1	1	2	1	1	2	8
	OBC	5	1	3	2	1	1	13
	SC	3	2	1	3	0	3	12
	ST	0	0	0	1	0	2	3
	EWS	3	0	0	1	1	1	6
	EWSPH	0	0	0	1	0	0	1
TELANGANA	OP	0	2	1	2	0	0	5
	OBC	2	4	2	5	2	1	16
	SC	0	1	0	0	0	0	1
	ST	2	2	4	4	3	4	19
	SCPH	0	1	0	0	0	0	1
	STPH	0	0	0	1	0	0	1
	EWS	0	4	2	4	1	2	13
ARUNACHAL	ST	2	0	0	0	0	0	2



(b) Foreign students admitted

[illegible]



Sl. No.	Courses	Intake Capacity	Admitted	Remarks
1.	Civil Engineering	157	156	The excess intake (over & above the intake capacity) is including foreign students.
2.	Computer Sc. & Engg.	161	180	
3.	Electrical Engineering	162	165	
4.	Electronics & Communication Engg.	162	164	
5.	Electronics & Instrumentation Engg.	100	100	
6.	Mechanical Engg.	161	165	
Total		903	930	

(a) Indian & Foreign Students Admitted

[illegible]



M.Tech in Electronics & Communication Engg.	Communication & Signal Processing Engg.	3	1	1	0	2	1	0	0	2	0	0	0	0	0	0	0	8	2	10
	Microelectronics & VLSI Design	5	3	3	0	5	0	2	0	10	1	0	0	0	0	0	0	25	4	29
	RF & Terahertz Communication	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0	3	3	6
	TOTAL	8	5	5	0	8	2	2	1	13	1	0	0	0	0	0	0	36	9	45
M.Tech in Electronics & Instrumentation Engg.	Instrumentation Engg.	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	2	3
	TOTAL	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	2	3
M.Tech in Mechanical Engg.	CAD-CAM & Automation	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	3
	Design & Manufacturing	0	0	0	0	1	0	0	0	2	1	0	0	0	0	0	0	3	1	4
	Materials & Manufacturing Technology	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	Renewable Energy	2	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3	1	4
	Thermal Engg.	1	1	0	0	4	0	1	0	1	0	0	0	0	0	0	0	7	1	8
	TOTAL	4	1	0	0	8	0	2	0	3	2	0	0	0	0	0	0	17	3	20
Grand Total		45	17	13	0	41	5	10	5	51	18	0	0	2	0	0	0	162	45	207
M.Sc.	Applied Chemistry	6	3	1	1	4	0	0	0	4	1	0	0	0	0	0	0	15	5	20
	Mathematics	4	3	2	0	3	1	2	0	8	1	0	0	0	0	0	0	19	5	24
	Applied Physics	6	0	1	0	0	1	0	0	5	1	0	0	0	0	0	0	12	2	14
TOTAL		16	6	4	1	7	2	2	0	17	3	0	0	0	0	0	0	46	12	58
Management Studies	MBA	9	10	3	0	8	1	0	2	8	8	0	0	0	0	0	0	28	21	49
GRAND TOTAL		70	33	20	1	56	8	12	7	76	29	0	0	2	0	0	0	236	78	314



(b) Foreign Students Admitted

The following table shows the Admission Statistics of Foreign students for the year 2024-2025.

Sl. No.	Courses (M.Tech.)	Admitted
1.	Civil Engineering	NIL
2.	Mechanical Engineering	NIL
3.	Electrical Engineering	NIL
4.	Electronics & Communication Engineering	NIL
5.	Computer Science & Engineering	2 (Bangladesh)
6.	Electronics & Instrumentation Engineering	NIL
Total		2

M.Tech., M.Sc. & MBA Intake Capacity & Admission

The following table shows course admission statistics of PG programmes (M.Tech., M.Sc. & MBA) for the year 2024-2025 (Including foreign student)

Deptt.	Sanctioned Strength including sponsored category	M.Tech., M.Sc. & MS Specializations	No. of PG Student		
			Male	Female	Total
CE	25+5	M.Tech. in Geotechnical Engg.	8	3	11
	25+5	M.Tech. in Structural Dynamics & Earthquake Engg.	8	1	9
	25+5	M.Tech. in Structural Engg.	18	5	23
	25+5	M.Tech. in Transportation Engg.	7	2	9
	25+5	M.Tech. in Water Resources Engg.	3	5	8
CSE	20+4	M.Tech. in Artificial Intelligence	19	4	23
	25+5	M.Tech. in Computer Science & Engg.	20	8	28
	13+2	M.Tech. in Data Science & Engg.	11	3	14
EE	25+5	M.Tech. in Control & Industrial Automation	5	0	5
	25+5	M.Tech. in Power & Energy System Engg.	9	0	9
ECE	25+5	M.Tech. in Communication & Signal Processing Engg.	8	2	10
	25+5	M.Tech. in Microelectronics & VLSI Design.	25	4	29
	13+2	M.Tech. in RF & Terahertz Communication	3	3	6
EIE	13+2	M.Tech. in Instrumentation Engg.	1	2	3



ME	13+2	M.Tech. in CAD-CAM & Automation	3	0	3
	25+5	M.Tech. in Design & Manufacturing	3	1	4
	12+2	M.Tech. in Materials & Manufacturing Technology	1	0	1
	10+2	M.Tech in Renewable Energy	3	1	4
	25+5	M.Tech. in Thermal Engg.	7	1	8
CHEM	25+5	M.Sc. in Applied Chemistry	15	5	20
MATH	25+5	M.Sc. in Mathematics	19	5	24
PHY	25+5	M.Sc.in Applied Physics	12	2	14
MS (MBA)	75	MBA	28	21	49
Grand Total (M.Tech. + M.Sc. + MBA) =			236	78	314

CE= Civil Engineering, ME= Mechanical Engineering, EE= Electrical Engineering, ECE= Electronics & Communication Engineering, CSE= Computer Science & Engineering, E&I= Electronics & Instrumentation Engineering, PHY= Physics, CHEM= Chemistry, MATH= Mathematics, MS=Management Studies.

The following is a summary of the total number of PG students on the roll of NIT Silchar during 2024-2025

Courses	CE	CSE	EE	ECE	E&I	ME	CHY	MATHS	PHY	MBA	TOTAL
M.Tech.	116	117	20	58	5	32	-	-	-	-	348
M.Sc.	-	-	-	-	-	-	39	48	32	-	119
MBA	-	-	-	-	-	-	-	-	-	99	99
Total											566

Students Strength

The following table shows the Total UG and PG student strength on the roll (course wise) of the year 2024-25 at NIT Silchar.

Courses	Branches	Total students strength (course-wise)
UG (B.Tech.)	Civil Engineering	580
	Mechanical Engineering	587
	Electrical Engineering	619
	Electronics & Communication Engg.	683
	Computer Science & Engineering	738
	Electronics & Instrumentation Engg.	355



PG	M.Tech.	Postgraduate Course (all engineering department)	348
	M.Sc.	Applied Chemistry/Applied Physics/Mathematics	119
	Management Studies	MBA	99
GRAND TOTAL			4128

Awards

The Institute offered the following awards in the 22nd Convocation held in November 2024.

(A)	Institute Gold Medals	
Sl. No.	Title of the Medal	Awardees
1.	Best B.Tech. Graduate	Miraj Deka (EE Deptt.)
2.	Best Post Graduate	Policherla Venkata Hari Revanth (CE (SE) Deptt.)
		Swayambhu Ray (Physics Deptt.)

(B)	Institute Silver Medals	
Sl. No.	Title of the Medal	Awardees
1	Best B.Tech. Graduate in Civil Engineering	Utkarsh Kumar Mishra
2	Best B.Tech. Graduate in Mechanical Engineering	Dhritiraj Kalita
3	Best B.Tech. Graduate in Electronics and Communication Engineering	Patlolla Rithik Reddy
4	Best B.Tech. Graduate in Computer Science & Engineering	Nagunoori Amogh
5	Best B.Tech. Graduate in Electronics & Instrumentation Engineering	Siddhartha Upadhyay
6	Best Post Graduate in Geotechnical Engg. (CE)	Pragyan Kalita
7		Wahengbam Ratankumar
8	Best Post Graduate in Transportation Engg. (CE)	Wahengbam Ratankumar



9	Best Post Graduate in Computer Science & Engg.	Bitanuka Deb
10	Best Post Graduate in Artificial Intelligence Computer Science & Engg.	Rituraj Das
11	Best Post Graduate in Microelectronics & VLSI Design (ECE)	Soham Sen
12	Best Post Graduate in Applied Chemistry	Bishwaranjan Panigrahi
13	Best Post Graduate in Mathematics	Arun Kumar
14	Best Post Graduate in Management Studies	Aditee Mitra

Sponsored Awards:

(C) Kalikrishna Mrinalini Deb Krori Award		
Title of the Medal	Department	Awardees
Best B.Tech. Graduate on overall performance, (Instituted by Dr. K.D. Krori, Guwahati)	Mechanical Engineering	Mriganga Jyoti Chutia

(D) Saswata Purkayastha Memorial Award		
Title of the Medal	Department	Awardees
Best Gymkhana Member of B.Tech., considering all round activities (Instituted by Shree Niharendu Purkayastha , Silchar)	Electrical Engineering	Miraj Deka

(E) Best All Round Graduate Award		
Title of the Medal	Department	Awardees
Best All Round Graduate Award	Mechanical Engineering	Ananya Kalita

(F) Subhankar Pandit Memorial Award		
Title of the Medal	Department	Awardees
Subhankar Pandit Memorial Award	Electrical Engineering	Miraj Deka

(G) Best Doctoral Award		
Title of the Medal	Department	Awardees
Best Doctoral Award	Chemistry	Soumya Ranjan Mishra



EXAMINATION DETAILS

Even semester examinations were held in the month of May 2024 (both UG & PG) & Odd semester examinations were held in the month of Dec. 2024 (both UG & PG).

STATISTICS OF THE RESULTS PASSED OUT IN 2024

B. TECH.

Programme	Branch & Course	No. of Students appeared	Passed & Eligible for Degree	Failed/ Withheld	Percentage passed
B.Tech.	Civil Engg.	135	134	1	99.26%
	Mechanical Engg.	136	133	3	97.79%
	Electrical Engg.	152	146	6	96.05%
	Electronics & Comm. Engg.	176	176	0	100%
	Computer Sc. & Engg.	183	182	1	99.45%
	Electronics & Instrumentation	84	82	2	97.62%
	Total	866	853	13	98.50 %

M.TECH.

Department	Specialization	No. of Students appeared	Passed & Eligible for Degree	Withheld/ Not Appeared	Percentage of Pass
Civil Engg.	Geotechnical Engg.	11	11	--	100%
	Structural Engineering	21	21	--	100%
	Structural Dynamics & Earthquake Engg.	08	08	--	100%
	Transportation Engg.	16	16	--	100%
	Water Resources Engg.	09	08	01	88.88%
Mechanical Engineering	CAD-CAM & Automation	01	01	--	100%
	Design & Manufacturing	11	11	--	100%
	Materials & Manufacturing Tech.	07	07	--	100%
	Renewable Energy	08	08	--	100%
	Thermal Engineering	02	02	--	100%
Electrical Engineering	Control & Industrial Automation	14	13	01	92.86%
	Power & Energy System Engineering	06	05	01	83.33%



Electronics & Communication Engineering	Communication & Signal Processing Engineering	11	11	--	100%
	Microelectronics & VLSI Design	14	14	--	100%
Computer Sc. & Engg.	Artificial Intelligence	07	07	--	100%
	Computer Sc. & Engg.	16	15	01	93.75%
Electronics & Instrumentation Engineering	Instrumentation Engg.	02	01	01	50%
-	Total	164	159	05	96.95 %

M.Sc.

Department	Specialization	No. of Students appeared	Passed & Eligible for Degree	Withheld/ Not Appeared	Percentage of Pass
Chemistry	Applied Chemistry	20	20	--	100%
Mathematics	Mathematics	21	21	--	100%
Physics	Applied Physics	18	18	--	100%
-	Total	59	59	--	100 %

MBA

Department	Specialization	No. of Students appeared	Passed & Eligible for Degree	Withheld/ Not Appeared	Percentage of Pass
Management Studies	Master of Business Administration (MBA)	52	51	01	98%
-	Total	52	51	01	98 %

List of candidates qualified for the Degree of Bachelor of Technology after 21st Convocation held in November 2023 and before 22nd Convocation held in November 2024.

Branch	Appeared	Passed
Civil Engg (B.Tech)	1	1
Mechanical Engineering (B.Tech)	1	1
Electrical Engineering (B.Tech)	2	2
Electronics & Communication Engg. (B.Tech)	1	1
Computer Science & Engg. (B.Tech)	2	2
Electronics & Instrumentation Engg (B.Tech)	NIL	NIL



Placement Statistics of NIT Silchar 2024-25

Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
1.	Lowe's India	10-11 Jul 2024	18.76	-	06	-	-	-	-	-	-	-	06	On line drive
2.	ZS Associates India Pvt. Ltd.	25-26 Jul 2024	13.65	-	2	3	7	5	1	-	-	-	18	On line drive
3.	Fanatics	27 Jul 2024	20.21	-	5	-	-	-	-	-	-	-	5	On line drive
4.	Tredence Analytics	30 Jul 2024	10	-	2	2	-	-	-	-	-	-	4	Off line drive
5.	Intuit	PPO	45.22	-	1	-	-	-	-	-	-	-	1	
6.	Microsoft	PPO	49.04	-	-	-	1	-	-	-	-	-	1	
7.	Mathworks	05 Aug 2024	25.92	-	-	-	1	-	-	-	-	-	1	On line drive
8.	Oceaneering Service Ltd Intl	05-07 Aug 24	8.87	-	-	-	-	-	6	-	-	-	6	Off line drive
9.	City India	PPO	18	-	-	-	2	-	-	-	-	-	2	
10.	Oracle India Pvt Ltd	9-11 Sep 2024	19.18											Off line drive
11.	Accenture India	PPO	11.89	-	4	2		1	-	-	-	-	19+1 =20	
		08 Oct 2024	11.89	1	3	2	5	-	-	-	-	-		Off line drive
		20 Dec 2024	14.8 & 10.82	-	-	1	-	-	-	-	-	AI-1		
12.	Cisco India	PPO	28.38	-	4	1	-	-	-	-	-	-	12	
		03 Sep 2024		-	4	-	3	-	-	-	-	-		On line drive



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
13.	Union Bank of Switzerland (UBS)	12-13 Aug 24	12.5	-	6	-	1	-	-	-	-	-	7	Off line drive
14.	Atlassian	PPO	35.98	-	2	-	-	-	-	-	-	-	2	
15.	SAP LAB India	PPO & FTE	29.5	-	1+2	1+1	1+2	-	-	-	-	-	8	
16.	JP Morgan	18-19 Aug 24	19.75	-	1	-	-	-	-	-	-	-	1	On line drive
17.	TVS Motor	PPO	8	-	-	-	-	-	1	-	-	-	1	
18.	Deutsche India Pvt. Ltd., Pune	PPO	20.21	-	4	-	1	1	-	-	-	-	6	
19.	Jubilant FoodWorks	29 Aug 2024	8.72	2	-	-	-	-	2	-	-	-	4	On line drive
20.	Amadeus Software Labs	29-30 Aug 24	12.62	-	3	1	5	1	-	-	-	-	10	On line drive
21.	Caterpillar	28-30 Aug 24	13.25	-	-	-	-	-	-	-	-	-	-	Off line drive
22.	Ashok Leyland Ltd.	30 Aug 2024	7.5	-	-	1	1	-	1	-	-	-	-	On line drive
23.	Restroworks	17 Sep 2024	9	-	-	-	2	-	-	-	-	-	2	On line drive
24.	Sigmoid Analytics	13-14 Sep 24	8	-	-	1	8	-	-	-	-	-	9	Off line drive
25.	Unistring Tech Solutions Pvt. Ltd.	09-10 Sep 24	8	-	-	-	1	-	-	-	-	-	1	Off line drive
26.	Namekart	15-17 Sep 24	10	1	2	1	-	1	-	-	-	-	5	Off line drive
27.	Hitachi Energy	16 Sep 2024	6	-	-	1	-	-	-	-	-	-	1	On line drive



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
28.	Deloitte USI	23 Sep 2024	7.6	1	1	6	5	5	-	Mktg-2	-	DSE-1	18+3=21	On line drive
29.	Info Edge India Ltd.	24 Sep 2024	14.5	-	2	-	1	-	-	-	-	-	3	On line drive
30.	Hindusthan Unilever Ltd	26-27 Sep 24	20.5	-	-	2	-	1	-	-	-	-	3	Off line drive
31.	GreyB Research Pvt Ltd	27-29 Sep 24	7	-	-	-	2	-	-	-	-	Thrm-1	2+1=3	Off line drive
32.	Cairn Oil and Gas	PPO	14	-	-	-	-	2	-	-	-	-	2	
33.	Uber	PPO	14.5	-	2	-	-	-	-	-	-	-	2	
34.	Hindustan Petroleum Corporation Ltd	4-6 Oct 2024	17	-	2	-	-	2	-	-	-	-	4	Off line drive
35.	IDrive Software India Pvt Ltd	9-10 Oct 2024	15	-	1	-	-	-	-	-	-	-	1	On line drive
36.	Hewlett Packard Enterprise (HPE, India)	16-18 Oct 24	17.5	-	3	1	7	-	-	-	-	-	11	Off line drive
37.	Eaton India	16-17 Oct 24	9	-	-	-	-	-	7	-	-	-	7	Off line drive
38.	MakeMyTrip	16 Oct 2024	14.5	-	6	-	-	-	-	-	-	-	6	On line drive
39.	WSP, Noida	17 Oct 2024	6.5	-	-	-	-	-	-	-	-	Tpt-1	1	On line drive
40.	Midea India Pvt Ltd.	20-22 Oct 24	7	-	-	-	-	-	2	-	-	-	2	Off line drive
41.	LumiQ	24-25 Oct 24	8	-	-	3	4	-	-	-	-	-	7	On line drive
42.	Mewurk Technologies Pvt Ltd (Mantra SoftTech)	29 Oct 2024	10	-	1	-	2	-	-	-	-	-	3	On line drive



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
43.	Zupee	06 Nov 2024	18	-	1	-	4	-	-	-	-	-	5	On line drive
44.	Rashmi Group	7,11 & 12 Nov 24	8.4	3	3	6	5	13	3	-	-	-	33	On line drive
45.	Optum	11-12 Nov 24	15.5	-	4	-	2	4	-	-	-	-	10	On line drive
46.	McKinley Rice	7 Nov 2024	16	-	1	1	-	-	-	-	-	-	2	On line drive
47.	National Stock Exchange of (I) Ltd (NSE)	12-13 Nov 24	8	-	2	1	2	2	-	-	-	-	7	On line drive
48.	Digit Insurance	14 Nov 2024	9.5	-	7	-	-	-	-	-	-	-	7	On line drive
49.	Larsen & Toubro Ltd	15 Nov 2024	6.57 & 6.80	25	-	8	-	4	5	-	-	RE-1 SE-1 PESE-1 EI-1	42+4 =46	On line drive
50.	Micron Semiconductor	18-19 Nov 2024	13.17	-	-	2	3	1	1	-	-	-	7	Off line drive
51.	TATA1MG Technologies	18 Nov 2024	16	-	4	-	-	-	-	-	-	-	4	On line drive
52.	MAQ Software	20 Nov 2024	9	-	2	-	-	-	-	-	-	-	2	On line drive
53.	Fluence Energy	26 Nov 2024	11.6	-	-	-	-	-	-	-	-	PESE-1	1	On line drive
54.	Axis Bank Ltd.	26 Nov 2024	8.23	1	1	3	1	1	-	-	-	-	7	On line drive



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
55.	Zenerate	27-28 Nov 2024	11.25	-	-	1	1	-	-	-	-	-	2	Off line drive
56.	Barak and Brazos Engg LLP	27 Nov 2024	6	-	-	2	-	-	2	-	-	-	4	Off line drive
57.	Cashfree Payments India Pvt. Ltd.	28 Nov 20254	18	-	1	-	-	-	-	-	-	-	1	On line drive
58.	Avada Group	29-30 Nov 2024	6	3	-	4	-	-	4	-	-	-	11	Off line drive
59.	Creanovation Technologies Pvt Ltd	02 Dec 2024	6	-	-	-	-	-	-	-	-	CSE-2	2	On line drive
60.	Siemens Healthcare Pvt. Ltd.	08 Dec 2024	16	-	4	-	-	-	-	-	-	DSE-1 CSE-2	4+3=7	On line drive
61.	Juspay Technologies Private Limited.	PPO	27	-	-	-	-	1	-	-	-	-	1	
62.	Delhivery Ltd.	17 Dec 2024	7	3	-	1	-	-	2	-	-	-	6	On line drive
63.	Daimler (I) Commercial Vehicles Pvt. Ltd.	16-19 Dec 2024	7.5	-	-	-	-	-	5	-	-	-	3	Off line drive
64.	Intel Corporation	16 Dec 2024	16.2	-	-	-	-	-	-	-	-	VLSI-1	1	On line drive
65.	IDBI Bank Ltd	17 Dec 2024	6.5	-	-	-	-	-	-	Fin-4 Mktg-2	-	-	6	On line drive
66.	ITC Limited	19 Dec 2024	4.5	-	-	-	-	-	-	Mktg-2	-	-	2	On line drive



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
67.	Vellore Institute of Technology, Vellore.	21 Dec 2024	6	-	-	-	-	-	-	-	-	CSE-1	1	On line drive
68.	GlobalLogic	05 Jan 2025	7.36	-	-	4	5	-	-	-	-	-	9	On line drive
69.	Dayananda Sagar University, Bengaluru	10 Jan 2025	7.33	-	-	-	-	-	-	-	-	AI-4 CSE-2 DSE-1	7	On line drive
70.	Tata BlueScope Steel Pvt. Ltd.	13 Jan 2025	6.5	-	-	2	-	-	1	-	-	-	3	On line drive
71.	Sri Chaitanya Group	20-22 Jan 2025	5.5	-	-	-	-	-	-	-	Phy-7 Chm-5 Math-7	TPT-1	19+1=20	Off line drive
72.	Avanti Fellows	21-24 Jan 2025	5	-	-	-	1	-	-	-	Chem-2	-	1+2=3	Off line drive
73.	Numaligarh Refinery Ltd (NRL)	24 Jan 2025	17.7	1	1	1	-	1	1	-	-	-	5	Off line drive
74.	Bounteous x Accolite	24 Jan 2025	8	-	-	1	-	-	-	-	-	-	1	On line drive
75.	Axis My India	27 Jan 2025	7	1	-	-	-	1	-	-	-	-	2	On line drive
76.	Parul University	27 Jan 2025	7.45	-	-	-	-	-	-	-	-	AI-1	1	On line drive
77.	Applied Materials	27-28 Jan 2025	7.9	-	-	2	-	-	-	-	-	-	2	Off Line Drive
78.	Publicis Sapient	28 Jan 2025	20.68	-	4	-	-	-	-	-	-	-	4	On line drive
79.	GCMMF Ltd. (Amul), Guwahati	01 Feb 2025	6.5	-	-	-	-	-	-	Mktg-1	-	-	1	On line drive



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
80.	Coffee Day Beverages	03 Feb 2025	6.4	-	-	-	-	-	-	Mktg-1	-	-	1	On line drive
81.	Launched Global	05 Feb 2025	5	1	-	-	-	-	-	Mktg-2 HR-3	-	-	1+5=6	On line drive
82.	VOIS (Vodafone Intelligent Solutions)	06 Feb 2025	5	-	2	-	-	-	-	-	-	-	2	On line drive
83.	Bandhan Bank	7-8 Feb 2025	6.5	-	-	-	-	-	-	Mktg-2 Fin-1	-	-	3	Off Line Drive
84.	HCL Software	14 Feb 2025	18	-	-	-	-	-	-	-	-	AI-2 DSE-1 CSE-1 VLSI-1	5	On line drive
	HCL Tech	25 Feb 2025	10	-	2	-	6	-	-	-	-	-	8	
85.	Unthinkable Solutions	15-16 Feb 2025	10	-	-	2	-	-	-	-	-	-	2	Off Line Drive
86.	Technip Engineers	21 Feb 2025	6.1	-	-	1	-	-	1	-	-	-	2	On line drive
87.	Tata Consulting Engineers	17 Feb 2025	4.5	1	-	-	-	-	-	-	-	SE-1 ME-1	1+2=3	On line drive
88.	Anglo-Eastern Maritime Trg Centre	18 Feb 2025	7.20	-	-	-	-	-	1	-	-	-	1	On line drive
89.	Tata Hitachi Const. Machinery Pvt Ltd	16-19 Feb 25	6	-	-	-	-	-	2	-	-	-	1	Off Line Drive
90.	Siksha 'O' Anusandhan University	25 Feb 2025	11.40	-	-	-	-	-	-	-	-	CSE-1 VLSI-1	2	On line drive



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
91.	Ajmal Super 40	26-27 Feb 2025	5	-	-	-	-	-	-	-	Chem -2 Math-1	-	3	Off Line Drive
92.	Honda Motorcycle & Scooter(I) Pvt. Ltd.	27-28 Feb 2025	9	-	-	1	2	1	8	-	-	-	12	Off Line Drive
93.	Paharpur Cooling Towers Ltd	27-28 Feb 2025	9	-	-	-	-	-	11	-	-	-	11	Off Line Drive
94.	Bharat Electronics Ltd.(BEL)	Feb 2025	12.5	-	5	-	8	-	-	-	-	-	13	Off Line Drive
95.	IndiaMART InterMESH Ltd	Feb 2025	4	-	-	-	-	-	-	Mktg-4	-	-	4	On line drive
96.	Dalmia Cement (Bharat) Ltd	Mar 2025	10	-	-	-	-	-	1	Mktg-1	-	-	1+1=2	On line drive
97.	PENTAIR	07 Mar 2025	9.5	-	-	-	-	1	-	-	-	-	1	On line drive
98.	BPCL	21 Mar 2025	20.1	-	3	-	-	5	-	-	-	-	8	Off Line Drive
99.	FNZ Group	22 Mar 2025	15	1	1	-	1	-	-	-	-	-	3	On line drive
100.	Oil India Limited (OIL)	21-22 Mar2025	17	1	-	2	4	-	3	-	-	-	10	Pool campus at Duliajan
101.	Vedanta Ltd	20-22 Mar 25	14	2	-	6	-	11	5	-	-	-	24	On line drive
102.	Kotak Mahindra LIC Ltd	22 Mar 2025	4	-	-	-	-	-	-	Fin-1 Mktg-1	-	-	2	On line drive



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
103.	Arm Embedded Technologies	PPO	30	-	-	-	-	-	-	-	-	DSE-1	1	
104.	Cadence Design Sys (I) Pvt Ltd	PPO	17.3	-	-	-	3	-	-	-	-	-	3	
105.	Intellipaati	20 Mar 2025	9	1	-	2	1	-	2	Mktg-3 Fin-1 HR-1	-	-	6+5=11	On line drive
106.	Advanced Micro Devices (AMD)	PPO	17.13	-	-	-	1	-	-	-	-	-	1	
107.	Google IT Services (I) Pvt. Ltd.	PPO	60	-	2	1	1	-	-	-	-	-	4	
108.	Infineon Technologies India Pvt. Ltd.	PPO	15.57	-	-	-	-	-	-	-	-	CSE-2 VLSI-1	3	
109.	Goldman Sachs	PPO	30	-	-	1	-	-	-	-	-	-	1	
110.	Cyfuture Cloud	26 Mar 2025	6.1	-	-	1	-	-	-	-	-	-	1	On line drive
111.	High-Technext Engg & Telecom Pvt Ltd	25 Mar 2025	3	1	-	5	1	1	-	-	-	VLSI-1	8+1=9	On line drive
112.	Capgemini India	25 Apr 2025	10	-	-	1	2	-	-	-	-	-	3	On line drive
113.	Wipro	Apr 2025	6.5	-	2	6	3	1	-	-	-	-	12	On line drive
114.	Jindal Steel & Power Ltd	PPO	12	0	0	4	-	4	7	-	-	-	15	
115.	Engineers India Limited	Mar-Apr 2025	17	1	1	-	-	3	1	-	-	-	6	Off Line at Delhi



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
116.	ALSTOM Transport India Limited	03 Apr 2025	8.55	-	-	-	-	-	-	-	-	RE-1 MMT-1	2	On line drive
117.	BlackRock	PPO	18	-	2	-	-	-	-	-	-	-	2	
118.	Rinex Technologies Pvt Ltd.	07 Apr 2025	6	-	-	1	1	-	-	Mktg-1 HR-1	-	-	2+2=4	On line drive
119.	Myntra	PPO	30.5	-	4	-	1	-	-	-	-	-	5	
120.	Escorts Kubota Ltd	PPO	6	-	-	4	-	-	3	-	-	-	7	
121.	DMR Hydroengineering & Infrastructures Ltd	13 Apr 2025	5	3	-	-	-	-	-	-	-	-	3	On line drive
122.	Shapoorji Pallonji & Company Pvt Ltd (E & C)	16 Apr 2025	4.25	5	-	-	-	-	-	-	-	-	5	On line drive
123.	G R Infraprojects Ltd	16 Apr 2025	5.57	-	-	-	-	-	-	-	-	SE-1	1	On line drive
124.	HDFC AMC Ltd	17-18 Apr 2025	5.5	-	-	-	-	-	-	Mktg-1 Fin-2	-	-	3	On line drive
125.	Godrej & Boyce Mfg Company Ltd	21 Apr 2025	7.75	1	-	-	-	-	-	-	-	-	1	On line drive
126.	Nation with Namu	21 Apr 2025	7	-	-	-	-	1	-	-	-	-	1	On line drive
127.	APL Apollo Tubes Ltd	28-30 Apr 25	6	-	-	3	-	-	1	-	-	-	4	Off line drive
128.	Great Learning Education Services Ltd.	Apr 2025	10	-	-	-	-	-	-	-	-	DSE-1	1	On line drive
129.	Tata Electronics Pvt Ltd.	27 Apr 2025	12	-	-	1	1	1	-	-	-	-	3	On line drive



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
130.	LG Soft India Pvt Ltd.	28 Apr 2025	7.7	-	-	-	-	-	-	-	-	D&M-1 MMT-1	2	On line drive
131.	Hexaware	5 May 2025	15	-	4	-	-	-	-	-	-	-	4	On line drive
132.	DIT University, Dehradun	5 May 2025	8.4	-	-	-	-	-	-	-	-	CSE-2	2	On line drive
133.	Timken Engineering & Research India Pvt. Ltd.	13 May 2025	7.26	-	-	-	-	-	2	-	-	-	2	On line drive
134.	Samsung R&D Institute	PPO	15.5	-	3	-	1	-	-	-	-	-	4	
135.	Cubastion Consulting Pvt. Ltd.	15 May 2025	7.73	-	-	1	-	-	-	-	-	-	1	On line drive
136.	Commvault	PPO	32.28	-	1	-	-	-	-	-	-	-	1	
137.	Listenlights Pvt Ltd	15-16 May 2025	6	4	-	4	1	-	-	-	-	-	9	Off line drive
138.	Subros Ltd.	14-16 May 2025	6	4	2	2	-	-	4	-	-	-	12	Off line drive
139.	DecisionTree Analytics & Services	20 May 2025	8.5	-	-	-	-	-	1	-	-	-	1	On line drive
140.	PeopleStrong	25-26 May 25	8	-	-	1	2	-	-	-	-	-	3	Off line drive
141.	Cimpress India	PPO	12	-	4	-	-	-	-	-	-	-	4	
142.	rtCamp Solutions Pvt Ltd	PPO	10	-	1	-	-	-	-	-	-	-	1	
143.	TATA Consultancy Services	May 2025	9.09	-	-	-	-	1	-	-	-	-	1	On line drive



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
144.	Hyundai Motor India Ltd.	May 2025	8	-	-	-	-	-	1	-	-	-	1	On line drive
145.	Ultimate Kronos Group (UKD)	PPO	17.5	-	3	-	1	-	-	-	-	-	4	
146.	Innovative Retail Concepts Pvt.Ltd. (Big Basket)	PPO	12	-	1	-	-	-	-	-	-	-	1	
147.	Osfin.ai	26 May 2025	13.5											On line drive
148.	Mahindra & Mahindra	26 May 2025	8	-	-	-	1	-	2	-	-	-	3	On line drive
149.	ITD Cementation India Ltd	5-6 Jun 2025	5.95	4	-	-	-	-	-	-	-	-	4	On line drive
150.	LittleBox India	16 Jun 2025	3.6	-	-	-	1	-	-	-	-	-	1	On line drive
151.	SLB Technology Services India	PPO	10	-	-	-	-	-	3	-	-	-	3	
152.	Tata Power	Jun 2025	6.97	-	-	3	-	-	-	-	-	-	3	On line drive
153.	Ribbon Communications (ECI)	PPO	9.9	-	-	2	1	-	-	-	-	-	3	
154.	Farmitron Pvt Ltd.	20 Jun 2025	3.6	-	-	-	-	-	1	-	-	-	1	On line drive
155.	Learn FLU	3 Jul 2025	6	3	2	3	5	2	2	-	-	-	17	On line drive
156.	Flipkart	PPO	13.52	2	-	-	-	-	-	-	-	-	2	
157.	GE Vernova	PPO	13.20	-	1	-	-	-	-	-	-	-	1	
158.	NVIDIA Graphics Pvt Ltd	PPO	45.5	-	-	-	1	-	-	-	-	-	1	



Sl. No.	Name of Organization	Date of visit	CTC (in LPA)	CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	Remarks
Off Campus														
159.	Winspark Innovations Learning Pvt Ltd	Off Campus	6.5	-	-	1	-	-	-	-	-	-	1	
160.	Aakash Educational Services Ltd	Off Campus	6	-	-	-	-	-	-	-	Math-1	-	1	
161.	Infosys	Off Campus	13	-	-	1	1	-	-	-	-	-	2	
162.	Aveva	Off Campus	15.8	-	1	-	-	-	-	-	-	-	1	
163.	Telus International (Off Campus)	Off Campus	6	1	-	-	-	-	-	-	-	-	1	
164.	Oneture Technologies Pvt Ltd	Off Campus	14	-	-	-	-	-	-	--	-	AI-1	1	
165.	Aryabhata Motor Pvt Ltd	Off Campus	5	-	-	-	-	-	1	-	-	-	1	
166.	Unacademy	Off Campus	6.6	-	-	-	-	-	-	-	Chem-1	-	1	
167.	Indigi Consulting & Solutions Pvt Ltd	Off Campus	3	-	-	-	-	-	-	HR-1	-	-	1	
168.	Reliance Industries Ltd	Off Campus	7.5	3	-	-	-	-	-	-	-	-	3	
Details of Placement				CE	CSE	EE	ECE	EIE	ME	MBA	M.Sc.	M.Tech.	Total	
Total No. of students				135+3	177+6	137+9	172+3	75+2	135+5	50	64	162	831+28=859 (B.Tech.)	



Total No. of eligible students (CGPA 6.5 above & Less Foreigners)	126	164	126	157	74	120	50	61	162	767 (B.Te ch.)	
Total No. Of Job offers (till date)	81	157	128	142	78	107	38	26	48	693 (B.Te ch.)	
Total No. Of Job Placed (till date)	72	139	105	129	58	98	35	25	46	601 (B.Te ch.)	-
Avg. Job Offers (B.Tech.- 83.39%)	60.00	88.70	93.43	82.56	104.0 0	79.26	76	40.63	29.63		
Average Job Placed on eligible (B.Tech. – 78.36%)	57.14	84.76	83.33	82.17	78.38	81.67	70	40.98	28.40		
Average Job Placed on Total students less Foreigners (B.Tech. – 72.32%)	53.33	78.53	76.64	75.00	77.33	72.59	70	39.06	28.40		
Average Salary (B.Tech. –12.25 LPA)	7.31	17.14	10.25	13.18	13.19	8.94	6.08	5.47	10.43		
Median Salary (in LPA) (B.Tech. – 10 LPA)	6.57	15.08	8.00	11.96	13.65	8.87	6.00	5.47	7.65		
Highest Salary (in LPA)- 60.00 LPA	17.7	60.00	60.00	60.00	27.00	17.7	10.00	6.6	30.00		
Lowest Salary (in LPA)- 3 LPA	4.25	5.00	3.00	3.00	6.00	3.60	3.00	5.00	3.00		

Total No. of students - Bold & Italic indicates foreign students.

1. Name of the Department:

Civil Engineering



The Department at a glance	
Year of Establishment: 1977	
Academic Programmes Offered:	
• Bachelor of Technology (B.Tech) • Master of Technology (M.Tech) • Doctor of Philosophy (Ph.D.)	
Total Faculty Strength: 42	
• Professor: 9 • Associate Professor: 10 • Assistant Professor: 23	
Total Student Strength: 918	
• B.Tech: 548 • M.Tech: 218 • Ph.D.: 152	
New Students Joined in 2024-2025: 229	
• B.Tech: 157 • M.Tech: 61 • Ph.D.: 34	

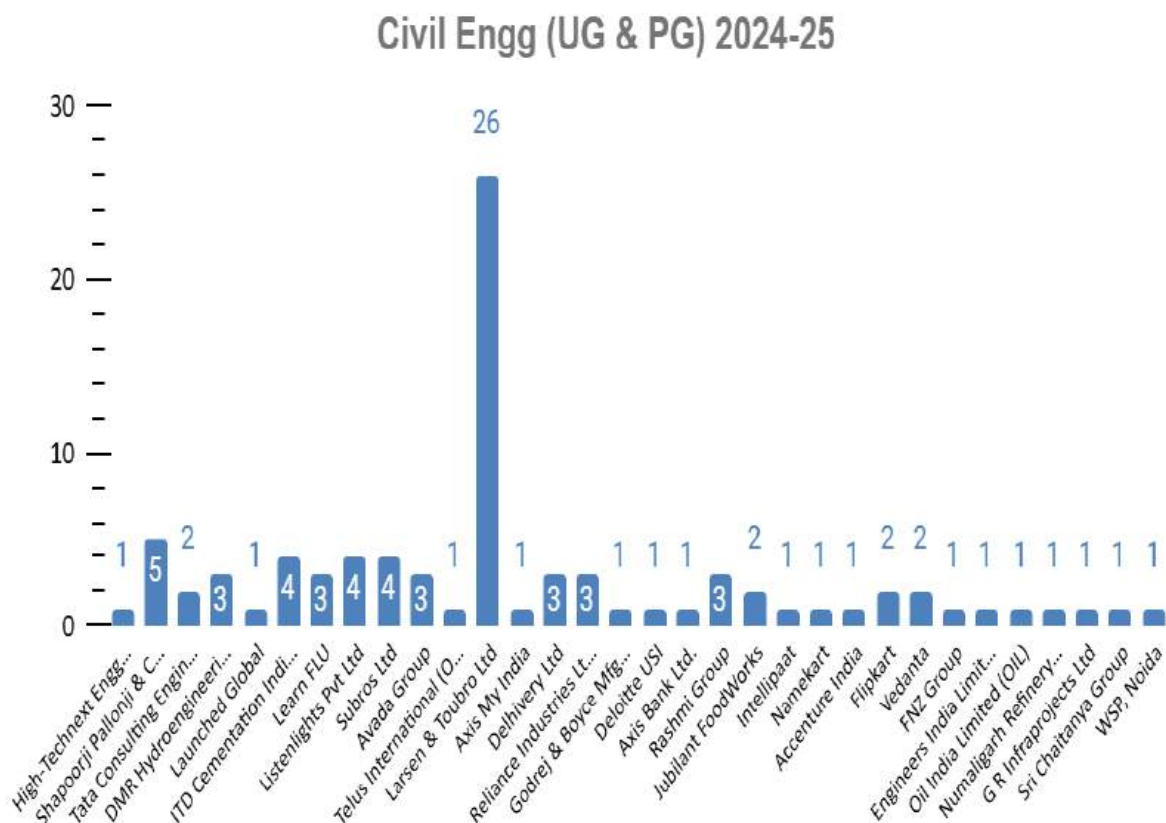


Fig: Placement statistics of students in the Civil Engineering Department (UG and PG) during 2024-2025

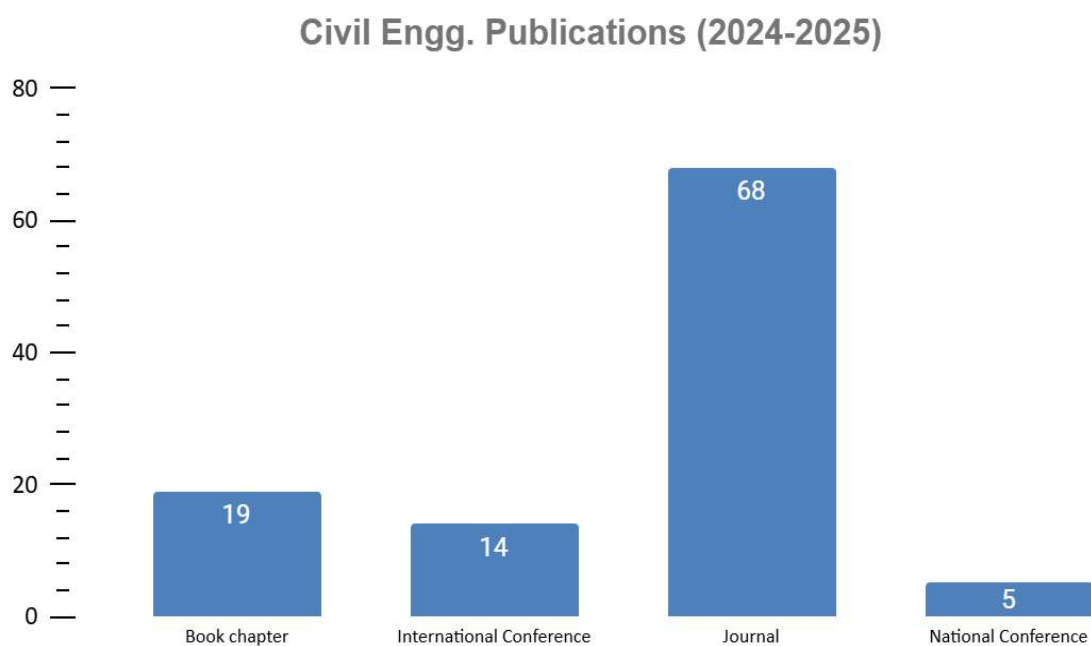


Fig: Publication details of Civil Engineering Department during 2024-2025



1.1 Academic Staff:

HEAD of the Department: Prof. Mokaddes Ali Ahmed, Professor

Name of Faculty members:

Professor	Associate Professor	Assistant Professor
Prof. Dilip Kumar Baidya	Dr. Tauhidur Rahman	Dr. Nirmali Borthakur
Prof. Ashim Kanti Dey	Dr. Arjun Sil	Dr. Pallab Das
Prof. Parthasarathi Choudhury	Dr. Nirmalendu Debnath	Dr. Parbin Sultana
Prof. Aminul Islam Laskar	Dr. Dillip Kumar Ghose	Dr. Nitesh Ahir
Prof. Dibakar Chakraborty	Dr. Debjit Bhowmik	Dr. Bijan Kumar Roy
Prof. Mokaddes Ali Ahmed	Dr. Monowar Hussain	Dr. Prashanth Janardhan
Prof. A.K. Barbhuiya	Dr. Lakshmi Vara Prasad. M	Dr. Subhrajit Dutta
Prof. Upendra Kumar	Dr. Briti Sundar Sil	Dr. Amit Kumar Das
Prof. Parthajit Roy	Dr. Khwairakpam Lakshman Singh	Dr. Ambika Kuity
	Dr. Susmita Ghosh	Dr. Olympa Baro
		Dr. Suprava Jena
		Dr. Atanu Sahu
		Dr. Kulkarni Vihangraj Vijaykumar
		Dr. Jyotirmoy Haloi
		Dr. Jayshree Hazarika
		Dr. Dinesh Panneerselvam
		Dr. Subhadip Biswas
		Dr. M. Selvam
		Dr. Subhadeep Biswas
		Dr. Rajarshi Pramanik
		Dr. Subhajit Das
		Dr. Dipanjan Mukerjee
		Dr. Bhupali Dutta



1.2 Distinction Achieved

a) By Student:

- **Longjam Bikram Singh (2321502)** and **Mahin Mehboob Mazumder (2321202)** PG Students got their PhD admission in IIT Kanpur and IIT Ropar, respectively.
- **Pranjal Chakraborty (2111084)** UG student received Sponsored M.Tech at IIT Madras from L&T Build India Scholarship.
- **Md Athar Kazmi (20-3-01-117)** PhD Scholar selected as SRF Direct/Research Associate CSRI-CERI, Karaikodu, Tamilnadu, India.

b) By Faculty Member:

- **Dr. L.V. Prasad M**- Best Paper award for the paper “Mechanical and Durability Properties of Concretes Produced by Two-Step CO₂ Mineralization” in AIMACE 2025, Dubai, UAE.

1.3 SEMINARS, SYMPOSIA, SHORT TERM COURSES, WORKSHOPS

a) Conducted by Faculty Member

Sl. No.	Name(s) of the Coordinator	Title	Funding Agency	Duration
1	Dr. Parbin Sultana, Dr. Nirmali Borthakur	Sustainability and Geotechnical Engineering: Perspectives and Assessment	IGS Silchar Chapter	1 day
2	Dr. L.V. Prasad M, Dr. Atanu Saha	Two-Day Training Program for Engineers on "Earthquake-Resistant Structures & Retrofitting Techniques	ASSAM STATE DISASTER MANAGEMENT AUTHORITY (ASDMA), GOVERNMENT OF ASSAM	2 days

b) Participated by Faculty Member

Sl. No.	Name of Faculty	Details of the Program	Organizing Institute
1	Dr. L.V. Prasad M.	Two day pedagogy workshop on Design and Entrepreneurship, held from 05-09-2025 to 06-09-2025 at NIT Silchar	NIT Silchar & IIITDM Kancheepuram
2	Dr. Dinesh P.	Two day Pre-Conference Workshop on Energy Systems and Modelling held from 4 th - 5 th March 2025 Organised by, Mechanical Engineering Department and Center for Clean Energy and Circular Economy, NIT Calicut in association with, ASME Student Section NITC	NIT Calicut
3	Dr. L.V. Prasad M	Short Term Programme on Classroom Management and Teaching Learning & Evaluation in Higher Education (Equivalent to one week faculty development program)	UGC-MMTTC, ASSAM UNIVERSITY SILCHAR



1.4 Research Development

a) Ph.D. Programme (Specializations):

- Geotechnical Engineering (GE)
- Water Resources Engineering (WRE)
- Structural Engineering (SE)
- Structural Dynamics and Earthquake Engineering (SDEE)
- Transportation Engineering (TE)
- Environmental Engineering (ENVE)

b) Ph.D. Produced/ Ongoing (in number):

Completed	Submitted	Ongoing
22	17	51

c) Lab / Workshop:

Sl. No.	Name of Lab/Workshop	Purpose/Linkage to an existing/new programme
1	Structural Engineering Laboratory	To conduct UG and PG lab (Structural Engineering, Structural Dynamics and Earthquake Engineering) and to serve the PhD research, R&D and Consultancy.
2.	Water Resources Engineering (WRE) Laboratory	To conduct Hydraulics and Hydrology Experiments at UG and PG Levels and to serve the PhD research, R&D and Consultancy.
3	Concrete Laboratory	To conduct UG and PG lab (Material Testing & Concrete Mix Design) and to serve the PhD research, R&D and Consultancy
4	Environmental Engineering Laboratory	To conducting UG practical, PG research and consultancy services
5	Transportation Engineering	To conduct UG and PG lab (Material Testing & Mix Design) and to serve the PhD research and Consultancy
6	Earthquake Engineering Lab	Seismic Motion Recorder
7	Survey Lab	To conduct field surveying for UG students
8	Geology Lab	To teach UG students the fundamentals of geology related to crystallography and mineralogy
9	Geotechnical Engineering Lab	To teach and conduct geotechnical engineering testings for UG and PG students
10	NABL Lab	NABL accredited Lab to conduct various experiments for consultancy and research work



d) Ongoing/Completed Sponsored Research Project:

Sl. No.	Project Title	Principal Investigator(s)	Funding Agency	Cost in lakhs	Duration
1	Fund for Improvement of SandT Infrastructure (FIST): To Strengthen the Research Facilities in the Department	Dr. Ashim Kanti Dey Dr. Amit Kumar Das Dr. Atanu Sahu Dr.Subhrajit Dutta Dr. MLV Prasad	DST, Govt of India	168.00 Lakhs	5 years
2	Development of a Vibration Isolation System using Boreholes Filled with Geosynthetic Encased Sand Rubber Mixture	Dr. Debjit Bhowmik	SERB-DST	41.3 Lakhs	3 years
3	Development of spatial map of available water resources with water quality index for the Barak River basin for drinking purposes along with the development of an indigenous household filtration system	Dr B S Sil (PI) and Dr Kulkarni Vihangraj Vijaykumar	SERB-DST	38 Lakhs	3 years
4.	Sustainable development of groundwater resources by the preparation of hydrogeological and hydro geophysical database of Barak River basin, Cachar, Assam	Dr. Susmita Ghosh (PI), Dr. Amit Kumar Das Dr. Sudha Agrahari	SERB-DST	48.42 Lakhs	3 years
5.	Development of Sustainable and Flood Resilient Low-Cost Amphibious Housing System for the Vulnerable Communities in Assam	Dr. Jyotirmoy Haloi	SERB-DST	30.61 Lakhs	2 years
6.	Establishment of Science Technology and Innovation Hub in NIT Silchar, Cachar, Assam, for the socio-economic upliftment of SC/ST population in Assam	Dr. Olympa Baro (Co-PI)	DST-SEED	144 Lakhs	3 years
7.	Design and development of solar photovoltaic powered cane slicing machine	Dr.Suprava Jena	DST-SEED	24.1 lakhs	3 years
8.	Reducing riders' discomfort due to speed bumps without compromising their speed reduction abilities	Dr.Suprava Jena	SERB-POWER	11 Lakhs	2 years
9.	On performance of structural damage detection based on: mathematical and machine-learning models in harmony, and domain adaptation with scaled physical model using limited sensors	Dr. N. Debnath	SERB-CRG	25.51 Lakhs	3 years
10	Development of Geopolymer Aggregates (PELLETS) as a Replacement of Aggregate for Construction Industry	Dr.L.V.Prasad M	MSME Govt. of India	12.39 Lakhs	1 year



e) Research Paper Reviewed

Sl. No	Faculty Name	Journal Name	No. of Paper	Year
1	Dr. Subhadeep Biswas	Chemical Papers	2	2024
		Water Science	1	2025
2	Dr. Parbin Sultana	Indian Geotechnical Journal	2	2024
		Indian Geotechnical Journal	1	2025
3	Dr.L.V.Prasad M	Construction and Building Materials	2	2024
		Construction and Building Materials	1	2025
		International Journal of Civil Engineering	1	2024
		Innovative Infrastructure Solutions	1	2025
		Scientific Reports	2	2025
		Multiscale and Multidisciplinary Modeling, Experiments and Design	2	2025
4	Dr. Bhupali Dutta	Transportation in Developing Economies	1	2024
		Advanced Transportation Studies	1	2025

f) Chairing of the Technical Session

Sl. No.	Faculty Name	Details
1	Dr. L.V.Prasad M	International Conference on Smart Materials and Sustainable Solutions for Climate Resilience August 2-4, 2025, NIT Meghalaya, Eco-friendly Building Materials, Venue: Meeting room C, Session Chair: Dr. Lakshmi Vara Prasad. M, NIT Silchar

1.5 PUBLICATION

a) Journal(s):

1. Biswas, S., Nayak, A. K., & Pal, A. (2025). Surfactant-influenced biosorption as a sustainable and effective way for the eradication of environmental pollutants: a review. RSC Sustainability.
2. Nath, A., Biswas, S., Pal, D., & Pal, A. (2025). Heterogeneous Fenton-type degradation of methylene blue dye in controlled pH condition catalyzed by copper (II) loaded waste chicken eggshell powder: a sustainable approach of utilization of naturally available biowaste materials. Clean Technologies and Environmental Policy, 27(9), 4149-4169.
3. Pal, D., Biswas, S., & Pal, A. (2025). Molybdenum (VI)/(V)-mediated Fenton-like Degradation of Sulfamethoxazole Using Ammonium Phosphomolybdate. Environmental Processes, 12(3), 51.
4. Chatterjee, S., Sultana, P., S, J., & Ralli, R. (2024). Estimation of Compression Index of Cohesive-Frictional Soil in Southwest Delhi District Using Statistical Correlations. Journal of the Geological Society of India, 100(6), 841-851.
5. Sultana, P., Dey, A. K., & Chatterjee, S. (2025). Application of Bayesian Inference and Observational Method for Uncertainty Reduction in the Bearing Pressure–Settlement Relationship of Spread Footings on Clay. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 11(3), 04025034.
6. Mahakur, V., Mahakur, V. K., Samantaray, S., & Ghose, D. K. (2025). Prediction of runoff at ungauged areas employing interpolation techniques and deep learning algorithm. HydroResearch, 8, 265-275.



7. Ghose, D. K., & Sridharam, S. (2025). Identifying hidden groundwater reserves: GIS advances and multi-criteria decision analysis for enhanced potential assessment. *Advances in Space Research*, 75(1), 432-450.
8. Nilanjan Tarafder, Lakshmi Vara Prasad Meesaraganda, "Seismic response of bridge pier-pile cap joints using Eco-SCC and Eco-BFRSCC: an experimental study", *Journal of Building Pathology and Rehabilitation*, Volume 10, Issue 1, 0/1-14, March, 2025, <https://doi.org/10.1007/s41024-024-00508-1>
9. Anwesha Pal, M Prasad, Atanu Sahu, "Non-Linear Strain Based FE Model for Dynamic Response Analysis of Functionally Graded Panels in Hygro-Thermal Environment", *Journal of Vibration Engineering & Technologies*, Volume 13, Issue 189, 0/1-31, February, 2025, <https://doi.org/10.1007/s42417-024-01654-z>, Indexed in SCIE, Impact Factor: 2.1,
10. Endow Ayar Mazumder, L.V. Prasad M, "Mechanical Strength Estimation of Self-Compacting Geopolymer Concrete using ReLU based Deep Neural Network", *Advances in Materials and Processing Technologies*, Volume 10, Issue 03, 01/2168-2185, July, 2024, DOI: 10.1080/2374068X.2023.2206701, Indexed in SCIE, Impact Factor: 2.1
11. Lakshmi Vara Prasad Meesaraganda, Md Athar Kazmi, "Performance Enhancement of Concrete Produced with two-step CO₂ Mineralization", *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, Volume 49, 02/1259–1271, May, 2024, <https://doi.org/10.1007/s40996-024-01492-9>, Indexed in SCIE, Impact Factor: 1.7,
12. B Dutta, P Mahakavi, R Gogoi, R Chithra, S Surya. (2024). Experimental Investigation to Study the Structural Viability of Recycled Aggregates Found in India. *From Waste to Wealth*, 1089-1102.
13. Kundu, S. K., & Dey, A. K. (2024). Determining the influence of soil layers on apparent soil resistivity through small-scale laboratory experiments. *International Journal of Geotechnical Engineering*, 18(5), 445-457.
14. Kundu, S. K., Saha, A., & Dey, A. K. (2024). Electrical resistivity tomography to check compaction control of road embankment made of partially saturated soil. *Innovative Infrastructure Solutions*, 9(7), 283.
15. Kundu, S. K., Dey, A. K., Sapkota, S. C., Debnath, P., Saha, P., Ray, A., & Khandelwal, M. (2024). Advanced predictive modelling of electrical resistivity for geotechnical and geo-environmental applications using machine learning techniques. *Journal of Applied Geophysics*, 231, 105557.
16. Kundu, S. K., Debnath, R., & Dey, A. K. (2025). Enhancing understanding of soil electrical behavior: multi-variable analysis and correlation modeling. *Acta Geophysica*, 73(3), 2635-2656.
17. Senapati, S., Dey, A. K., & Dutta, S. (2025). Reliability Analysis for Consolidation Settlement of a Shallow Footing Based on Copula Model. *International Journal of Civil Engineering*, 1-16.
18. Islam, R., Laskar, A. I., & Sil, A. (2025). Finding Optimal Configuration of Hill Slope RCC Buildings for Seismic Resilience Enhancement and Risk Mitigation. *Journal of Structural Design and Construction Practice*, 30(4), 04025069.
19. Sar, U., & Laskar, A. I. (2025). Comparative Study of Different Bonding Agents for Substrate–Overlay Concrete. *Journal of Structural Design and Construction Practice*, 30(1), 04024090.
20. Hasain, N. M., & Ahmed, M. A. (2024). Assessing the impact of reaction time on the crossing and merging conflicts and identifying suitable reaction time to detect the critical conflict. *Transportation Planning and Technology*, 47(7), 1156-1178.
21. Hasain, N. M., & Ahmed, M. A. (2024). Identification of critical conflicts and its implementation in microsimulation for effective safety assessment in unsignalised intersections. *Transportmetrica B: Transport Dynamics*, 12(1), 2350520.
22. Das, P., & Ahmed, M. A. (2025). Factors influencing the car-sharing system through structural equation model in Guwahati city, Assam. *Transportation Planning and Technology*, 48(2), 342-365.
23. Khan, H. R., Ahmed, M. A., & Dutta, M. (2025). Developing a methodology to assess pedestrian walkability in the city markets using multi-attribute decision-making techniques. *Transportation Research Record*, 2679(1), 1814-1831.
24. Mukunda Madhab Borah, Abhijeet Dey and Arjun Sil (2024). "Global warming and its implications for seismic fragility and risk assessment of RC bridges affected by chloride ingress and aging". *ASCE's Practice Periodical on Structural Design and Construction* (<https://doi.org/10.1061/JSDCCC.SCENG-1659>).



25. Sudipta Debroy and Arjun Sil (2024). "CNN based multi-output regression model to estimate infrastructural surface crack dimensions adopting a generalized patch size and FWHM-based width quantification." Digital Twins and Applications, Wiley Publication, (<https://ietresearch.onlinelibrary.wiley.com/doi/epdf/10.1049/dgt2.12023>).
26. Rashidul Islam; Aminul Islam Laskar and Arjun Sil (2024). "Finding optimal configuration of Hill Slope RCC buildings for Seismic Resilience Enhancement and Risk Mitigation." ASCE's Journal of Structural Design and Construction Practice. (<https://ascelibrary.org/doi/pdf/10.1061/JSDCCC.SCENG-1776>).
27. Satyaprakash Mishra, Arjun Sil and Amit Kumar Das (2024). "Evaluation of seismic hazard for Cuttack District, Odisha using regional attenuation models." Disaster advances, Vol. 17(10); 8-17. (<https://doi.org/10.25303/1710da08017>).
28. Satyaprakash Mishra, Arjun Sil and Amit Kumar Das (2024). "Soil Liquefaction Potential Assessment of Ports in Odisha, India." Natural Hazards Research, Elsevier Publication (<https://doi.org/10.1016/j.nhres.2024.11.001>).
29. Biswas, S., & Sil, A. (2024). Tsunami Vulnerability Assessment Using GIS and AHP Technique for Southern Coastal Region of India. Natural Hazards Review, 25(3), 04024019.
30. Satyaprakash Mishra and Arjun Sil (2024). "A Holistic Study on Seismic Hazards in Bhubaneswar City, India, Integrating Probabilistic and Deterministic Methodologies". Indian Geotechnical Journal, Springer Publication (<https://doi.org/10.1007/s40098-024-01031-3>).
31. Ahmed, S. S., Ghosh, S., & Barbhuiya, A. K. (2024). Characteristics of thalweg profile and cross-sectional geometry along alluvial river bends. ISH Journal of Hydraulic Engineering, 30(5), 547-558.
32. Annayat, W., Raja, W., Barbhuiya, A. K., & Samantray, S. (2025). Analysis of flow past a submerged vane using computational fluid dynamics. International Journal of Energy and Water Resources, 9(2), 839-852.
33. Nath, S., Debnath, N., & Choudhury, S. (2024). Structural Performance of Slotted Reinforced Concrete Bridge Pier. Practice Periodical on Structural Design and Construction, 29(2), 04024009.
34. Bhowmik, K., & Debnath, N. (2024). Semi-active vibration control of soft-storey building with magnetorheological damper under seismic excitation. Journal of Vibration Engineering & Technologies, 12(4), 6943-6961.
35. Singh, A., Dutta, S., & Debnath, N. (2024). A case study on the seismic evaluation of a low-rise existing RC building in Northeast India. Practice Periodical on Structural Design and Construction, 29(3), 05024004.
36. Nandi, B., Bhowmik, D., & Hussain, M. (2024). An Experimental and Numerical Investigation of Strip Footing Behavior on Geogrid-Reinforced Embankment Resting on Soft Soil. Journal of Testing and Evaluation, 52(4), 1886-1909.
37. Khanday, S. A., Hussain, M., Das, A. K., & Khanday, W. A. (2024). Utilization of Alkali-Activated Rice Husk Ash for Sustainable Peat Stabilization. Advances in Civil Engineering Materials, 13(1), 76-94.
38. Das, T., Sil, B. S., & Ashwini, K. (2024). Riverbank Erosion and Vulnerability Assessment for the Alluvial Section of Barak River in North-East India by In-situ Approach. KSCE Journal of Civil Engineering, 28(10), 4356-4367.
39. Deshmukh, D. S., & Singh, K. L. (2024). Effects of Fine Particles on Shear Behaviour of Subbase Mix. International Journal of Geosynthetics and Ground Engineering, 10(3), 51.
40. Deshmukh, D. S., & Singh, K. L. (2024). Investigation of Permanent Deformation Behaviour of Subbase Layer Mixed with Non-Plastic Stone Dust of the Pavement. International Journal of Geosynthetics and Ground Engineering, 10(4), 65.
41. Saharia, M., & Singh, K. L. (2024, April). Use of domestic waste polyethylene as a bitumen modifier in bituminous pavement applications. In Materials Science Forum (Vol. 1116, pp. 125-130). Trans Tech Publications Ltd.
42. Ahmed, S. S., Ghosh, S., & Barbhuiya, A. K. (2024). Flow resistance co-efficient of meandering river in alluvial plain and its prediction using artificial neural network. International Journal for Numerical Methods in Fluids, 96(3), 364-379.
43. Nath, A., & Ghosh, S. (2024). Geo-spatial analyses of meandering rivers, assessing past and future impacts on bank landforms and LULC changes. Water Policy, 26(12), 1234-1260.



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47. Sanjay Baidya and Bijan Kumar Roy, “Seismic reliability analysis of base isolated building supplemented with shape memory alloy rubber bearing using support vector regression metamodel”, *Structures*, Volume 65, July, 2024, <https://doi.org/10.1016/j.istruc.2024.106773>
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66. Jyotirmoy Haloi, Arun Chandra Borsaikia, Konjengbam Darunkumar Singh, "New design equations for predicting web crippling capacity of pultruded GFRP profile", *Structures*, Volume 64, 106481, June, 2024, <https://doi.org/10.1016/j.istruc.2024.106481>
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b) International Conference(s):

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2. Mishra, B. P., Satapathy, D. P., & Ghose, D. K. (2024). Susceptibility Mapping: A Case Study. *Water and Environment*, Volume 1: Proceedings of ICWROEE 2024, 413, 295.
3. Lakshmi Vara Prasad Meesaraganda and Md Athar kazmi, "Effect of CO₂ mineralization on the performance and sustainability of concrete", In *Proceedings 10th International Conference on Concrete under Severe Conditions (CONSEC) – Environment*, September 25th 2024 - September 27th 2024, 2024, IITM Research Park, IIT Madras, Chennai, Springer, Indexed in Scopus
4. Lalit Swami, Nitender Yadav, Mokaddes Ali Ahmed, "Sustainable urban mobility: Analysing service quality gaps between app-based and traditional IPT in Gurugram", In *Proceedings UMI India*, 2024
5. Bimla Notia, Ambika kuiti, Mokaddes Ali Ahmed, "Review Article on the Effect of Wireless Charging System for EVs on Pavement", In *Proceedings 14th TPMDC*, 2024, IIT Bombay
6. Rohit Das, Doli Das, Zigashri Borpatra, Sweta Hazarika, Mokaddes Ali Ahmed, N Mohamed Hasain,, "Capacity and Level of Service Estimation of a Roundabout: A Case Study in Silchar", In *Proceedings 14th TPMDC*, 2024, IIT Bombay
7. Dutta J., Prasad R. K, and Barbhuiya A. K., "Embankment as a Disaster Reduction Measures: A Case Study of Hailaandi District of Barak Valley, Assam, March 2024.", In *Proceedings International Conference on Natural Disaster: Risk Analysis, Management and Mitigation*, March 22nd 2024, 2024, NIT Silchar
8. Ahmad, M.S., Barbhuiya, A.K., Mukherjee, K., Roy, B.K., "A Review on the Three-Directional Measurement of Water Quality Parameters of a River", In *Proceedings International Conference On Water Resources, Ocean And Environmental Engineering*, March 17th 2024, 2024, NIT Silchar, Springer, Singapore, 233–249, https://doi.org/10.1007/978-981-97-7699-3_22



9. Bala Raju, S., Dutta, S. and Borthakur, N. (2024) "An Experimental Study on Enhancement of Bearing Capacity of Soft Soil using Stone Column with Composite Material of Jute-Geotextile and Cane-Geogrid." Proceedings of the GeoMandu 2024: the second of the biennial international conference series of Nepal Geotechnical Society, Kathmandu, Nepal.
10. Rajak, S. and Borthakur, N. (2024) "Behaviour of Shallow Footing Rested on Fly Ash-Lime-Clay Stabilized Layer over Deep Seated Cohesive Soil Bed." Proceedings of the GeoMandu 2024: the second of the biennial international conference series of Nepal Geotechnical Society, Kathmandu, Nepal.
11. Datta A., Ahir N., "Base Isolation of RC Buildings using PB - FREIs", In Proceedings 8th International conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics (8ICRAGEE), December 11th 2024 - December 14th 2024, 2024, IIT Guwahati, https://doi.org/10.1007/978-981-96-2096-8_2
12. Deb, M., Kamalnath, M., Majumder S. A., and Jena, S., "Modelling overtaking manoeuvre of motorized two wheelers on urban undivided roads", In Proceedings IOP Conference Series: Earth and Environmental Science, 2024, MNIT Jaipur, IOP, DOI: 10.1088/1755-1315/1326/1/012106., Indexed in Scopus
13. Lyngdoh, G.K., Suklabaidya, R., Deb, M. and S. Jena, S., "Modelling Traffic Conflicts of Motorised Two-Wheelers at Unsignalized Intersections in India", In Proceedings 1st International Conference on Logistics, Supply Chain and Transportation, 2024, NIT Calicut, India.
14. Deb, M., Jena, S and Biswas, S., "Evolution of freight studies in India: A systematic literature review", In Proceedings 1st International Conference on Logistics, Supply Chain and Transportation, 2024, NIT Calicut, India.
15. Tilling, T., Dinesh, P., Muthu, N., "An EFG based numerical and experimental studies of mechanical properties of reservoir rock and caprock specimens under brine saturation", In International Conference on Environmental Challenges, Opportunities and Sustainable Solutions, (Environment, 2024) at IIT Guwahati.
16. Tilling, T., Dinesh, P., "CO₂ injection-induced caprock deformation using higher order circular plate theory model and FEHM model: A Comparison", In 2nd Global Conference on Decarbonizing India, held from 6th to 8th March 2025, at National Institute of Technology Calicut, India.

c) National Conference(s):

1. Parikshit Dubey, Gautam, Ankita Mazumdar, Debjit Bhowmik, "Dynamic Behaviour Analysis of Barak River Sand Using Resonant Column Apparatus", In Neelima Satyam, A. P. Singh and Manish S. Dixit, Proceedings of 9IYGEC 2023, Volume 2, Lecture Notes in Civil Engineering, 2025, Springer, https://doi.org/10.1007/978-981-97-6988-9_8
2. Kumar, N. and Borthakur, N. (2024) "A Study on Lateral Dynamic Load Behaviour of Pile Group using Block Vibration Apparatus." Proceedings of the Indian Geotechnical Conference, Aurangabad, India.
3. Rajak, S. and Borthakur, N. (2024) "Load-Settlement Study of Shallow Foundation on Clay + Fly-ash + Lime Stabilized Layer underlain by Clayey Soil" Proceedings of the Indian Geotechnical Conference, Aurangabad, India.
4. Sonowal, G., Mukherjee, A. and Borthakur, N. (2024) "A study on enhancement of capacity of an existing shallow foundation rested on soft clayey soil using perimeter micropile group." Proceedings of the DFI-India 2024:13th Annual Conference on Deep Foundation Technologies for Infrastructure Development in India, Goa, India.
5. Bhaskar, D., Mukherjee, A. and Borthakur, N. (2024). "Experimental Study on Micro-Piled Raft Foundation Rested on Stone Column Improved Soft Soil." Proceedings of the DFI-India 2024:13th Annual Conference on Deep Foundation Technologies for Infrastructure Development in India, Goa, India.



d) Book/Chapter:

1. 2D Metals as Photocatalyst by Subhadeep Biswas, Anjali Pal (Chapter 9 in 2D Metals: Fundamentals, Emerging Applications and Challenges), Eds. R. Gupta, Taylor and Francis (2024)
2. Lakshmi Vara Prasad Meesaraganda and Md. Athar Kazmi, "Properties of Concrete Produced Using Waste Polypropylene Fiber", In R. K. Pancharathi et al. (eds.), Low Carbon Materials and Technologies for a Sustainable and Resilient Infrastructure, Lecture Notes in Civil Engineering, February, 2024, Springer, Indexed in Scopus
3. Das P.; Bokadia A.; Ahmed M.A., "Evaluating the Parking Characteristics and Parking Demand of On-Street Parking in Silchar City", Proceedings of TPMDC, 2024, Springer, 10.1007/978-981-99-6090-3_68
4. Swami L.; Ahmed M.A.; Jena S., "Quality Assessment of App-Based Bike Taxi Services by Benchmarking and Numerical Rating Approach: Guwahati", Proceedings of TPMDC, 2024, 735-745, Springer, 10.1007/978-981-99-6090-3_58
6. Bokadia A.; Ahmed M.A.; Das P., "Model for Estimating On-Street Night Parking Demand: A Case Study at Roorkee", Proceedings of TPMDC, 2024, 797-807, Springer, 10.1007/978-981-99-6090-3_63
7. Bokadia A.; Ahmed M.A., "On-Street Night Car Parking Demand Estimation in Residential Areas: A Case Study at Delhi", Recent Advances in Traffic Engineering, 2024, 267-278, Springer, 10.1007/978-981-99-4464-4_17
8. Khan H.R.; Ahmed M.A.; Dutta M., "Ranking-Based Methodology for Prioritization of Critical Pedestrian Infrastructure in and Around the Market Area: A Case Study of Aminabad Market, Lucknow", Proceedings of TPMDC, 2024, 609-622, Springer, 10.1007/978-981-99-6090-3_48
9. Bimala Noatia and Kh. Lakshman Singh, "Experimental Investigation on the Performance of Bituminous Mixture Containing Brick and Iron Dust as Fillers", IOP Conf. Series: Earth and Environmental Science, 2024, IOP Publishing, 10.1088/1755-1315/1326/1/012050
10. Jaba Debnath and Kh. Lakshman Singh, "Performance of Bituminous Concrete Mixes using Waste Eggshell as a Bitumen Modifier", IOP Conf. Series: Earth and Environmental Science, 2024, IOP Publishing, 10.1088/1755-1315/1326/1/012052
11. Mitali Saharia, Kh. Lakshman Singh, "Utilization of Domestic and Automobile Waste Materials in the Application of Bituminous Concrete Mixes", In K.V.R. Ravi Shankar, C.S.R.K. Prasad, C. Mallikarjuna, S.N. Suresha, Recent Advances in Transportation Systems engineering and Management, October, 2024, 159-170, Springer Singapore, https://doi.org/10.1007/978-981-97-6071-8_10
12. Sunny, V. and Borthakur, N. (2024). "A study on recycled plastic pins as micropile in stabilization of cohesive slope", Proceedings of the Indian Geotechnical Conference 2022 Volume 4, Lecture Notes in Civil Engineering 479, https://doi.org/10.1007/978-981-97-1753-8_7
13. Vardhan, K.S.J. and Borthakur, N. (2024). "Prediction of bearing capacity of a footing resting on geosynthetic-reinforced soil wall using Artificial Neural Network". Proceedings of the Indian Geotechnical Conference 2022 Volume 7, Lecture Notes in Civil Engineering 491, https://doi.org/10.1007/978-981-97-2700-1_17
14. Olympa Baro, S Ahmed, M Dasari, A Thakuria and S. K. Das, "Assessment of seismic site class and characteristic site period for multiple bridge locations along the Madhura River in Silchar.", 8th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, 2024, Springer, Singapore
15. Kumar, S., Pal, A., Roy, A., Sahu, A., "Parametric Studies on Vibration Response of FG Shell Panels", In Sudarshan, T.S., Sharma, A.K., Misra, R., Patowari, P.K., Recent Advancements in Mechanical Engineering, 2024, Springer, Singapore
16. Bhavyashree, N., Singh, A.K., Kumar, S., Pal, A., Chandra, S., Roy, A., & Sahu, A., "Vibration control of composite shell panels by spring-mass resonators in thermal environment.", In Sudarshan, T.S., Sharma, A.K., Misra, R., Patowari, P.K., Recent advancements in mechanical engineering, 2024, Springer Nature Singapore
17. Pal, A., Singh, A.K., & Sahu, A., "Hygrothermal effect on dynamic response of functionally graded plates", In Goel, M.D., Biswas, R., Dhanvijay, S., Recent Developments in Structural Engineering, 2024, Springer Nature Singapore
18. Singh, A.K., Pal, A., & Sahu, A., "Free vibration analysis of functionally graded shell panels in a hygrothermal environment", In Goel, M.D., Vyavahare, A.Y., Khatri, A.P., Developments in Structural Engineering, 2024, Springer Nature Singapore
19. Aminul Islam Choudhury and Jayshree Hazarika, "Climate Change Impact Study of Cherrapunji using CMIP6 Models", In Proceedings 29th International Conference on Hydraulics, Water Resources, Environmental and Coastal Engineering (HYDRO 2024), December 18th 2024, 2024, CWPRS Pune, India, The Indian Society for Hydraulics (ISH), Pune, Indexed in Others



20. Mukherjee, S., R. Pramanik, and G. L. Sivakumar Babu, “Kriging-based approach for reliability analysis of reinforced anchors for transmission tower foundations”, InB. T. Jose, D. K. Sahoo, S. K. Vanapalli, C. H. Solanki, K. Balan, and A. G. Pillai, Proceedings of the Indian Geotechnical Conference 2022 Volume 9, September, 2024, Springer Nature Singapore, 10.1007/978-981-97-6168-5_27, Indexed in Scopus.

1.6 CONSULTANCY SERVICES:

Sl. No.	Faculty Name	Month of Work	Client	Amount	Work Details
1	Dr. P. Das	April	Integra Ventures	118000	Vetting Drawings
2	Dr.D.K. Ghose	April	Rail Vikas Nigam	132500	Proof Checking of Bridge
3	Dr. P. Das and Dr. D. K. Ghose	May	Prasanta Kumar Deb	295000	Proof Check (G+4)
4	Dr. D. K. Ghose Co. P.I. Dr. A. Sil	May	RVNL	535300	Proof Check
5	Dr. M.L.V Prasad, Prof. A. K. Dey, Dr. D. K. Ghose, Dr. A. Shil	May	Lions Silchar	156940	NDT Test
6	Prof. A. K. Dey	June	GOBITO CONSTRUCTION INDIA PRIVATE LIMITED	236000	Checking of Design of Shimla bypass package 2
7	Dr. P. Das	July	Integra Ventures	106200	Vetting of drawings
8	PC- Dr. D. K. Ghose and Co. PC- Dr. A. Sil	July	Architecture & Engineering consultancy services	159300	Proof Check
9	Dr. P. Das	August	AIRPORTS AUTHORITY OF INDIA	141600	Structural Audit
10	Dr. D. K. Ghose and Prof. A. K. Dey	August	SAHARUL AMIN BARBHUIYA	354000	Survey of Ground Water
11	Dr. D. K. Ghose	August	S.M. Consultants	236000	Proof Checking
12	Dr. P. Das	September	L. T. ELEVATOR PVT. LTD.	118000	Design Checking



13	Dr. P. Das	October	POWER GRID CORPORATION OF INDIA LTD.	363080	Core Cutter and NDT
14	Dr. P. Das	October	ALLIED CONSTRUCTION	205200	Mix Design
15	Prof. A. K. Dey	November	Department of Post	205000	Structural Drawing
16	Prof. A. K. Dey	November	SADGURU ENGINEERS	236000	Proof Checking
17	Prof. A. K. Dey	November	CPWD, Karimganj	141600	Soil Test
18	Dr. D. K. Ghose	November	RAIL VIKAS NIGAM LIMITED	100700	Proof Checking
19	Dr. T. Rahman	November	GARRISON ENGINEER	145730	Soil Testing
20	Dr. N. Borthakur	November	GARRISON ENGINEER	291460	Soil Testing
21	Dr. P. Das	November	Bhartia Infra Projects Ltd	179950	Design Mix for CTSB & CTB
22	Dr. P.Das	December	Bhartia Infra Projects Ltd	177000	Vetting of Auditorium Building
23	Prof. U. Kumar	December	STAR CEMENT NORTH EAST LIMITED	205000	Mix Design
24	Dr. P.Das	January	UTTAR PRADESH JAL NIGAM (URBAN)	354000	Physical Verification
25	Dr. P.Das	January	TELECOMMUNICATIONS CONSULTANTS INDIA LIMITED	129000	TPQA Testing
26	Dr. D. Bhowmik	January	GARRISON ENGINEER	354000	Soil Investigation
27	Dr. D. K. Ghose & Dr. A. Sil	January	RAIL VIKAS NIGAM LIMITED	742000	Proof Checking
28	Dr. D. K. Ghose	January	RAIL VIKAS NIGAM LIMITED	222600	Proof Checking



29	Dr. D. K. Ghose and Dr. D. Bhowmik	February	GARRISON ENGINEER, SILCHAR	101480	Structural Drawing includes Soil Investigation
30	Dr. Subhrajit Dutta	February	PANKAJ SHAH REALTORS LLP	177000	Proof Checking
31	Dr. J. Haloi	February	Eaststone Builder & Developers	118000	Vetting of structural drawings
32	Prof. PJ Roy and Prof. A. K Barbhuiya	February	DHANSIRI ASSOCIATES	200000	Vetting of Recast Estimate
33	Dr. P. Das	February	Shillong Smart City Ltd	265000	Proof Checking of Structural Design
34	Dr. P. Das	March	INTEGRA VENTURES SERVICES LLP	118000	Vetting

1.7 MAJOR EQUIPMENT ACQUIRED:

Sl. No.	Name of the Equipment	Details including Cost of Equipment	Name of the Lab
1	Half-cell corrosion potential meter	Rs. 3.59 Lakhs	Advanced Concrete Laboratory
2	Rapid chloride penetration test		
3	Water penetration test apparatus		

1.8 PATENT:

Sl. No.	Details	Year
1	Patent Registration ID, 202431075394: Name(s) Of The Inventor: Dr. L.V. PRASAD MEESARAGANDA A COMPOSITION AND METHOD FOR PREPARING GEOPOLYMER LIGHTWEIGHT CONCRETE WITH SYNTHETIC AGGREGATES (Published)	2024

1.9 VISITS TO ABROAD

Sl. No.	Name of the Faculty	Name of the Conference/ Programme	Place	Date
1	Dr. L.V. Prasad M	International Conference on Advances & Innovations in Mechanical, Aerospace & Civil Engineering (AIMACE-2025)	Amity University Dubai	19th - 20th February 2025



2	Dr. Dillip Kumar Ghose	International Conference on Advances and Innovations in Mechanical, Aerospace, and Civil Engineering	Dubai	19-20 February 2025

1.10 M.Tech. / M.Sc. (Thesis/Project)

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis/ Project
1.	Pranjal Nath	Prof. Aminul Islam Laskar	Retrofitting of Superstructure of Katigorah Gammon Bridge at Badarpur Ghat over River Barak: A Case Study
2.	Mahin Mehboob Mazumder	Dr. ATANU Sahu	Seismic Damage Assessment of Bridges by Soft Computing Techniques
3.	Afroz Alam	Dr. Pallab Das	Hybrid Vibration Control of Tall Structures Using Base Isolation and Viscous Dampers
4.	Jabir Ahmed Mazumder	Dr. Nitesh Ahir	Study of Dynamic Responses from FE Model of an Existing RC Building with Added Bracing
5.	Sujit Kumar Baishnab	Dr. Tauhidur Rahman	Site Specific Study for Seismic Parameters of Major RCC Bridge (350 m length) over River Barak near Itkholaghat at Silchar
6.	Hrishikesh Kalita	Prof. Ashim Kanti Dey	Behaviour of Peat Soil Reinforced with Cased and Uncased Stone Columns
7.	Malsawmzuali	Dr. Debjit Bhowmik	Landslide Susceptibility Mapping of Aizawl District, Mizoram Using Multi-Factor Analysis
8.	Roman Basi Molsom	Dr. Amit Kumar Das	Rate of Radial Consolidation of Soft Clay Using Sand-Filled Perforated Bamboo
9.	Hriday Jyoti Sharma	Dr. Nirmali Borthakur	A Study on Stone Column Reinforced Clayey Soil Under a Fly Ash-Lime-Clay Stabilized Layer
10.	Laishram Breetachandra Singh	Dr. Rajarshi Pramanik	Stability of Soil Nail Walls: A Reliability-Based Approach
11.	Vinoth S	Dr. Parbin Sultana	Enhancement of Engineering Properties of Clay Soil Using Egg Shell Powder and Industrial Sugar Cane Waste
12.	Sushma Brahma	Dr. Olympa Baro	A Study on the Effect of Seismic Wave Propagation Along the Guwahati-Siliguri Pipeline in Guwahati City
13.	Yanglem Urmila Devi	Dr. Monowar Hussain	Biopolymer Stabilized Soil and Their Application in Geotechnical Infrastructure



14.	Sachin Reddy	Dr. Nirmalendu Debnath	Analysis of Wind Load Response on Different Geometries of Roof Truss
15.	Irfan Sahidullah	Dr. Subhrajit Dutta, Dr. Rafael Holdorf Lopez	Service Life Prediction of RCC Bridges Based on Vehicle Bridge Interaction Dynamics
16.	Suyash Raj	Dr. Subhajit Das	Structure Damage Identification Using ANN and Acceleration Data
17.	Manish Thakur	Dr. Tauhidur Rahman	Evaluating the Performance of Different Types of Bearing for Varying Span of Bridge
18.	Soumyadeep Ghosh	Dr. Pallab Das	Probabilistic Collapse Risk Assessment of Mid-Rise RC Frame Buildings with Varied Structural Configurations as per Indian Seismic Code
19.	Rahul Raj	Dr. Bijan Kumar Roy	Response Mitigation of Multi-Storey Building with Non-Linear Energy Sink Under Seismic Loading
20.	Margo Jongkey	Dr. Pallab Das	Comparative Seismic Response of Irregular High-Rise RCC Structures with Fixed Base, Base Isolation, and Mid-Story Isolation through Nonlinear Time History Analysis
21.	Ritendra Kumar Verma	Dr. Lakshmi Vara Prasad M	Comparing the Mechanical and Durability Properties of Concrete Using Nano-TiO ₂
22.	Kaliki Pravanth Sai	Dr. Lakshmi Vara Prasad M	Development of Artificial Aggregates Utilizing Industrial Waste
23.	Ashish Gupta	Dr. Tauhidur Rahman	Selection of Suitable Configuration of Cable Stayed Bridges Based on Hybrid Cable Configurations
24.	Rahul Roy	Dr. Subhajit Das	Structural Damage Identification Using Artificial Neural Networks and Vibration Data
25.	Mohit Kumar	Dr. Jyotirmoy Haloi	Experimental Investigation of Fracture Toughness in Bamboo Scrimber Using Compact Tension Specimen
26.	Koshal Kr Yadav	Dr. Jyotirmoy Haloi	Behaviour of GFRP Channel Section Under Eccentric Load
27.	Ghazala Shamim	Dr. Subhrajit Dutta	Seismic Fragility Analysis of Building Portfolios: Accounting Building-to-Building Variability in Reinforced Concrete Structures Across a City
28.	Kalandi Charan Nayak	Dr. Tauhidur Rahman	Site Specific Seismic Study of River Bridge at Demagiri, Mizoram – A Parametric Investigation



29.	Jyotirmoy Goswami	Dr. Jyotirmoy Haloi	Experimental Investigation on the Performance of Hybrid Bolted Connection Subjected to Severe Temperature Duress
30.	Tongbram Ghaneshowri Devi	Dr. Atanu Sahu	Modelling of Tuned Liquid Damper Using Machine Learning Techniques
31.	Sanjay Kumar	Dr. Nitesh Ahir	Seismic Vulnerability Assessment of an Existing RC Building Using Fragility Curves: A Probabilistic Approach
32.	Deep Jyoti Timung	Dr. Bhupali Dutta	Safety Assessment of Urban Roundabouts in Guwahati
33.	Chandan Prasad	Dr. Subhadip Biswas	A Study on Early Red-Light Violations at Urban Intersection
34.	Smita Roy	Prof. Mokaddes Ali Ahmed	Road Safety Assessment Through Star Rating and Road Safety Audit Approach: A Case Study in Silchar
35.	Nilamjit Kour	Dr. Bhupali Dutta	An Empirical Study on Pedestrian Behaviour near Roundabouts in North-East India
36.	Arindita Bhagawati	Prof. Mokaddes Ali Ahmed	Identification of an Ideal Grid Angle through Microsimulation Model for Effective Traffic Safety Assessment at an Unsignalized Staggered Intersection: A Case Study in Guwahati
37.	Aditya Kongkham	Dr. Khwairakpam Lakshman Singh	Study on Moisture Resistance of OGFC Using Surface-Treated Sugarcane Bagasse Fiber and Nettle Fiber
38.	Ningthoujam Prasanta Singh	Dr. Khwairakpam Lakshman Singh, Dr. Ambika Kuity	Utilization of Oobleck Material for Sustainable Road Maintenance
39.	Bhaktaraj Maibam	Dr. Subhadip Biswas	Assessment of Driving Behaviours at Horizontal Curves on Hilly Highways Using Characteristic Centerline



40.	Ngathem Denning Diaz	Dr. Dipanjan Mukherjee	Development of a Comprehensive Framework for Identifying and Mitigating Traffic Rule Violations in a Mid-Sized Indian City
41.	Ranigaipou Gangmei	Dr. Khwairakpam Lakshman Singh	Effect of Bamboo Fibres on the Strength Properties of Semi-Flexible Pavement
42.	Nirmala Narzary	Dr. Suprava Jena	Exploring Gap-Acceptance Behaviour of Pedestrian at School Zones in India
43.	Kharibam Subhash Singh	Dr. Khwairakpam Lakshman Singh	Use of Polymer Treated Recycled Concrete Aggregate in Roller Compacted Concrete Pavement
44.	Subhankar Biswas	Dr. Dipanjan Mukherjee	Integrating Electric Rickshaws into Urban Traffic Systems: Evaluating Safety Challenges and Developing Strategic Guidelines
45.	Nasim Aktar Laskar	Dr. Khwairakpam Lakshman Singh, Dr. Ambika Kuity	Snow Clearance Strategies for Pavement Surfaces
46.	Nirmalya Das	Prof. M. Ali Ahmed, Dr. Ambika Kuity	Design and Simulation of Wireless Charging System Circuit for Non-Modified Bituminous Binder
47.	Rajdeep Das	Dr. Suprava Jena	A Microsimulation Approach to Study the Impact of Queue Jump Lane on Vehicular Safety at Signalized Intersection
48.	Kanish Brahma	Dr. Susmita Ghosh	A Comparative Study on Aquifer Parameter Estimation at Cachar, Assam
49.	Longjam Bikram Singh	Dr. Dinesh Panneerselvam, Dr. Prashanth Janardhan	Multiphase Flow Through Porous Media for CO ₂ Sequestration in Deep Saline Aquifers
50.	Samrat Boro	Prof. Parthasarathi Choudhury	Sediment Rating Curve Parameters Estimation for River Network
51.	Angshumala Boruah	Dr. Dillip Kumar Ghose	Assessing Ground Water Potential in Karbi Anglong: Integrated RS GIS & MCDA Approach
52.	Priyanka Ayekpam	Dr. Briti Sundar Sil	Estimation of Land Use and Land Cover Changes in and Around the Loktak Lake Wetland in Manipur



53.	Duke Kashyap Bora	Dr. Jayshree Hazarika	Assessment of Climate Change Impacts on Streamflow Patterns at Badarpur Ghat of Barak Sub-Basin Using Downscaled CMIP6 Projections
54.	Manas Ranjan Singh	Dr. Prashanth Janardhan	Enhancing Coastal Vulnerability Assessment: An Integration of Geostatistical Tools for Improved Analysis.

1.11 Ph.D. Thesis

Sl. No.	Name of the Students	Name of the Supervisor	Title of the Thesis
1	Jahir Iqbal Laskar	Dr. S. Dutta	Advanced Models for Flood Resilience Analysis of Buildings with Critical Infrastructure Systems for Design Adaptation and Decision-Making
2	Joydeep Das	Dr. Arjun Sil	Reliability Based Condition Assessment of the Reinforced Concrete Bridges Subjected to Multiple Hazard Affecting the Service Life
3	Koushik Das	Dr. Prashanth J	CNN-based Oil Spill Detection and Trajectory Modelling using Geospatial Techniques
4	Tamal Ghosh	Dr. Arjun Sil	Assessment of the Basic Wind Speed of India and Estimation of Dynamic Performance of Tall Building Located in the Coastal Region
5	Mohamed Hasain N	Prof. M. A. Ahmed	Traffic safety evaluation using surrogate safety measures and microscopic traffic simulation in the context of heterogeneous traffic conditions
6	Geetopriyo Roy	Prof. S. Choudhury & Dr. S. Dutta	Seismic Risk Assessment for a Portfolio of Reinforced Concrete Buildings in a City
7	Kamalesh Bhowmik	Dr. N. Debnath	Vibration Control of Building Structures
8	Sayad Sadullah Ahmed	Prof. A. K. Barbhuiya & Dr. Susmita Ghosh	Study of Meander Characteristics and its Effect on the Flow of River
9	Sridharam Sriharsh	Dr. D. K. Ghose	Geospatial Modelling to Predict Groundwater Reserves Using Multi Criteria Decision Analysis and Artificial Intelligence Techniques



10	Gautam	Dr. Debjit Bhowmik	Strength and Durability Characteristics of Lime-Rice Husk Ash Treated and Coir Fiber Reinforced Clayey Soil
11	Dasari Sreeman	Dr. B. K. Roy	Performance Study of Base Isolated Structure Using Friction Pendulum Systems and Shape Memory Alloy with Friction Pendulum Systems Under Seismic Excitations
12	Sougata Mukherjee	Dr. Subhrajit Dutta	Advanced Computational Design of Architected Metamaterials and Complex Structures using Topology Optimization
13	Snehanshu Nath	Dr. N. Debnath & Prof. S. Choudhury	Structural Performance of Slotted Reinforced Concrete Bridge Pier
14	Panchali Chakraborty	Prof. A. K. Barbhuiya	Study of Local Scour at Abutment under Vertical and Side Seepage Conditions
15	Athar Kazmi	Dr. M.L.V. Prasad	Investigating the Effect of CO ₂ Mineralization on the Properties of Concrete Produced with a Sustainability Concept
16	Haroon Rasheed Khan	Prof. M. A. Ahmed	A Methodological Framework for Evaluating and Enhancing Walkability in the Markets of Indian Cities
17	Ashwani Bokadia	Prof. M. A. Ahmed	On-Street Night Car Parking Demand Estimation in Urban Residential Areas: A Case Study in Roorkee and Delhi
18	Tushar Kanti Das	Dr. P. Das & Prof. S. Choudhury	Seismic performance of RC Frame Buildings Designed using Unified Performance-Based Design and IS Code Method
19	MUKUNDA MADHAB BORAH	Dr Arjun Sil	Reliability And Service Life Assessment Of Rc Bridges Under Multiple Deterioration Mechanisms
20	Abhilash Singh	Dr. S. Dutta & Dr. N. Debnath	Seismic Evaluation and Data-Driven Machine Learning Models for Retrofit Design of Reinforced Concrete Buildings
21	Soumitra Kumar Kundu	Prof. Ashim Kanti Dey	Application of Geo-electrical method to establish correlation between electrical resistivity and geotechnical prop
22	Nirmalya Sarma Roy	Prof. S. Choudhury & Dr. S. Dutta	Numerical study on seismic evaluation retrofitting and cost-benefit analysis of existing reinforced concrete buildings

1. Name of the Department:

Mechanical Engineering



OUR RECRUITERS





The Department at a glance	
Year of Establishment: 1977	
Academic Programmes Offered: • Bachelor of Technology (B. Tech) • Master of Technology (M. Tech) • Doctor of Philosophy (Ph.D.)	
Total Faculty Strength (2024-2025): 37 • Professor: 02 • Associate Professor: 14 • Assistant Professor: 21	
Total Student Strength: • B. Tech.: 587 • M. Tech.: 32 • Ph.D.: 79	
New Students Joined in 2024-2025: • B.Tech.: 165 • M.Tech.: 20 • Ph.D.: 07	
Students' Placement during 2024-2025: • <u>Total Nos. of Student (B. Tech):</u> Total Nos. of Student Participated: 120 Total Nos. of Student Placed: 98 Placement Percentage: 81.67 • <u>Total Nos. of Student (M. Tech):</u> Total Nos. of Student Placed: 07 Placement Percentage: 58.34	

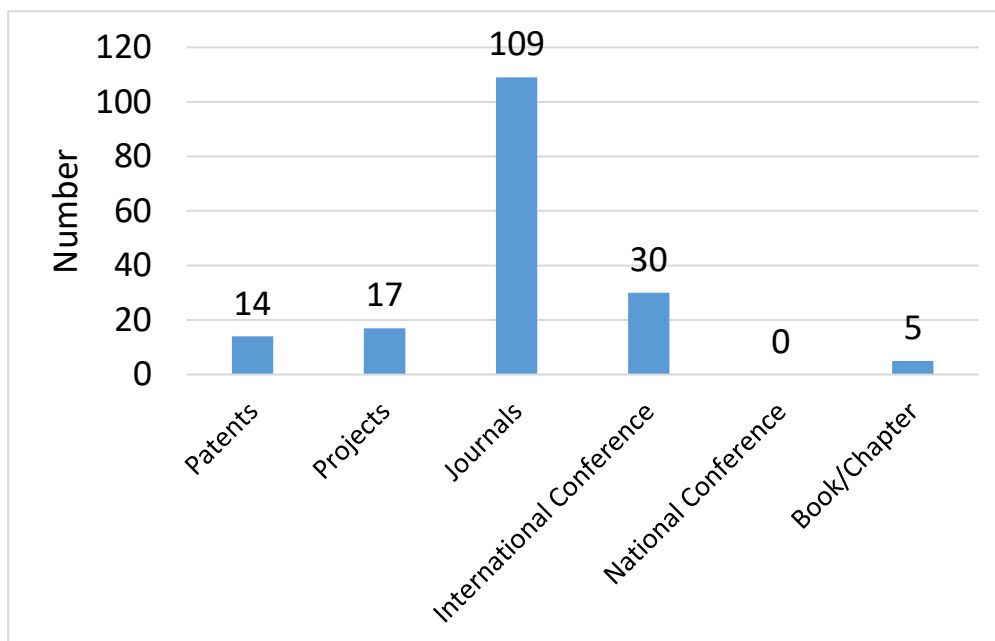


Fig: Publication details of Mechanical Engineering Department during 2023-2024.



About the Department :

The Department of Mechanical Engineering was established in 1967 with the academic activities starting on 2nd November 1977. It is one of the oldest as well as the largest department in the Institute and has been serving the nation particularly the North-eastern region of India for the past 47 years. The department is endlessly endeavouring towards excellence in education, research, projects, and consultancy work with a motto of service to the society.

Over these glorious years of its journey, the department is keeping itself up to date with the latest technological and sustainable developments. The department also ensures that we provide a solid foundation of the principles and practices of Mechanical Engineering to our undergraduates which inevitably will serve the society and the nation. To achieve these fundamental goals, the department has dedicated qualified and experienced faculties in all streams of Mechanical Engineering. The curriculum is revised continuously with the active involvement of industry, alumni, research organizations, and other stakeholders. The department offers 04 years B. Tech. in Mechanical Engineering, 02 years M. Tech. in Thermal Engineering, Design and Manufacturing, CAD CAM and Automation, Materials and Manufacturing Technology, and Renewable Energy and Ph.D. in different fields of Mechanical Engineering. Three of the PG programs are accredited by the National Board of Accreditation (NBA).

1.1 Academic Staff:

HEAD OF THE DEPARTMENT: Dr. Sudipta Halder, Associate Professor

(a) List of Faculty members:

Professor	Associate Professor	Assistant Professor	
Prof. R. D. Misra (HAG)	Dr. K. Chakraborty	Dr. L. Roy	Dr. P. Mandal
Prof. P. K. Patowari	Dr. P. Choudhury	Mr. S.K. Pattanayak	Dr. P. K. Singh
	Dr. A. Biswas	Dr. P. Deb. Roy	Dr. S. Kumar
	Dr. S. Halder	Dr. C. K. Sahoo	Dr. O. Siram
	Dr. S. Bhowmik	Dr. A. Paul	Dr. G. Choubey
	Dr. D. Bhanja	Dr. Bipul Das	Dr. S. Santra
	Dr. S. Nath	Dr. Y. Singh	
	Dr. S. Pati	Dr. S. Sharma	
	Dr. A.B. Deoghare	Dr. A. Bisoi	
	Dr. Biplab Das	Dr. R. N. Gupta	
	Dr. S. Dey	Dr. S. Negi	
	Dr. S.R. Maity	Dr. S. Kar	
	Dr. P. R. Randive	Dr. V. Mahesh	
	Dr. S. Debbarma	Dr. B. Nath	
		Dr. Sunilkumar D	



(b) List of Staffs:

Staff	Designation	Remark/Assignment
Mr. Debanghu Sinha	Senior Technician	Laboratory
Mr. Md. A. K. Sadman A Choudhury	Technician	Laboratory
Mr. Pradeep Kumar Sonkar	Technician	Laboratory
Mr. Jnyanendra Boro	Technician	Laboratory
Mr. Samjit Ali- <i>Retrd.</i>	Technician	Workshop
Mr. Ajoy Roy	Office Attendant	Department office
Mr. Manik Raj Bangshi	Office Attendant	Department office
Mr. Gautam Barman	Office Attendant	Department office
Mr. Sew Nandan Kurmi	Master Role (M/R-)	Welding shop
Mr. Kamrul Islam Laskar	M/R-	Workshop
Mr. Babal Chandra Das	M/R-	Fitting workshop
Mr. Mayzul Hq. Laskar	M/R-	Lab. Attendant
Mr. Majion Uddin Mia	M/R-	Lab. Attendant
Mr. Debabish Roy	M/R-	Carpentry workshop
Mr. Tara Bhadur Thapa	M/R-	Machine workshop
Mr. Rajai Pawi Kami	M/R-	Machine workshop
Mr. Sahab Uddin Laskar	M/R-	Office Attendant

(c) Invited Talk (If any):

1. Prof. Prakriti Kumar Ghosh, IIT Roorkee, Topic “Basic of Design and Analysis of Advanced Welded Structure”, Keynote Address at ICRAE-2025, NIT Silchar
2. Prof. Andreas Muller, Johannes Kepler University (JKU), Linz, Austria, Topic “High- Fidelity Modeling as Enabler for Agile Robotic Systems”, Keynote Address at ICRAE-2025, NIT Silchar.
3. Prof. N. Narasaiah, NIT Warangal, Topic “Effect of Hold Times and Force Ratio on Creep Fatigue Crack Growth (CFCG) Behaviour of Welded and Base Metals of P91 Steel”, Keynote Address at ICRAE-2025, NIT Silchar.
4. Prof. Kaustabha Mohanty, IIT Guwahati, Topic “Catalytic Hydrodeoxygenation of co-pyrolytic oil derived from Mesua ferrea L oilseed and PET for enhancing fuel properties”, Keynote Address at ICRAE-2025, NIT Silchar
5. Dr. Ritabrata Thakur, IIT Delhi, Topic “Nonlinear nonmodal energy growth due to viscosity stratification”, Keynote Address at ICRAE-2025, NIT Silchar



6. Prof. Kapil Gupta, University of Johannesburg, South Africa, Topic “Advanced Manufacturing and Digital technology Intervention for Sustainability Leveraged Mechanical Engineering Education” Keynote Address at ICREAME-2025, NIT Silchar.
7. Prof. I.A. Palani, IIT Indore, Topic “Realization of Triboelectric Nanogenerator-based Smart vibration Sensor for Industry 4.0” Keynote Address at ICREAME-2025, NIT Silchar.
8. Prof Saman K. Halgamuge, University of Melbourne, Australia, Topic “Emerging Role of AI in Sustainable Energy” Keynote Address at ICREAME-2025, NIT Silchar.
9. Prof. Antonella Ingenito, University of Rome La Sapienza, Italy, Topic “Advances in Numerical Modeling for Enhanced Scramjet Performance” Keynote Address at ICREAME-2025, NIT Silchar.
10. Prof. Ramesh Singh, IIT Bombay, Topic “Fostering Innovation through Industry-Academia Collaboration” Keynote Address at ICREAME-2025, NIT Silchar.

1.2 Distinction/Award/Recognition Achieved

a) By Student:

1. Received "Best Paper Award" - S. Alam, J. Das, and S. Bhowmik, 2025, “Experimental and numerical study on temperature control Phase Change behaviour of Beeswax Copper Composite in a cuboid PCM casing system for thermal control Li-Ion Battery”, In Proceedings 2nd International Conference on Data Driven AI (ICDDA-2025), May 7th 2025 - May 9th 2025, 2025, Organized by Assam Kaziranga University, Jorhat, Assam, India.
2. Mr. Sahidul Alam (Batch 2021 – 2025), Received 1st Prize in Oral Presentation in ASME EFX at NIT Silchar on August 3rd 2024 – Development and Investigation of hybrid beeswax-based phase change materials for thermal controlled storage applications.
3. Received “Best Paper Award” – A. Kalita, A. Debnath, and S. Bhowmik, 2024, Investigation of Corrosion Resistance in Graphene Nanoplatelets and Jute Micro Filler Reinforced Bio-epoxy Hybrid Composites IEEE 8th Students Conference on Engineering and Systems (SCES), June 21-23, 2024, Department of Electrical Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj, India.
4. Ms. Ananya Kalita (Batch 2020 – 2024), Received “Best Paper Presentation Award” –A. Kalita and S. Bhowmik, Evaluation of the tribological behaviour of graphene nanoplatelets and Jute micro filler based bio-epoxy hybrid composites, International Conference on Sustainable Research in Energy and Environment (SREE)-2024, 5th – 6th April 2024, Jointly organized by Department of Chemical Engineering & Centre for Energy and Environment, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab, India, Sponsored by Royal Society of Chemistry.

b) By Faculty Member:

1. Dr. Yogesh Singh: Awarded SERB SIRE fellowship to visit Hanbat National University, Daejeon, South Korea from Jan 2024 to July 2024.
2. Dr. Somnath Santra: Prime minister Early Career Research Grant (PM ECRG). Govt. of India, 2025.
3. Dr. Vinyas Mahesh: Summer Research Fellowship, Indian Academy of Sciences, 2025.
4. Dr. Gautam Choubey: Springer Nature Editor of Distinction Award 2025 in Recognition of the outstanding Editorial contribution to Scientific Reports.



5. Dr. Agnimitra Biswas: Certificates for Reviewing Scientific Papers of Peer Reviewed Journals.
6. Dr. Simanchal Kar: Certificates for Reviewing Scientific Papers of Peer Reviewed Journals.
7. Dr. Dr. Abhishek Paul: Certificates for Reviewing Scientific Papers of Peer Reviewed Journals.
8. Dr. Sushant Negi: Certificates for Reviewing Scientific Papers of Peer Reviewed Journals.
9. Dr. S. Nath: Certificates for Reviewing Scientific Papers of Peer Reviewed Journals.
10. Dr. D. Bhanja: Certificates for Reviewing Scientific Papers of Peer Reviewed Journals.
11. Dr. C. K. Sahoo: Certificates for Reviewing Scientific Papers of Peer Reviewed Journals.
12. Dr. R. N. Gupta: Certificates for Reviewing Scientific Papers of Peer Reviewed Journals.
13. Dr. Biplab Das: Certificates for Reviewing Scientific Papers of 30+ Peer Reviewed Journals.
14. Dr. P. K. Singh: Certificates for Reviewing Scientific Papers of Peer Reviewed Journals.

1.3 Seminars, Symposia, Short Term Courses, Workshops

a) Conducted by Faculty Member

Sl. No.	Name(s) of the Coordinator	Title	Funding Agency	Duration
1	HoD, ME (Convenor)	6 th International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2024)	NEC & ANRF	28 th February - 2 nd March 2025
2	Dr. Yogesh Singh	Course on, "Modeling of aerial and parallel robotic manipulators using Lie group and screw theory".	GIAN	24 th -28 th , February 2025
3.	Dr Sudip Dey	Workshop on "Metamaterials and Smart Structures for Energy Harvesting".	SPARC, Ministry of Education, Govt of India.	7 th -11 th , January 2025.
4.	Dr Sudip Dey and Dr H. Madinei (Swansea University, UK)	Course on, "Experimental Modal Analysis: Non-contact Measurement Methods".	SPARC, Ministry of Education, Govt of India	8 th December – 2 th February 2025
5.	Agnimitra Biswas Prof. R.D. Misra	A three-day Workshop on Recent Advancements in Pico Hydro Technologies	SERB-DST	3 rd -5 th February, 2025



b) Participated by Faculty Member

Sl. No.	Name of Faculty	Details of the Program	Organizing Institute
1.	Dr. Agnimitra Biswas	Energy Conservation for Sustainable Society: Innovation and Entrepreneurial Opportunity (STTP).	IIC, NIT Silchar, India
2.	Dr. P. Choudhury	Linear and Non-linear Finite Element Analysis with Programming (STTP).	BITS Pilani, Hyderabad, India.
3.	Dr. P. Choudhury	Emerging Trends and Challenges in Biomechanics and Biomaterials.	NIT Raipur, India
4.	Dr. Simanchal Kar	Two-days training of facilities available in CTTC Bhubaneswar.	CTTC Bhubaneswar, India
5	Dr. S. Bhowmik (Invited)	Guest Lecture in “Industry-Academia One-day seminar” is organized on the theme ‘Role of Engineers in Advancing Science and Technology for Sustainable Development’ of “World Engineering Day 2025”, 8 th March 2025.	Institute of Engineers, NIT Silchar, India
6	Dr. S. Bhowmik (Invited)	Keynote talk in “6 th International Congress on Advances in Mechanical Science” July 26 th – 27 th , 2024, Department of Mechanical Engineering.	Vardhaman College of Engineering, Hyderabad, Telangana, India
7	Dr. S. Bhowmik (Invited)	Expert talk in “Innovation, Design, and Entrepreneurship (IDE) Boot Camps”, 9 th – 10 th April 2024	Tapesia Campus, Assam Don Bosco University, Guwahati, Assam
8	Dr. S. Bhowmik (Invited)	Expert talk in A 5-day Faculty Development Program on “Industry 4.0: Technological Evaluation” 1 st – 5 th April 2024, Department of Mechanical Engineering	Techno College of Engineering, Agartala, Tripura
9	Dr. A. Paul	Expert talk at the 5-day workshop on "Industry-Academia Workshop on Advanced Materials for Sustainable Technologies (AMST 2025)" from 29th January to 2nd February 2025, Department of Physics.	NIT Silchar, India
10	Dr. A. Paul	Expert talk during the "World Hydrogen Day" celebration on 8th October 2024, Department of Mechatronics.	Manipal Institute of Technology, Manipal, India.
11	Dr. A. Paul	Expert talk at the 2-day DST (SERB) sponsored workshop on "Green Hydrogen Production, Storage, and Transportation: A Green Energy Perspective" from 14th to 15th March 2024, Department of Mechanical Engineering	Vellore Institute of Technology, Vellore, India



12	Dr. Vinyas Mahesh	CBDE Pedagogy Workshop 18-19 March 2025.	Tezpur University, Assam, India
13	Dr. Vinyas Mahesh	CBDE Pedagogy Workshop on Design and Entrepreneurship (05, 06 Sept 2025)	NIT Silchar, India
14	Dr. Sushant Negi	CBDE Pedagogy Workshop on Design and Entrepreneurship (05, 06 Sept 2025)	NIT Silchar, India

1.4 Research Development

a) Ph.D. Programme (Specializations):

- ❖ Thermal Engineering
- ❖ Design and Manufacturing
- ❖ Renewable Energy
- ❖ Hard Surface coating
- ❖ Arc-based Additive Manufacturing
- ❖ Advanced Manufacturing Processes
- ❖ Composite Materials
- ❖ Materials Engineering

b) Ph.D. Produced/Ongoing (in number):

Name of Faculty	Completed	Submitted	Ongoing
Ashish Bhalchandra Deoghare	Nil	Nil	1.5
Agnimitra Biswas	1	1	3.5
Simanchal Kar	0.5	Nil	2.5
Abhishek Paul	1	1	1
Sudipta Halder	0.5	Nil	2
Sumit Bhowmik	Nil	Nil	2.5
Purushottam Kumar Singh	Nil	1	1



Sukumar Pati	Nil	Nil	4
Vinyas Mahesh	Nil	Nil	2
Biplab Das	1	1	5
Yogesh Singh	1	Nil	3
Rajeev Nayan Gupta	Nil	1	2
Gautam Choubey	Nil	Nil	1.5
Somnath Santra	Nil	Nil	1.5
Prosun Mandal	Nil	Nil	1.5
Sunilkumar D	Nil	Nil	1
Chinmaya Kumar Sahoo	0.5	Nil	1.5
Dipankar Bhanja	0.5	Nil	4
Sujit Nath	Nil	Nil	2
Sushant Negi	1.5	Nil	1.5
Promod Kumar Patowari	1.5	Nil	1.5
Alfa Bisoi	0.5	Nil	2
Bipul Das	2	Nil	3



c) Research Lab/ Workshop:

Sl. No.	Name of Faculty	Name of Lab/Workshop	Purpose/Linkage to an existing/new programme
1.	Simanchal Kar	FMS Laboratory	Measurement and Instrumentation
2.	Sudipta Halder	Nano-composite Laboratory	Synthesis of nano-materials and nano-composites
3.	Sudipta Halder	Fiber-Reinforcement Polymer Laboratory	Preparation of fiber composites; de-gassing of samples & polishing of samples related work
4.	Sudipta Halder	Material Characterization Laboratory	Thermo-Gravimetric Analysis (Thermal Characterization); Mechanical Testing (Universal Testing Machine) & Nano-material Production (Planetary Ball Milling)
5.	Purushottam Kumar Singh	Nano Fusion Lab	Synthesis of nano particles
6.	Rajeev Nayan Gupta	Tribology Laboratory	Friction and wear study
7.	Yogesh Singh	Advanced Robotics Research Laboratory	Robotics research
8.	Abhishek Paul	Advanced Engine research Lab	Combustion Research
9.	Abhishek Paul	Fuel Research Lab	Fuel synthesis and characterization
10.	Sudip Dey	Uncertainty Quantification Lab	UQ Research
11.	Sudip Dey	Machine Design Lab	Machine Design Experiments and related research
12.	Dipankar Bhanja & Sujit Nath	Advanced Fluid and Heat Transfer Lab	Fluid and Heat Transfer research
13.	Promod Kumar Patowari	Advanced Manufacturing Lab	Advanced Machining Processes
14.	Promod Kumar Patowari	Micro Nano Manufacturing Lab	Micro Machining Processes

d) Ongoing/Completed Sponsored Research Project:

Sl. No.	Project Title	Principal Investigator(s)	Funding Agency	Cost in lakhs	Duration
1.	Development of Three axes force and torque measurement device for monitoring and control of friction stir welding process.	Dr. Bipul Das	DST, GoI	Rs. 77.70 Lakh	2022-2025
2.	Dynamics of deformable drops and biological cells in microchannels	Dr. Binita Nath	DST (INSPIRE)	Rs. 35.00 Lakh	5 years (Start Date - 03.08.23)



3.	Design and development of a microreactor for production of clean hydrogen gas.	Dr. Binita Nath	SERB (SRG)	Rs. 32.64 Lakh	2 years (start date - 19.12.24)
4.	Harvesting Pico-scale water power using zero-head modified Savonius water turbine.	Dr. A. Biswas (PI) Prof. R. D. Mishra (Co-PI)	SERB-CRG	Rs.30.02 Lakh	3 years (2022-25)
5.	Development of visible active multiphasic titania-metal oxide nano heterojunction photo catalyst with enhanced green hydrogen production capacity and test its utility in an indigenously fabricated prototype solar photocatalytic reactor for large scale applications.	Dr. A. Biswas (Co-PI) Dr. R.G. Nair (PI) And, Prof. S.S. Dhar (Co-PI)	SERB-CRG	Rs. 46.42 Lakh	3 Years (2023-2026)
6.	Development of smart solar photovoltaic system having encapsulated phase change material with artificial intelligence based real-time condition monitoring.	Dr. S. Halder (PI) Dr. A. Biswas (Co-PI). Dr. K.N. Das (Co-PI), and Dr. S. Sahoo (Co-PI)	CRG-ANRF	Rs. 45.00 Lakh	3 years (2024-2027)
7.	Design, Development, and Testing of Sediment Erosion- Resistive Micro Hydro Turbine for off-grid application	Dr. Biplab Das (PI) Dr. Ojing Siram (Co-PI), and Dr. Agnimitra Biswas (Co-PI)	DST	Rs. 22.00 Lakh	2 years (2024-2026)
8.	Machine Learning Based Design of Low-Cost Knee-Ankle-Foot-Orthosis for Divyangs and Development Through Additive-Manufacturing of Recycled Plastic.	Dr. Vinyas Mahesh (PI), and Dr. Sumit Bhowmik (Co-PI)	DST-SYST	Rs. 32.22 Lakh	2024-2027
9.	Electric Field Modulated Maneuvering of Red Blood Cells In a Network of Bio-Mimetic Deformable Microvessels Under Healthy and Diseased Conditions.	Dr. Somnath Santra	DST (Govt. of India)	Rs. 35.00 lakhs	5 years (2024-2029)
10.	Design and Development of a SMART (shape memory alloy restoration technique) Actuation based Lower Limb Rehabilitation Robotic System.	Dr. Yogesh Singh	DST SEED	Rs. 33.13 Lakhs	2022-2025



11.	Uncertainty Quantification of Multiscale Flutter Analysis of Composite	Dr. Sudip Dey (PI) and Dr. Rajeev Nayan Gupta (Co-PI)	AR&DB (DRDO)	32.41 lakhs	June, 2024-2027
12.	Modeling of distribution and tracking of droplets for Agricultural sprays: AI assisted	Dr. Dipankar Bhanja	DST	6.6 lakhs	Jan 2024
13.	Unveiling the Role of Glycocalyx in Red Blood Cell Movement under Electric Field: Vision for an Affordable and Sustainable Technique (VAST) for Early Pre-eclampsia Detection	Dr. Somnath Santra	ANRF	63 Lakhs	July, 10, 2025
14.	Electric Field Modulated Maneuvering of Red Blood Cells In a Network of Bio-Mimetic Deformable Microvessels	Dr. Somnath Santra	DST	35 lakhs	Oct, 2024
15.	Capacity Building on Design and Entrepreneurship (CBDE)	Dr. Ashish B Deoghare (PI), Dr. Wasim Arif (Co-PI), Dr. J Prasanth (Co-PI), Dr. Binoti Patra (Co-PI)	Ministry of Education, Letter No. 1-9/2024-PN. II	Rs. 42.06 lakhs	21 Oct 2024
16.	Induction heating via reversible disulfide bond grafted MXene for localized self-healing in thermoformable CFRP laminates	Dr. Sudipta Halder	ANRF (EEQ)	Rs. 36.70 Lakhs	Feb 17, 2024 - Feb 17, 2027
17.	Community based Microencapsulated Phase Change Materials (MPCM) Assisted Hybrid Solar Agro-Processing Centers	Dr. Sudipta Halder	NMHS	Rs. 49.00 Lakhs	Mar 15, 2024 - Mar 15, 2027
18.	Design, Development, and Performance Analysis of a Diffuser-augmented Low-head Archimedes Screw Hydrokinetic Turbine	Dr. Biplab Das (PI), Dr. Ojing Siram (Co-PI), and Dr. J Prasanth (Co-PI)	DST	Rs. 20.00 Lakhs	Oct 30, 2024 - Oct 30, 2026 (2 years)



e) Research Paper Reviewed

Sl. No.	Faculty Name	Journal Name	No. of Paper	Year
1.	Dr. Agnimitra Biswas	Energy Conversion and Management	15	2024-25
		Applied Energy	15	2024-25
		Renewable Energy	08	2024-25
		Energy	16	2024-25
		Sustainable Energy Technologies and Assessments	03	2024-25
		Energy Conversion and Management: X	06	2024-25
2.	Dr. Sumit Bhowmik	Materials Today Communications	01	2024-25
		Arabian Journal for Science and Engineering	04	2024-25
		Progress in Materials Science	01	2024-25
		Journal of Cleaner Production	01	2024-25
		Journal of Reinforced Plastics and Composites	01	2024-25
		BioResources	01	2024-25
		Advanced Engineering Materials	01	2024-25
		Mechanics of Composite Materials	01	2024-25
		Journal of The Institution of Engineers (India): Series C	01	2024-25
		Journal of Polymer Research	01	2024-25
		Journal of Mechanical Science and Technology	01	2024-25
		International Journal of Mechanical Sciences	01	2024-25
3.	Purushottam Kumar Singh	Journal of The Institution of Engineers (India): Series C	02	2024-25
		Journal of Environmental Chemical Engineering	01	2024-25
		Discover Materials	01	2024-25



4.	Dr. Chinmaya Kumar Sahoo	Crystals	01	2024-25
		Engineering Research Express	02	2024-25
		Steel Research International	01	2024-25
		Metals	01	2024-25
		Materials Research Express	01	2024-25
5.	Dr. Vinyas Mahes	Composite Structures	02	2024-25
		Journal of Engineering Mechanics	01	2024-25
		Archive of Applied Mechanics	02	2024-25
		Polymer Composites	02	2024-25
6.	Dr. Dipankar Bhanja	Applied Thermal Engineering	02	2024-25
		Physics of Fluids	02	2024-25
		International Journal of Thermal Sciences	07	2024-25
		International Communication of Heat and Mass Transfer	04	2024-25
		International Journal of Heat and Mass Transfer	05	2024-25
		Case Studies in Thermal Engineering	03	2024-25
		International Journal of Thermofluids	02	2024-25
		Journal of Energy Storage	01	2024-25
		Neural Computing and Applications	02	2024-25
		Thermal Science and Engineering Progress	05	2024-25
7.	Dr. Sujit Nath	Applied Thermal Engineering	01	2024-25
		Physics of Fluids	02	2024-25
		International Journal of Heat and Mass Transfer	02	2024-25
		International Communication of Heat and Mass Transfer	03	2024-25



8.	Dr Gautam Choubey	Physics of Fluids	02	2024-25
		Applied Thermal Engineering	01	2024-25
		Aerospace Science & Technology	04	2024-25
		International Journal of Hydrogen Energy	04	2024-25
		Energy	03	2024-25
		Flow Turbulence combustion	01	2024-25
		Acta Astronautica	04	2024-25
		European Journal of Mechanics—B/Fluids	01	2024-25
9.	Dr. Rajeev Nayan Gupta	Macromolecular Materials and Engineering	01	2024-25
		Journal of Solid Waste Technology and Management	01	2024-25
		Journal of Engineering Science and Education	01	2024-25
10.	Dr. Sushant Negi	Heliyon	01	2024-25
		Rapd Prototyping Journal	02	2024-25
		Scientific Reports	01	2024-25
		Sadhana	01	2024-25
		Advanced Engineering Materials	01	2024-25
		Polymer Composites	01	2024-25
11.	Dr. Somnath Santra	Physics of Fluid	03	2024-25
		Softmatter	01	2024-25
		RSC Advance	01	2024-25

f) Chairing of Technical Section

Sl. No.	Faculty Name	Details
1.	Dr. Sudip Dey	Chaired a Keynote Session in 6 th ICRAE 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
		Chaired a Technical Session in 6 th ICRAE 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.



2.	Dr. Abhishek Paul	Co-chaired Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
3.	Dr. Agnimitra Biswas	Chaired a Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
		Chaired a Technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
4.	Dr. S. Bhowmik	Session Chair, IEEE Region 10 Conference 2024 (TENCON 2024), December 1 st 2024, 2024, Marina Bay Sands, Singapore.
5.	Dr. Sumita Debbarma	Co-chaired Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
6.	Dr. Gautam Choubey	Co-chaired Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
		Session Chair, ICMSC 2025, NERIST, Arunachala Pradesh, India
7.	Prof. P. K. Patowari	Chaired a Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
8.	Dr. Sudipta Halder	Chaired a Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
9.	Dr. Pannalal Choudhury	Chaired a Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
10.	Dr. Sujit Nath	Chaired a Technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
11.	Dr. Rajeev N Gupta	Co-chaired Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
		Session Chair in technical session at ICRIDME 2024, NIT Meghalaya
12.	Dr. Ashish B Deoghare	Chaired a Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
13.	Dr. Dipankar Bhanja	Chaired a Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.



14.	Prof. R.D. Misra	Chaired a Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
		Chaired a Technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
15.	Dr. Chinmay K Sahoo	Co-chaired Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
16.	Dr. P. R. Randive	Chaired a Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
17.	Dr. Sukumar Pati	Chaired a Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
18.	Dr. Biplab Das	Chaired a Keynote and a technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
19.	Dr. Y. Singh	Co-chaired Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
20.	Dr. S. Sharma	Chaired a Technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
21.	Dr. A. Bisoi	Chaired a Technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
22.	Dr. S. Negi	Co-chaired Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
23.	Dr. D. Bhanja	Chaired a Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
24.	Dr. V. Mahesh	Co-chaired a Technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
25.	Dr. Sunilkumar D	Co-chaired Keynote Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.
26.	Dr. P. Mandal	Chaired a Technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.



27.	Dr. P. K. Singh	Co-chaired a Technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025
28.	Dr. S. Kumar	Co-chaired a Technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025
29.	Dr. S. Santra	Co-chaired a Technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025
		Session Chair, ICMRMEN-2025, Government Engineering College, Samastipur, Bihar, India
30.	Dr. P. Deb. Roy	Chaired a Technical Session in 6 th ICROME 2024 organized by the Department of Mechanical Engineering, NIT Silchar, 28 th Feb - 2 nd March, 2025.

1.5 PUBLICATIONS

a) International Journal(s):

1. Sapam Ningthemba Singh., Ashish B. Deoghare (2025). " Deposition stability and enhanced microhardness of laser shock peened Ti6Al4V alloy manufactured by high layer thickness laser additive manufacturing" Manufacturing Letters, 33–36, 10.1016/j.mfglet.2025.03.004
2. Sapam Ningthemba Singh., Amdadul Mahmum., Ashish B. Deoghare., Yadaiah Nirsanametla., Sohini Chowdhury (2024). "Surface micro-cracks and microstructures of Ti6Al4 alloy fabricated by high-layer thickness multi-laser directed energy deposition additive manufacturing process." Scientia Iranica, 10.24200/sci.2024.64669.9069
3. Amdadul Mahmum., Sapam Ningthemba Singh., Ashish B. Deoghare., (2024). "An investigation on purity enhancement through hydrofluoric acid treatment in graphite powder derived from coconut shell." Diamond and Related Materials, 147, 111358 (1-8) , 10.1016/j.diamond.2024.111358
4. Sapam Ningthemba Singh, Ashish B. Deoghare. (2024). "" Enhanced fatigue performance of laser directed energy deposition fabricated Ti6Al4V alloy using laser shock peening."" Procedia Structural Integrity, 56, 11–18, 10.1016/j.prostr.2024.02.031
5. Amdadul Mahmum., Ashish B. Deoghare. (2024) ""A comparative study on coconut shell-derived graphene oxide and reduced graphene oxide."" Current Applied Physics, 62, 12–21, 10.1016/j.cap.2024.03.009
6. Sapam Ningthemba Singh., Ashish B. Deoghare. (2024). "Microstructure, microhardness, tensile and fatigue investigation on laser shock peened Ti6Al4V manufactured by high layer thickness directed energy deposition additive manufacturing." Optics & Laser Technology, 177, 111132 (1-11), 10.1016/j.optlastec.2024.111132
7. Mahakur, V. K., Paul, R., and Kumar, S., Mishra, D.K., Bhowmik, S., Rao, A. C. U., and Reddy, P. V. (2024) "Evaluating the physical, mechanical, structural and tribological functionality of ecological composites constituted of bio-fillers extracted from eggshell residues", Journal of Material Cycles and Waste Management, Volume 27, 960–972, December, 2024, <https://doi.org/10.1007/s10163-024-02149-5>



8. Kumar, S., and Bhowmik, S., (2024) "Principles and biomechanical response of normal gait cycle to measure gait parameters for the alignment of prosthetics limb: A technical report", *Prosthetics and Orthotics International*, Volume 18, 1-16, December, 2024
9. Kumar, S., and Bhowmik, S., (2024) "Accelerated Weathering with Humidity Effects on Physical, Surface Interfacial and Tribology Behavior of Kenaf-Pineapple Laminated Biocomposite Under Different Loading Constraint", *Fibers and Polymers*, Volume 26, 173–195, December, 2024, <https://doi.org/10.1007/s12221-024-00804-0>
10. Mahakur, V. K., Kumar, S., Bhowmik, S., and Patowari, P. K., (2024) "Experimental evaluation of physicommechanical, tribological and optimality circumstances for *Corchorus olitorius* particle-based composites", *Polymer International*, Volume 74, Issue 2, 127-139, August, 2024, <https://doi.org/10.1002/pi.6695>
11. Kumar, A., Kumar, S., Kumar, D., Mahakur, V.K., and Bhowmik, S., (2024) "Utilization of banana peel as bio-filler to develop bio-composite materials and characterize their physical, mechanical, thermal, and tribological characteristics", *Polymer Bulletin*, Volume 81, 16175–16196, August, 2024, <https://doi.org/10.1007/s00289-024-05464-x>
12. Paul, R., Mahakur, V. K., and Bhowmik, S., (2024) "A comparative analysis of the tribological performance of coir, bamboo and wood filler reinforced polymer composites", *Physica Scripta*, Volume 99, Issue 9, 1 – 23, August, 2024, <https://doi.org/10.1088/1402-4896/ad6c87>
13. Nagaraju, A. S., Gupta, R., and Bhowmik, S., (2024) "Effects of the influence of triangular dimple and aspect ratio on NACA 4412 airfoil on the overall performance of HDarrieus wind rotor: An experimental investigation", *Wind Engineering*, Volume 49, Issue 1, 181-198, July, 2024, <https://doi.org/10.1177/0309524X241256955>
14. Kumar, S., Mahakur, V. K., and Bhowmik, S., (2024) "Potential utilization of natural solid waste found in the northeast India for development of polymeric composites: process, properties, challenges, and applications: a review", *Journal of Material Cycles and Waste Management*, Volume 26, 1979–1996, May, 2024, <https://doi.org/10.1007/s10163-024-01986-8>
15. Bhaumick A., Sengupta A.R., Biswas A., Das D.H. (2024). "Performance of Compound Parabolic Collector integrated Organic Rankine Cycle under low mass flow rates for clean energy". *International Journal of Environmental Science and Technology*, 21, 9237–9250, doi.org/10.1007/s13762-024-05605-9
16. Soumith V., Biswas A., Nath S (2024). "Optimal selection of a sustainable passive heat transfer enhancement technique for circular pipe heat exchanger using MCDM framework." *Arabian Journal for Science and Engineering*, 50, 2835–2856, doi.org/10.1007/s13369-024-09289-8
17. Nath Biswajit, Biswas A., Das Biplab, Misra R.D (2024). "Design, optimization, and analysis of a modified Savonius hydro-kinetic turbine (MSHT) with curved winglet and straight blade." *Energy Conversion and Management*, 314, 118699, doi.org/10.1016/j.enconman.2024
18. K.C. Sarma, Biswas A., B. Nath, R. Dev Misra (2024). "Experimental study of the effect of gap between the stages of a double-stage Savonius Hydrokinetic turbine with end plates and blade overlapping at low water currents." *Energy Sources Part A: Recovery, Utilization, and Environmental Effects*, 46(1), 10557–10578, doi.org/10.1080/15567036.2024.2386092
19. Chanda Prayag Raj, Biswas A (2024). "Carving a niche in building energy using vernacular house with passive wall materials- a multi-criteria decision-making framework", 312, 133539, doi.org/10.1016/j.energy.2024
20. K.C. Sarma, B. Nath, Biswas A., R. Dev Misra (2025). "Study of stage gap for a two-bladed two-stage Savonius-like-hydrokinetic turbine performance involving end plates and overlapping". *Journal of Applied Fluid Mechanics*, 18(4), 904-918, doi.org/10.47176/jafm.18.4.2924



21. S Kumar, S Hader, P Choudhury, (2024) "Nanoclay protonation and silane functionalization to enhance mechanical and fracture performance of epoxy nanocomposites", *Polymer Composites*, Volume 45, Issue 9, 1/7932-7949, March, 2024, <https://doi.org/10.1002/pc.28314>
22. NI Khan, S Halder, BR Gautam, (2024) "Self-healing of epoxy nanocomposites using Diels-Alder adduct grafted graphitic nanoplatelets", *Results in Surfaces and Interfaces*, Volume 14, 1/1-5, <https://doi.org/10.1016/j.rsurfi.2024.100187>
23. LN Borah, S Das, P Choudhury, S Halder, (2024) "Milled graphitic nanoparticle toughened epoxy composites via increased resistance to in-plane crack propagation", *Materials Chemistry and Physics*, Volume 314, 4/1-12, <https://doi.org/10.1016/j.matchemphys.2024.128894>
24. K Mahanta, D Banerjee, P Bariar, P K Sah, S Arefin, S Pati, P Biswas, Analysis of electroosmotically modulated peristaltic transport of third grade fluid in a microtube considering slip-dependent zeta potential, *Journal of Fluids Engineering* 146 (9) (2024) 091201
25. H Dey, S Pati, PR Randive, L Baranyi, Effect of finned networks on PCM based battery thermal management system for cylindrical Li-ion batteries, *Case Studies in Thermal Engineering* 59 (2024) 104572
26. S. Chakravarthy, P. R. Randive, S. Pati, Implication of injection angle and jet to crossflow ratio on the combustion characteristics of a scramjet combustor, *Proc IMechE Part E: J Process Mechanical Engineering* <https://doi.org/10.1177/09544089241253689>
27. D. Bhowmick, P. Randive, S. Pati, Numerical Investigation on Effects of Swirl and Offset ratio on thermal transport characteristics and Entropy generation of Turbulent Jet flow, *Proc IMechE Part E: J Process Mechanical Engineering* <https://doi.org/10.1177/09544089241272>
28. D. Banerjee, S. Pati, P. Biswas, Analysis of Electroviscous Effect for Flow of Micropolar Fluids in a Nanochannel with Overlapping Electric Double Layers at High Zeta Potential, *Langmuir*, 40, 40 (2024), 21128–21138
29. M. P. Boruah, P.R. Randive, S. Pati, Generation, Migration and Coalescence of Droplets: A State-of-the-Art Review from the Perspectives of Wettability, Inertia and Electric Field, *Physics of Fluids* 36 (2024) 121301
30. A. Nath, H. Dey, S. Pati, Probing the hydrothermal performance of corrugated channels: A numerical scrutiny, *International Communications in Heat and Mass Transfer* 159 (2024) 108303
31. E. Tripathi, P. K. Patowari, S. Pati, Enhanced mixing characteristics in a spiral micromixer with grooves having variable configurations: A computational analysis, *Proc IMechE Part E: J Process Mechanical Engineering* DOI: 10.1177/09544089251316778
32. T. Sujith, S. K. Mehta, S. Pati, Ion size-dependent heat transfer characteristics of electroosmotic flow through a microchannel considering interfacial slip, *Physics of Fluids* 37, 032019(2025)
33. A. J. Nath, D. K. Deka, S. Pati, Thermally mediated droplet breakup dynamics within a symmetric T-junction, *Journal of Fluids Engineering* 147(8): 081402 (2025)
34. Nath B, Biswas A, Das Biplab, Misra RD, "Hydrodynamic Investigation of a Hybrid-Bladed Savonius Hydrokinetic Turbine-Computational Fluid Dynamics and Taguchi Optimization Approaches", *Journal of Fluids Engineering*, 2025, <https://doi.org/10.1115/1.4068402>, Indexed in SCIE, Impact Factor: 1.8, Quartile: Q2
35. Pandit, S., Das, D.C., Das, Biplab and Newar, P.P, "The performance assessment of TIBC cookstove with multi-solid fuels for small-scale electricity generation in remote areas", *Renewable Energy*, 2025, <https://doi.org/10.1016/j.renene.2025.122409>, Indexed in SCIE, Impact Factor: 9, Quartile: Q1



36. Kumar, V., Das, Biplab and Gupta, R, “Energy, exergy, economic and environmental analyses of single slope solar still employing cylindrical cement fins and wick material for thermal energy storage.”, *Journal of Energy Storage*, 2025, <https://doi.org/10.1016/j.est.2025.115360>, Indexed in SCIE, Impact Factor: 8.9, Quartile: Q1
37. Gogoi, M., Das, Biplab and Patowari, P.K, “Characterization and performance analysis of modified phase change material with paraffin wax and waste exhaust carbon particles for thermal energy storage”, *Journal of Energy Storage*, 2025, <https://doi.org/10.1016/j.est.2024.115068>, Indexed in SCIE, Impact Factor: 8.9, Quartile: Q1
38. Borkakoti, S., Das, Biplab , Ahmad, A. and Irshad, K, “Performance analysis of cost-effective single-slope solar greenhouse dryer for drying of bay leaf (*Laurus nobilis*) and neem leaf (*Azadirachta indica*)”, *Case Studies in Thermal Engineering*, 2025, <https://doi.org/10.1016/j.csite.2025.106298>, Indexed in SCIE, Impact Factor: 6.4, Quartile: Q1
39. Gupta, A., Das, Biplab and Mondol, J.D, “Utilizing a novel method of sand-filled thermal energy storage system for performance enhancement in PVT solar dryer.”, *Solar Energy Materials and Solar Cells*, 2025, <https://doi.org/10.1016/j.solmat.2025.113450>, Indexed in SCIE, Impact Factor: 6.3, Quartile: Q1
40. Pandit, S., Das, D.C., Das, Biplab and Newar, P.P, “. Design and Implementation of a Low-Cost IoT-Based Real-Time Emission Monitoring System for a Thermoelectric Generator-Integrated Biomass Cookstove.”, *Journal of Energy Resources Technology, Part A: Sustainable and Renewable Energy*, 2025, <https://doi.org/10.1115/1.4067779>, Indexed in SCIE, Impact Factor: 2.6, Quartile: Q1
41. Jha, P., Das, Biplab, Gupta, R. and Kumar, N, “An experimental analysis of photovoltaic thermal collector with trapezoidal and plain plates: an energy, exergy, and life cycle assessment.”, *Applied Thermal Engineering*, 2025, Indexed in SCIE, Impact Factor: 6.1, Quartile: Q1
42. Panja, S.K., Das, Biplab and Mahesh, V, “Performance evaluation of a novel parabolic trough solar collector with nanofluids and porous inserts.”, *Applied Thermal Engineering*, 2025, <https://doi.org/10.1016/j.applthermaleng.2024.124495>, Indexed in SCIE, Impact Factor: 6.1, Quartile: Q1
43. Newar, P.P. and Das, Biplab, “Thermal exploration of combined rectangular and semi-circular artificial ribs in the flow regime of solar air heater: A computational and experimental approach”, *Journal of Solar Energy Engineering*, 2025, <https://doi.org/10.1115/1.4066843>, Indexed in SCIE, Impact Factor: 2.1, Quartile: Q2
44. Kumar, V., Das, Biplab and Gupta, R, “Performance enhancement of single slope solar still with sensible heat storage system: An experimental investigation under climatic conditions of Northeast India”, *Journal of Solar Energy Engineering*, 2025, <https://doi.org/10.1115/1.4067663>, Indexed in SCIE, Impact Factor: 2.1, Quartile: Q2
45. Kanth, S., Debbarma, S. and Das, Biplab “Experimental investigation of rice bran biodiesel with hydrogen enrichment in diesel engine”, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 2025, <https://doi.org/10.1080/15567036.2020.1854391>, Indexed in SCIE, Impact Factor: 2.3, Quartile: Q1
46. Nath, B., Biswas, A., Das, Biplab and Misra, R.D., “Design, optimization and analysis of a modified Savonius hydro-kinetic turbine (MSHT) with curved winglet and straight blade”, *Energy Conversion and Management*, 2024, <https://doi.org/10.1016/j.enconman.2024.118699>, Indexed in SCIE, Impact Factor: 9.9, Quartile: Q1
47. Panja, S.K., Das, Biplab and Mahesh, V., “Numerical study of parabolic trough solar collector’s thermo-hydraulic performance using CuO and Al₂O₃ nanofluids”, *Applied Thermal Engineering*, 2024, <https://doi.org/10.1016/j.applthermaleng.2024.123179>, Indexed in SCIE, Impact Factor: 6.1, Quartile: Q1



48. Singh, A.P., Gupta, A., Biswas, A. and Das, Biplab, "Experimental study of a novel photovoltaic-thermal-thermoelectric generator-based solar dryer for grapes drying.", *International Journal of Green Energy*, 2024, <https://doi.org/10.1080/15435075.2023.2244046>, Indexed in Scopus, Impact Factor: 3.1, Quartile: Q2
49. Gogoi, M., Das, Biplab, Handique, A. and Kalita, S., "Development and Characterization of Paraffin Wax Based Phase Change Material with Blacksmith Slag Snag", *Defect and Diffusion Forum*, 2024, <https://doi.org/10.4028/p-MAI2Eu>, Indexed in Scopus, Quartile: Q4
50. Chakraborty, O., Roy, S., Debnath, B.K., Negi, S., Rosen, M.A., Safari, S., Assad, M.E.H., Gupta, R. and Das, Biplab, "Energy, exergy, environment and techno-economic analysis of parabolic trough collector: A comprehensive review.", *Energy & Environment*, 2024, <https://doi.org/10.1177/0958305X231206507>, Indexed in Scopus, Impact Factor: 4, Quartile: Q2
51. Ranjan, A., Podder, B., Das, Biplab and Biswas, A., "Computational investigation of an innovative solar photovoltaic thermal collector with spiral shaped absorber using bifluid coolant.", *International Journal of Environmental Science and Technology*, 2024, <https://doi.org/10.1007/s13762-023-05088-0>, Indexed in SCIE, Impact Factor: 3, Quartile: Q1
52. Nath, B., Roy, S., Das, Biplab and Ehyaei, M.A., "Experimental and numerical study of a novel composite building wall U-value.", *Thermal Science and Engineering Progress*, 2024, <https://doi.org/10.1016/j.tsep.2024.102751>, Indexed in SCIE, Impact Factor: 5.1, Quartile: Q1
53. Chakraborty, O., Das, Biplab and Gupta, R., "Thermal performance evaluation of parabolic trough collector having different inserts and working with hybrid nanofluid.", *Thermal performance evaluation of parabolic trough collector having different inserts and working with hybrid nanofluid.*, 2024, <https://doi.org/10.1177/0958305X231156407>, Indexed in SCIE, Impact Factor: 4, Quartile: Q2
54. Chakraborty, O., Das, Biplab and Gupta, R., "Performance of parabolic trough solar collector with spinning star inserts in receiver tube with hybrid nanofluid", *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, 2024, <https://doi.org/10.1177/09544089231158507>, Indexed in SCIE, Impact Factor: 2.3, Quartile: Q2
55. Jha, P., Mondol, J.D., Das, Biplab and Gupta, R., "Energy metrics assessment of a photovoltaic thermal air collector (PVTAC): a comparison between flat and wavy collector.", *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 2024, <https://doi.org/10.1080/15567036.2020.1809563>, Indexed in SCIE, Impact Factor: 2.3, Quartile: Q2
56. Kumar L., Prakash O., Pandey V.K., Ahmad A. and Das Biplab, "Development of Finite-Element Model for Drying of Tomato Flakes under Passive Greenhouse Dryer: Experimental Validation and Optimization Potential.", *Energy Technology*, 2024, <https://doi.org/10.1002/ente.202300920>, Indexed in SCIE, Impact Factor: 3.6, Quartile: Q2
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9. Dutta U.K., Biswas A., Bhanja D (2025). "Recent Developments in the Modelling and Optimization of Solar Hybrid Polygeneration Systems." 6th International Conference on Recent Advancements in Mechanical Engineering, Organized by Department of Mechanical Engineering, NIT Silchar, Feb 28-Mar 2, 2025.
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c) Book/Chapter:

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1.6 Major Equipment Acquired

Sl. No.	Details	Lab	Year
1.	Flat Plate Collector 100 LPD	RTC Lab	2024
2.	Weighing Machine 20 Kg Capacity	RTC Lab	2024
3.	Starter for Pump Single Phase	RTC Lab	2024
4.	Honeywell make draft pressure transmitters model STD8010-E1AC4AS	Ocean Renewable Energy Lab	2024
5.	Peristaltic Pump Model RHP110S	BOILING HEAT TRANSFER Lab	2024
6.	MV 305 Digital Voltmeter	BOILING HEAT TRANSFER Lab	2024
7.	Rapid Moisture Tester	Manufacturing Lab	2025
8.	TG-DSC Sample carrier system	TGA-DSC Lab	2024
9.	Data logger for pressure transducer	Ocean Renewable Energy Lab	2024
10.	EZ1302CS NO-SENSOR	Advance Engine Research Lab	2025
11.	Designer Builder Software Version 7, Student Single User Annual License	Engine Research Lab	2025



1.7 Patent

Sl. No.	Details	Year
1.	A Savonius Hydro-Kinetic Turbine Assembly Inventors- Biswajit Nath, Agnimitra Biswas, Rahul Dev Misra, Biplab Das Indian Patent Application No. 202531013159A	2025
2.	Jet Impingement Technique-Based Solar-Thermal Air Collector System for Energy and Exergy Analysis and A Method Thereof. Inventors- Supreme Das , Agnimitra Biswas, Biplab Das South African Patent No. 2024/02815	2024
3.	Grafting of S-S disulfide bond on TiO ₂ nanoparticle for a self-healed, thermoformable, and fracture resistance epoxy nanocomposites and its method of preparation. Inventors: Sudipta Halder, Samit Roy, Anubhav Saikia, Lakshi Nandan Borah, Subhankar Das, Md Saruk Ahamed Patent application no. 202431030007	2024
4.	A System and Method For Multi Shell Wall Microcapsules. Inventors: Sudipta Halder, KHG Krishna Grant No. 556231	2024
5.	Mobile Intravenous Drips. Inventors- Ayush Singh Beruvar, Deoghare Ashish Bhalchandra, Sidda Lal Daya Saran Patent No. 201931011489	2024
6.	Development of composite materials for efficient electromagnetic interference (EMI) shielding Inventors -Papari Das, Ashish Bhalchandra Deoghare, Saikat R. Maity	2024
7.	Title: A MECHANISM OF 2PRP-PRR PLANAR PARALLEL MANIPULATOR AND A METHOD THEREOF. Inventors: Santhakumar Mohan, Yogesh Singh, Patent No. 4678/MUM/2015, Indian Patent,	2024
8.	Title: PLANAR PARALLEL MANIPULATOR USING SHAPE MEMORY ALLOY ACTUATION, Inventors: Deep Singh, Yogesh Singh, Manidipto Mukherjee, Dr. Alfa Bisoi Patent No: 202031003989, Indian patent	2024
9.	A DEVICE FOR EVALUATING THE QUALITY OF LUBRICATING OIL, AND A METHOD THEREOF. Inventor: Abhishek Paul, Divyansh Singh, Parthasarathi Deb, Kiran Sharma, Nidhi Rabisankar, Patent No: 202531044362, Indian patent.	2025
10.	Aqua survival kit with a dual purification system. Vishal Mishra, Sushant Negi, Debasish Bhattacharjee, Debashree Purkayastha, Soumitra Dey, Dwaipayan Deb, Yahya Khan, Aman Gupta, C G Prakash, Indian Patent (Design), Patent No.: 427603-001	2025
11.	3D Printer Head Unit for Metal Fiber Sushant Negi, Anup Kumar Sharma, Vishal Mishra, Ch Kapil Ror, Simanchal Kar	2024



12.	Landing Gear System for Aerial Vehicles Sushant Negi, Shubham Kumar Singh, Fhahmida Zahan Ferdoci, Vishal Mishra, Anup Kumar Sharma, Simanchal Kar Indian Patent (Design), Patent No.: 411857-001,	2024
13.	IOT Based Smart Swing Sushant Negi, Navya Ann Cherian, Vishal Mishra Indian Patent (Design), Patent No.: 414355-001	2024
14.	Device and method for manufacturing 3D printed post used continuous metal wire reinforced thermoplastic composite Sushant Negi, Vishal Mishra, Ch Kapil Ror, Simanchal Kar, Anup Kumar Sharma, Navya Ann Cherian Patent No: 202431064388	2024

1.8 Visits to Abroad

Sl. No.	Name of the Faculty	Name of the Conference/ Programme	Place	Date
1.	Dr. S. Bhowmik	IEEE Region 10 Conference 2024 (TENCON 2024)	Marina Bay Sands, Singapore	1 st – 4 th December 2024
2.	Dr. Y. Singh	14 th TSME International Conference on Mechanical Engineering 2024, Kasetsart University Sriracha, Chon Buri 20230	Thailand	10-13, January December 2024
3.	Dr. Sushant Negi	International Conference on Management, Engineering, Sciences & Humanities 2025 (MESH – 2025)	Bangkok, Thailand	23-26 March 2025.

1.9 M.Tech. (Project)

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis/Project
1.	Nobojyoti Chauhan	Dr. Sumit Bhowmik	“Electroless Ni-P coating of jute fiber for eco-friendly composite and evaluation of its properties”
2.	Jyotirmoy Deka	Dr Sudip Dey	“Random Behavior of 3D Printed Structures - A Digital Twin Approach”
3.	Ashimjyoti Chutia	Dr. Bipul Das	“Experimental and numerical investigation on solid state material deposition using friction stir additive manufacturing for developing bimetallic components,”
4.	Shafiul Prodhini	Dr. Abhishek Paul	“Production of Diesel-Like Fuels from Co-Pyrolysis of Polyethylene and Polypropylene: A Comprehensive Investigation,”



5.	Kalpaayan Bhattacharjee	Dr. Agnimitra Biswas	“Solar Resources Predetection using data driven meta models,”
6.	Subham Chetri	Dr. S. Debbarma	“An experimental investigation on CI engine performance, combustion and exhaust emissions using biodiesel-CNG dual fuel,”
7.	Amos Thounaojam	Dr. Yogesh Singh and Dr. Sunil Kumar D	“Surface Modification of DP780 Steel through Friction Stir Processing,”
8.	Suraj Dev	Dr. Rajeev Nayan Gupta and Dr. Simanchal Kar	“Evaluating TCP coated Al3105 fins: Electrochemical corrosion and crack evolution in NaCl solution,”
9.	Bibek Chakraborty	Dr. Sukumar Pati and Dr. Somnath Santra	“Exploring Hemodynamics and Species Transport in Stenosed Arteries: A Computational Framework for early Detection and Prevention of Atherosclerosis”
10.	Saruk Ahamed	Dr. Sudipta Halder	“Introducing self-healing capability and thermoformability in epoxy thermosets using soft phase and associative bond grafted nanofillers”
11.	Ayush Deb	Dr. Sudipta Halder & Dr. Pannalal Choudhry	“Thermoplasticity and self-healing in epoxy thermosets via reinforcing covalent adaptive network grafted carbon nanotubes”
12.	Nepram Suraj Kumar Singh	Dr. Purushottam Kumar Singh	“Exploring the optical characteristics of anti-reflective coating through simulation”
13.	Rose Rani Panging	Dr Gautam Choubey & Dr Bipalb Das	“Computational study of shock-induced mixing in an axisymmetric scramjet combustor”
14.	Lakhya Jyoti Bora	Dr. Dipankar Bhanja	“Weakly non-linear temporal instability analysis of viscous planar liquid sheet co-flowing with two viscous gas-streams in the presence of confinement considering initial varicose mode of disturbance”
15.	Ganesh Krishnan	Dr. Sushant Negi & Mr. Pramod Meena	“Noise Source Ranking Algorithm for Comprehensive Noise Analysis and Effective Genset Product Development”
16.	Pranjal Kalita	Prof. Promod Kumar Patowari & Mr. Kumaravel B.	Design for Improvement of Bogie Mounted Braking System for Freight Car.



1.10 Ph.D. Thesis

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis
1.	Kanak Chandra Sarma	Dr. Agnimitra Biswas Prof. Rahul Dev Misra	“Performance Improvement of Ultra-low head Two-stage Savonius Water Turbine using Experimental Approaches” Date of Defense: 23.10.2024
2.	Lakshi Nandan Borah	Dr. Sudipta Halder Dr. P Choudhury	“Developing delamination resistant CFRP using low-cost functionalized graphitic nanofiller,” Date of Defense: 06-11-2024
3.	Dr. Rutupurna Choudhury	Dr. Yogesh Singh	“Design, Development and Control of Three Degrees of Freedom Micro Motion Positioning Stages Using Smart Actuation Techniques,” Date of Defense: 29-04-2024
4.	Dr. Parthsarathi Deb	Dr. Abhishek Paul	A study on the Impact of Acetylene in CI Engine at advanced RCCI Combustion Strategies.” Date of Defense: 21-01-2025
5.	Alemu Workie Kebede	Prof. Promod Kumar Patowari Dr. Chinmaya Kumar Sahoo	“Experimental Investigation of micro-drilling processes using laser beam machining and micro-edm for AISI 304 steel and Ti Grade 2 alloy,” Date of Defense: 26-10-2024
6.	Jnanaranjan Acharya	Dr. Dipankar Bhanja Prof. Rahul Dev Misra	“Advancement in Firefighter Safety: A Novel Numerical Model for Predicting Thermal Damage and Establishing Safety Criteria,” Date of Defense: 07-03-2025.
7.	Jitendra Kumar	Dr. Sushant Negi	“Experimental Investigation and Characterization of 3D Printed Thermoplastic Composites Produced by Fused Filament Fabrication,” Date of Defense: 25.02.2025.
8.	Vishal Mishra	Dr. Sushant Negi Dr. Simanchal Kar	“A Experimental investigations on recycled polymeric composites developed by extrusion-based 3D printing process,” Date of Defense: 17.01.2025.
9.	Santosh Kumar	Dr. Sumit Bhowmik	“Development of naturally derived green composites: Characterization and design analysis of biomaterials for prosthetic limb application,” Date of defense: 12.06.2024



10.	Vijay Kumar Mahakur	Dr. Sumit Bhowmik Prof. P. K. Patowari	“Development of jute filler reinforced composite and evaluation of its mechanical and machinability behaviour”, Date of defense: 30.04.2024
11.	Binoy Kumar Baroi	Prof. P. K. Patowari Dr. Jagadish	“Machining and Surface Modification of Titanium Alloys using Powder Mixed EDM”, Date of Defense: 22.07.2024
12.	Mohd Anis Ansari	Dr. Alfa Bisoi Dr. Agnimitra Biswas	“Fabrication and study of magneto-rheological fluid damper for vibration attenuation in rotor dynamic systems” Date of Defense: 14.04.2025.

1. Name of the Department:

Electrical Engineering



The Department at a glance	
Year of Establishment: 1977	
Academic Programmes Offered:	
• Bachelor of Technology (B. Tech) • Master of Technology (M. Tech) • Doctor of Philosophy (Ph. D.)	
Total Faculty Strength: 33	
• Professor: 07 • Associate Professor: 03 • Assistant Professor: 23	
Total Student Strength:	
• B. Tech: 619 • M.Tech: 21 • Ph. D: 97	
New Students Joined in 2024-2025:	
• B. Tech: 165 • M.Tech: 14 • Ph.D.: 11	

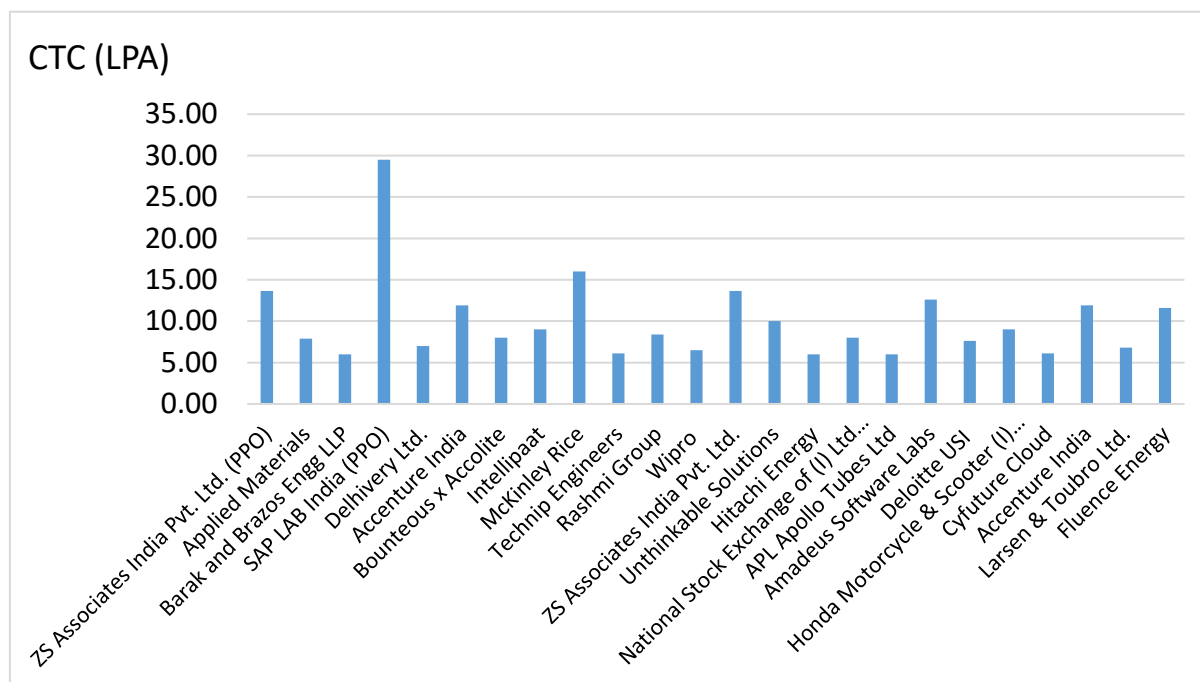


Fig: Placement statistics of students in the Electrical Engineering Department during 2024-2025

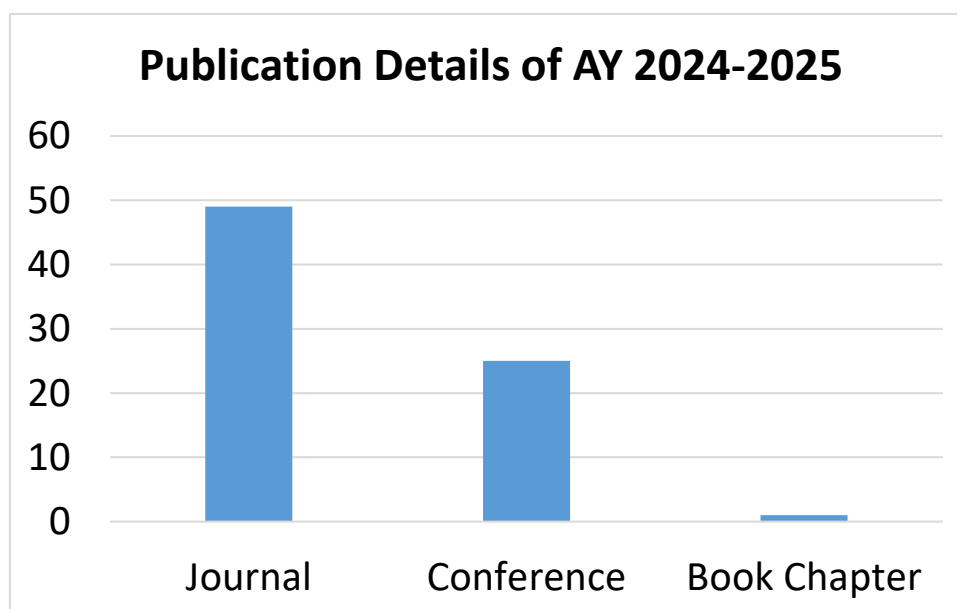


Fig: Publication details of Electrical Engineering Department during 2024-2025



1.1 Academic Staff:

HEAD of the Department: Prof. Arup Kumar Goswami, Professor and
Dr. Tanmoy Malakar, Associate Professor (w.e.f. 6th Sept. '24).

Name of Faculty members:

Professor	Associate Professor	Assistant Professor
Prof. Nidul Sinha	Dr. Tanmoy Malakar	Dr. Chayan Bhattacharjee
Prof. Binoy Krishna Roy	Dr. Dulal Chandra Das	Dr. Prasant Roy
Prof. Saurabh Chaudhury	Dr. Rajeeb Dey	Dr. Raj Kumar Biswas
Prof. N. B. Dev Choudhury		Dr. Saheli Roy
Prof. Arup Kumar Goswami		Dr. Amritesh Kumar
Prof. Lalit Chandra Saikia		Dr. D. Koteswara Raju
Prof. Jyoti Prakash Mishra		Dr. Partha Kayal
		Dr. Nabanita Adhikary
		Dr. Tapan Pradhan
		Dr. Avadth Pati
		Dr. Jiwanjot Singh
		Dr. Asha Rani M. A.
		Dr. Sreejith.S
		Dr. Swapna Mansani
		Dr. Risha Mal
		Dr. Ashish Paramane
		Dr. Sreenu Sreekumar
		Dr. Ambrish Devanshu
		Dr. Mallikarjuna Balimidi
		Dr. Vivekanandan S
		Dr. Biswarup Ganguly
		Dr. Debayan Sarkar
		Dr. Biswajit Sahoo



1.2 Distinction Achieved

- **By Student:**

1. Subhradeep Deb (Roll No. 2113011) secured an All-India Rank (AIR) of 172 in the GATE examination for the year 2025.
2. Meeran Kakati (Roll No. 2413005) won 2 Gold, 1 Silver, and 2 Bronze medals in the Inter-NIT Swimming Competition.
3. Meeran Kakati secured the Fifth Position in the All-Assam Quiz, conducted by the Jorhat Quiz Forum, and received a cash prize of ₹1000.
4. Jay Vishwakarma completed individual projects including a Self-Balancing Bot, a Cyberdeck (Minicomputer), and an Arduino Radar.
5. Jay Vishwakarma undertook an internship at Nephrocare India (in collaboration with NIT Silchar) on a Kidney Dialysis project under the guidance of Dr. Koushik Guha.
6. Jay Vishwakarma received the honor of performing Drone Flag Hosting on Independence Day, where he designed and built the flag unfurling mechanism, under the mentorship of Dr. Wasim Arif.
7. Kirtiman Talukdar (2413022) published a research paper in SSRN named Impact of Neurocognitive Training on Cognitive Flexibility: A Data Driven Study on College Students



1.3 SEMINARS, SYMPOSIA, SHORT TERM COURSES, WORKSHOPS

a) Conducted by Faculty Member:

Sl. No.	Name of the Faculty	Title	Funding Agency	Duration
1	Amritesh Kumar	Co-ordinator of IEEE IAS sponsored one week online workshop on “Leveraging Technology for Fostering Entrepreneurship, Higher Studies and Career Opportunities for Young Engineers” organized by the Department of Electrical Engineering, National Institute of Technology Silchar	Association with Institution Innovation Council IIC 7.0 jointly with IEEE IAS	5 Days (13/11/2025 to 17/11/2025)
		Co-coordinator from India side of Indo-Bhutan India Friendship workshop on “Applications of Artificial Intelligence in Renewable Energy Integration, EV charging, and Grid Modernization infused with Gross National Happiness Values, Organizing Institutions: Jigme Namgyal Engineering College, Dewathang, Samdrupjongkhar, Bhutan, National Institute of Technology Silchar, India, and College of Science and Technology (CST), Phuentsholing, Bhutan	Indo-Bhutan India Friendship	(4 Days) 18/10/2024 to 21/10/2024
		Organized on IEEE Day Celebrations day technical Talk on "Leveraging Technology for a Better Tomorrow" by Mr. Amit Kumar, Superintending Engineer (Electronics), INFOCOM Services, Assam Arakan Fold Belt (AAFB) Exploratory Asset, ONGC, Silchar organized by at National Institute of Technology Silchar, Assam	IEEE Silchar Subsection jointly with IEEE Industry Applications Society (IAS) Joint Chapter of Silchar Subsection	04-10-2024
		Organized Technical Talk on " GaN FET – based High-Density Power Converters " by Dr. Harish Sarma Krishnamurthy, Associate professor of the Department of Electrical and Computer Engineering at the University of Houston, Texas, USA organized by and Department of Electrical Engineering, National Institute of Technology Silchar.	IEEE Industry Applications Society (IAS) Joint Chapter of Silchar Subsection	25-10-2024
2	Sreenu Sreekumar	Five-Day Technical Training on “The Professional and Technical Upgradation of Newly Recruited Technicians of Electrical Engineering Department.	EE department, NIT Silchar	2024



		Co-coordinator from India side of Indo-Bhutan India Friendship workshop on “Applications of Artificial Intelligence in Renewable Energy Integration, EV charging, and Grid Modernization infused with Gross National Happiness Values, Organizing Institutions: Jigme Namgyal Engineering College, Dewathang, Samdrupjongkhar, Bhutan, National Institute of Technology Silchar, India, and College of Science and Technology (CST), Phuentsholing, Bhutan	Indo-Bhutan India Friendship	(4 Days) 18/10/2024 to 21/10/2024
		3. 4th International Conference on Modeling, Simulation and Optimization 2024 (Publicity Co-Chair)	IEEE	2024
		4. International Conference on Deep Learning and Visual Artificial Intelligence (ICDLAI-2024) (Program Committee Member)	IEEE	2024
3	Debayan Sarkar	Coordinator, One Week Online Faculty Development Program (SETGM-2024) on Sustainable Energy Technology and Green Mobility: Present Status and Future Prospects,	NIT Silchar	(5 Days) 11-09-2024 to 16-09-2024

b) Participated by Faculty Member:

Sl. No.	Name of the Faculty	Details of the Program	Organizing Institute	Duration
1	C. Bhattacharjee	Stability and Protection of Renewable Dominated Power Grids	CCE, IISc, Bangalore	06-09 January, 2025
2	Prasanta Roy	Recent Developments in Wind Energy Technology	EE Department, NIT Silchar	22-24 Nov, 2024



3	Amritesh Kumar	1. 3-Day workshop on “Recent Development in Wind Energy Technology” organized by the Department of Electrical Engineering, National Institute of Technology Silchar sponsored by SPARC, MoE, Government of India (22-24 November, 2024) 2. Participated in One Week Online Faculty Development Program on “Sustainable Energy Technology and Green Mobility: Present Status and Future Prospects” organized by the Electrical Engineering Department National Institute of Technology Silchar Assam during 11th -16th Sept. 2024 3. Participated in workshop titled " Applications of Artificial Intelligence in Renewable Energy, EV Charging, and Grid Modernization infused with Gross National Happiness Values " organized by Dept. of Electrical Engineering, Jigme Namgyel Engineering College (JNEC), Bhutan in offline mode during 18th - 21-Oct-2024 4. Online FDP on “Sustainable Energy Technologies and Green Mobility: Present Status and Future Prospects (SETGM) 2024” held in Sept 12-16, 2024 at Department of Electrical Engineering NIT Silchar, India		
4	Sreenu Sreekumar	Participated in workshop titled " Applications of Artificial Intelligence in Renewable Energy, EV Charging, and Grid Modernization infused with Gross National Happiness Values " organized by Dept. of Electrical Engineering, Jigme Namgyel Engineering College (JNEC), Bhutan in offline mode during 18th - 21st Oct 2024	JNEC, Bhutan	Oct. 2024
5	Biswarup Ganguly	Participated in Industry- Academy Training Program on Embedded System on June- July 2024	Global Logic	3 Weeks
6	Debayan Sarkar	Participated in 3 Days SPARC Workshop on “Recent Developments in Wind Energy Technology”	NIT Silchar	Nov. 22-24, 2024

1.4 Research Development

a) Ph.D. Programme (Specializations):

1. Power System Analysis and Optimization, Renewable Energy Sources
2. Non-Conventional Energy, Application of soft computing techniques in control and Operation of non-conventional energy-based hybrid power system
3. Smart grid, Power Quality, Power system Reliability, Renewable energy sources
4. Cogeneration Management, Application of Big Data in Power system
5. Micro-grid, Renewable energy integration in competitive power markets, FACTS device Transmission system planning
6. Renewable energy system (Wind, SPV, Hybrid) Control; Microgrid Control (Power Quality and Management issues); Applications of Custom Power Devices; Electric Vehicles; Electric Drives control
7. Smart grid, Reliability of power system, cost allocation, Deregulated power System, use of artificial intelligence in power system, Economics of power System
8. Control Theory, Application of control in biomedical application Time-delay system and control, Robust Control
9. Control System, Nonlinear Control, adaptive control, Fractional order control
10. Low power VLSI, Image Processing, CNT & Nanowires Compound Semiconductors



b) Ph.D. Produced/Ongoing (in number):

Completed	Submitted	Ongoing
14	11	72

c) Research Lab/ Workshop:

Sl. No.	Name of Lab/ Workshop	Purpose/ Linkage to an existing/ new programme
1.	Basic Electrical Engineering Lab	UG B. Tech Program (All branch)
2.	Circuit Theory Lab	B. Tech in Electrical Engineering
3.	Electrical Measurement Lab	B. Tech in Electrical Engineering
4.	Analog and Digital Electronics Lab	B. Tech in Electrical Engineering
5.	Signal Processing Lab	B. Tech in Electrical Engineering
6.	Micro-Processor Lab	B. Tech in Electrical Engineering
7.	Electrical Machine Lab	B. Tech in Electrical Engineering
8.	Power Systems Lab	B. Tech in Electrical Engineering and M. Tech in Power and Energy Systems, PhD
9.	Control Systems Lab	B. Tech in Electrical Engineering
10.	Advanced Control Systems Lab	B. Tech in Electrical Engineering and M. Tech in Control and Industrial Automation, PhD
11.	Power Electronics Lab	B. Tech in Electrical Engineering
12.	Process Control lab	M.Tech in Control and Industrial Automation, PhD
13.	Sophisticated Wind Energy Conversion Laboratory	M. Tech. in Power and Energy Systems Engineering, Ph.D.
14.	Bio-Energy and Biomass Lab	M. Tech. (Power and Energy Systems Engineering), Ph.D.
15.	UG Project Lab	UG Project work. To promote hardware projects for the final year B. Tech Projects.
16.	Embedded System Lab	M.Tech in Control and Industrial Automation, PhD
17.	Power and Energy Systems Relay Lab	B. Tech in Electrical Engineering and M.Tech in Control and Industrial Automation, PhD



18.	PC Laboratory	UG, PG and PhD
19.	Biomedical Signal Processing Lab	B. Tech in Electrical Engineering
20.	Advance Power Electronics and Control Lab	M. Tech. (Power and Energy Systems Engineering), Ph.D.
21.	Energy Lab	M.Tech in Power and Energy Systems, PhD
22.	Real Time Simulation Lab	B. Tech in Electrical Engineering and M. Tech in Power and Energy Systems, PhD
23.	Power Electronics and Drives Lab	M. Tech. Power Electronics and Drives, Ph.D.

d) Ongoing/ Completed Sponsored Research Project:

Sl. No.	Project Title	Duration	Funding Agency	Amount (in Rupees)	Principal Investigator(s)	Remarks
1	Sustainable Energy Systems for Achieving Novel Carbon Neutral Energy Communities - "SUSTENANCE"	4 Yrs	DST (Indo-EU)	14,24,720.00	PI: Asha Rani M. A	Total Amount: 12700000; DOS: 30-07-2021
2	Design and development of an AUV for pisciculture and ROV for water quality assessment and bathymetric analysis	3	MOU	13,88,667.00	Prof. B. K. Roy	Total Amount: 4166000
3	Robust Control of Biochemical Oxygen Demand and Ammonium Ion Concentration in Wastewater Treatment Plant using Quantitative Feedback Theory-based Controller with Prototype Building	3 Yrs	SERB	7,60,936.00	Dr. Prasanta Roy	Total Amount: 2282808 DOS: 03-03-2023
4	Development of fast fault detection location estimation scheme for low voltage DC micro grid	3 Yrs	ANRF	62,74,080.00	Dr. Sahoo	Total Amount: 6274080; DOS: 25-07-2025
5	A Combined Control Strategy for Interior-Type Permanent Magnet Synchronous Generator Based Direct -Drive Wind Energy Conversion System	2 years	SPARC	49,79,168.00	Prof. L. C. Saikia	Total Amount: 7469561; DOS: 28-07-2023



6	Prototype Development of Low-Voltage Alternators with Improved Efficiency and Life Expectancy Using Tailored Polyester Resin Nanocomposite Insulation	2 years	Science and Engineering Research Board	31,51,500.00	Dr. Ashish Sharad Paramane	Total Amount: 3151500; DOS: 20-11-2023
			Total :	1,79,79,071.00		

e) Research Paper Reviewed

Sl. No.	Name of the Faculty	Research paper Reviewed	No of papers	Year
1	Saurabh Chaudhury	IETE Journal of Research, World Scientific Journal of Circuits, Systems and Computers, IEEE Journal of Biomedical Engineering, Measurement, Elsevier, IEEE Image Processing	5	2024-2025
2	Rajeeb Dey	Papers Reviewed for IEEE Transaction for Power System, Journal of Franklin Institute, IEEE Transaction for Fuzzy Systems, IEEE Systems Journal, Int Journal of Robust and Nonlinear Control, Automatica	7	2024-2025
3	Amrithesh Kumar	IEEE Transactions on Industrial Informatics, Arabian Journal for Science and Engineering, Electric Power Systems Research, Solar Energy	5	2024-2025
4	Ashish Paramane	IEEE Transactions on Dielectrics and Electrical Insulation, IEEE Transactions on Power Electronics, IEEE Transactions on Power Delivery, IEEE Transactions on Industrial Informatics, IEEE Journal of Emerging and Selected Topics in Power Electronics (JESTPE), ACS Applied Materials & Interfaces Polymer Degradation and Stability, ACS Applied Polymer Materials	20	2024-2025
5	Sreenu Sreekumar	IEEE Transactions on Sustainable Energy, IEEE Transactions on Cybernetics, IEEE Transactions on Industrial Informatics, Applied Energy, Expert Systems with Applications, Computers & Electrical Engineering, Energy, Energy and Buildings, Electric Power System Research, Sustainable Computing: Informatics and Systems, Renewable Energy, Journal of Cleaner Production, Engineering Applications of Artificial Intelligence, Electric Power Components and Systems, Sustainable Energy, Grids and Networks, Journal of Environmental Management, Frontiers in Energy Research, Results in Engineering, Global Energy Interconnection, Electrical Engineering, Computers & Electrical Engineering, International Journal of Electrical Power & Energy Systems	101	2024-2025



6	Balimidi Mallikarjuna	IEEE Transactions on Instrumentation & Measurement, IET Generation, Transmission & Distribution, Electric Power Components and Systems, IEEE Transactions on Systems, Man and Cybernetics: Systems, IEEE Transactions on Industrial Informatics, Electrical Engineering, Sustainable Energy Research, Scientific Reports, Smart Grids and Sustainable Energy, International Journal of Emerging Electric Power Systems	12	2024-2025
7	Vivekanandan S	Australian Journal of Electrical and Electronics Engineering, Journal of King Saud Engineering Science, Sadana,	13	2024-2025
8	Biswarup Ganguly	IEEE Transactions on Industrial Informatics, IEEE Sensors Letters, Measurement, Signal, Image & Video Processing, Computer Methods in Biomechanics and Biomedical Engineering	13	2024-2025
9	Debayan Sarkar	Solar Energy, Heliyon, Electrical Engineering, Scientific Reports, Bulletin of Electrical Engineering and Informatics, Discover Applied Sciences, International Journal of Power Electronics and Drive Systems	10	2024-2025

f) Chairing of the Technical Section

Sl. No.	Name of the Faculty	Details
1	Saurabh Chaudhury	Session Chair in the 1st IEEE NE-IECCE International Conference held at EED, NIT Silchar
2	Prasanta Roy	4th International Conference on Emerging Electronics and Automation, EIE Department, NIT Silchar 9-11 Dec, 2024
3	Ashish Paramane	Session Chair at 2024 International Conference on the Properties and Applications of Dielectric Materials (ICPADM), Phuket, Thailand
4	Sreenu Sreekumar	- Session Chair: 1st IEEE International Conference on Green Industrial Electronics and Sustainable Technologies (GIEST-2024), NIT Manipur - Session Chair: 1st International Conference on Sustainable Power and Energy 2024, JP Jindal University
5	Vivekanandan S	Track Chair "IEEE ECCE 2025 Conference" in Packaging and IP Modelling.
6	Biswarup Ganguly	- Chaired the technical Session "Communication Systems, VLSI and Embedded Systems" at the 3rd IEEE International Conference on Industrial Electronics: Developments & Applications (ICIDeA 2025), held at KIIT Deemed to be University, Bhubaneswar, India, on February 21-22, 2025. - Chaired the technical Session "Signal & Image Processing" at the 4th International Conference on Emerging Electronics & Automation (E2A) 2024 held at NIT Silchar, Assam, India on December 9- 11, 2024.
7	Debayan Sarkar	2025 IEEE NE-IECCE, NIT Silchar, Assam, July 04–06, 2025. 4th International Conference on Emerging Electronics and Automation (E2A-2024), NIT Silchar, Dec 09–11, 2024.

1.5 PUBLICATION

a) Journal(s):

- Piyush P Singh, Manashita Borah, Asim Datta, Sajad Jafari, Binoy K Roy, "Integer cum fractional ordered active-adaptive synchronization to control vasospasm in chaotic blood vessels to reduce risk of COVID-19 infections", International Journal of Computer Mathematics, Volume 102, Issue 1, 3, 2025, <https://doi.org/10.1080/00207160.2022.2163167>



2. Ankit Tiwari, Binoy Krishna Roy, “*Signatures of Routes to Chaos*”, International Journal of Bifurcation and Chaos, 2025, Indexed in SCI
3. Shilalipi Sahoo, Tanmoy Malakar, Binoy Krishna Roy, “*A generalized approach to maximize the complexity of a chaotic system and its application*”, International Journal of Dynamics and Control, Volume 13, 2025, Indexed in SCI
4. Inamul Hussain, Saurabh Chaudhury, “CNFET-Based Energy-Efficient 4: 2 Compressor for Multiplier Applications”, Journal of Circuits, Systems and Computers, 2550067, 2025
5. AK Singh, DK Tiwari, NBD Choudhury, J Singh, “Efficient Peak Current Limit Strategy and Active Power Oscillation Reduction in a Three-Phase Grid-Interfaced PV-Battery System (GIPVBS) with Low Voltage Ride-Through Control”, Arabian Journal for Science and Engineering, Volume 50, Issue 8, 5921-5943, April, 2025, <https://doi.org/10.1007/s13369-024-09625-y>, Indexed in SCIE, Quartile: Q1
6. Nirban Chakraborty, Nalin B Dev Choudhury, and Prashant Kumar Tiwari, “Impacts of reconfigurable scheduling on the economic section of power distribution and transmission in a day ahead electricity market”, Electric Power Systems Research, Volume 238, January, 2025, <https://doi.org/10.1016/j.epsr.2024.111160>, Indexed in SCIE, Impact Factor: 1.03, Quartile: Q1
7. M. M. Jaganath, S. Ray & N. B. D. Choudhury, “Optimal placement of wind turbines: a techno-economic analysis using real-time wind speed data and metaheuristic algorithms”, International Journal of Energy and Water Resources, 1-22, February, 2025, <https://doi.org/10.1007/s42108-025-00344-0>
8. Bijaya Kumar Das, Subhasish Deb, Arup Kumar Goswami, Ahmed Al Mansur, Taha Selim Ustun, “Congestion management in distribution system integrating plug-in electric vehicles: A review”, Energy Exploration & Exploitation, July, 2025, <https://doi.org/10.1177/01445987251348673>, Indexed in SCIE, Impact Factor: 0.470, Quartile: Q2
9. Tirunagaru V Sarathkumar, Arup Kumar Goswami, Umit Cali, Taha Selim Ustun, “Wind Power Forecasting and Economics of Energy Arbitrage in the Electricity Market using Machine Learning Techniques”, Discover Sustainability, 2025, Indexed in E-SCI, Impact Factor: 3, Quartile: Q1
10. Kumari Nutan Singh, Arup Kumar Goswami, Nalin Behari Dev Chudhury, Umit Cali, Taha Selim Ustun, “Enhancing Cybersecurity in Virtual Power Plants by Detecting Network Based Cyber Attacks Using an Unsupervised Autoencoder Approach”, Scientific Reports, 2025, Indexed in SCIE, Impact Factor: 0.7, Quartile: Q1
11. Kumari Nutan Singh, Arup Kumar Goswami, Nalin Behari Dev Chudhury, Umit Cali, Taha Selim Ustun, “A risk-aware bidding model for virtual power plants: Integrating renewable energy forecasting and carbon market strategies”, Energy Reports, Volume 14, Pages 1222-1239, December, 2025, <https://doi.org/10.1016/j.egyr.2025.07.032>, Indexed in SCI, Impact Factor: 5.1
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b) International Conference(s):

1. B. K. Paul, B. K. Roy CFD-based performance analysis of a new fish-shaped autonomous underwater vehicle. International Conference on Computational Mathematics and Applications (ICCMA 2025) Accepted, 2025
2. Rahash Nathasarma, Ankit Tiwari, Shilalipi Sahoo, Binoy Krishna Roy A new observer-based non-singular integral terminal sliding mode control for a second-order chaotic system 2024 Tenth Indian Control Conference (ICC-10) Accepted, 2024
3. R. Nathasarma, B. Mazumdar, B. K. Roy YOLOv8-based Real Time Fish Detection and Classification using Indigenous Bangladesh Fish and its Comparison 2024 IEEE SILCHAR SUBSECTION CONFERENCE (SILCON 2024) Accepted, 2024
4. Debasis Kumar Patel, Swapna Mansani, and A.Kr. Goswami, "Active load flow analysis for balanced distribution system", IEEE 4th International Conference on Sustainable Energy and Future Electric transportation (SEFET), Hyderabad, 31st July 2024 to 3rd August 2024
5. K. Dangeti, S. M. Padmaja and A.Kr. Goswami, "Small Signal Modelling and Analysis of an Improved Hybrid Switched Inductor Based Boost Converter," 2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), Hyderabad, India, 2024, pp. 1-6, doi: 10.1109/SEFET61574.2024.10717935
6. Hassan, A.Kr. Goswami, A. Pati and B. Sticka, "A Frequency Locked-Loop with Reduced Tuning Complexity for Single-Phase Grid-Tied System with Inherent DC-Offset Rejection Capability," 2024 IEEE 4th International Conference on Sustainable Energy and Future E

7. K. Dangeti, S. M. Padmaja and A. Kumar, "Small Signal Modelling and Analysis of an Improved Hybrid Switched Inductor Based Boost Converter," 2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), Hyderabad, India, 2024, pp. 1-6, doi: 10.1109/SEFET61574.2024.10717935
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9. P. K. Saurav, S. Mansani, and P. Kayal, "Allocation of PV, Wind, and Biomass Units with the Multi-Objective Approach in an Unbalanced Power Delivery Network Considering Load and Power Generation Uncertainty," 2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), 31 July 2024 – 03 August 2024, Hyderabad, India, pp. 1-6, 2024. DOI: 10.1109/SEFET61574.2024.10718009
10. I. Pappu Kumar Saurav, Swapna Mansani, Partha Kayal, "A Simplified Multi-objective Technique for Placement of RESs and Capacitor Banks in Unbalanced Radial Distribution Network" 2024 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES), NITK Surathkal, India, 18-21 December 2024
11. Hassan, A. Kumar, A. Pati and B. Stickan, "A Frequency Locked-Loop with Reduced Tuning Complexity for Single-Phase Grid-Tied System with Inherent DC-Offset Rejection Capability," 2024 IEEE 4th International Conference on Sustainable Energy and Future E
12. Pydi Krishna, Asha Rani M. A., "Effect of HFM in Effective Minimization of Losses in Grid Integrated DFigs", 2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET).
13. Akkenaguntla Karthik, Chakkarapani M, and Asha Rani M. A., "Row Shifted PV Array Configuration Technique to Reduce Partial and Mutual Shading Effect in Existing PV Array", 2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET).
14. Asha. M, S. Sreejith, V. Subburaj and S. Saahithi, "A Novel Asymmetric 17 L Switched Capacitor Inverter without Power Conversion Circuits," 2024 IEEE International Conference on Smart Power Control and Renewable Energy (ICSPCRE), Rourkela, India, 2024, pp. 1-5, doi: 10.1109/ICSPCRE62303.2024.10675136
15. Pappu Kumar Saurav, Swapna Mansani, Partha Kayal, "A Simplified Multi-objective Technique for Placement of RESs and Capacitor Banks in Unbalanced Radial Distribution Network" 2024 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES), NITK Surathkal, India, 18-21 December 2024.
16. Vahini Komanapalli, Swapna Mansani, Santoshkumar Hampannavar, Deepa B, "Techno-Economic Feasibility Assessment of Hybrid Renewable System in Barak Valley, Northeastern State of India", International conference on 'Climate Change and Environmental Sustainability in Mountainous and Hilly Landscapes' on Sep 30 – Oct 1, Assam University, India, 2024.
17. Debasis Kumar Patel, Swapna Mansani, and Arup Kumar Goswami, "Active load flow analysis for balanced distribution system", IEEE 4th International Conference on Sustainable Energy and Future Electric transportation (SEFET), Hyderabad, 31st July 2024 to 3rd August 2024.
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19. H. Vijapuram, Harathi A, G. N. Bhargavi, C. Singh, and S. Sreekumar, "The Impact Analysis of Different Activation Functions on CNN-based Reduced OPF". IEEE 11th Power India International Conference (PIICON-2024), Jaipur, India (Accepted).
20. E. R. Rohith, M. Sreenidhi, and S. S. Afreen, C. Singh, and S. Sreekumar, "Power System Inertia Forecasting Using a Hybrid Deep Learning Model". IEEE 11th Power India International Conference (PIICON-2024), Jaipur, India (Accepted).



21. B. Nath, M. Das, B. Dey, and S. Sreekumar, "Detection and Classification of Transmission Line Faults Using a Hybrid Model", IEEE 5th International Conference on Electrical, Computer, and Energy Technologies (ICECET 2025), Paris, France
22. K. K. Dutta, A. Devanshu and S. Allamsetty, "Scalar-controlled three-phase induction motor drive using FPGA-based WAVECT controller," 2024 3rd International Conference on Power Electronics and IoT Applications in Renewable Energy and its Control (PARC), Mathura, India, 2024, pp. 264-268, doi: 10.1109/PARC59193.2024.10486589.
23. K. K. Dutta, A. Devanshu and S. Allamsetty, "Scalar-controlled three-phase induction motor drive using FPGA-based WAVECT controller," 2024 3rd International Conference on Power Electronics and IoT Applications in Renewable Energy and its Control (PARC), Mathura, India, 2024, pp. 264-268, doi: 10.1109/PARC59193.2024.10486589.
24. Balimidi Mallikarjuna, Gopakumar Pathirikkat, Kishan Dharavath, "Taxonomy of Fault Analysis Methods for Protection of Transmission Lines" 2024 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2024), 18 – 21 December 2024, National Institute of Technology Karnataka, Surathkal, India (Accepted)
25. Dharavath Kishan, Mallikarjuna Balimidi, Md Waseem Ahmad "Design of a Multi-Mode DC-DC Converter for High-Power Wireless Charging of Electric Vehicles" 2024 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2024), 18 – 21 December 2024, National Institute of Technology Karnataka, Surathkal, India (Accepted)

c) Book/Chapter:

1. Kumar, K, Ambrish Devanshu, Subrata Banerjee, Lairenlakpam Robindro, Sheldon S. Williamson, (Eds.) (Aug-2025) Recent Advances and Emerging Technologies in Multi-Level Inverters, River Publishers (IEEE xplore).

1.6 MAJOR EQUIPMENT ACQUIRED:

APEC Lab

1. WAVE FPGA based Controller WCU300
2. Multifunction Machine Xerox Work center 3335
3. Chroma 62050H-450 Programmable DC Power Supply
4. Chroma 63205E-600-350 DC Electronic Load
5. SIC MOSFET based DC-DC converter
6. NHR 9410 Grid Simulator
7. DC programmable Source ITECH 1800W 200V/60A IT6513 C

Biomedical Instrumentation Lab

8. Qanser- Robotics Arm Qarm USB
9. Quanser Omni-Haptics and Robotics Bundle

Power Electronics system research lab

10. Configurable PV connected, grid connected Inverter 3-Phase
11. Discovery bit
12. Launchpad 2000MHz Delfino C2000
13. Controller board SOC FPGA bit Make Digital
14. Soldering and De-soldering smd station Make-YIHUA
15. PCB Machine and Desktop Coupler Make Robofi, Model Robo CNC
16. 100MHz, 4 Channel MSO MSO5104.



1.7 PATENT:

1. Chayan Bhattacharjee and Pawan Kumar Kushwaha, “A System for Tracking Nutrients in Agricultural Water and a Method”, Indian Patent, 2025, Patent No.: 561824
2. Amritesh Kumar, Avadh Pati, Anem Veera Venkata Nagaphanindra, Anand Prakash Panchbhair, Joyshankar Bhattacharjee, Ganesh Chilakalapudi, Alankrita “A Dual Active Bridge Based Fast Charging System for Electric Vehicles” Indian Patent, 2025. Patent No.: 567247
3. S Chaudary, Ripplet-SVR: A Novel Approach for No Reference Image Quality Assessment using the Ripplet-II Transform and SVR, German Patent, 2025, Patent Registration ID: 20 2025 100 656.
4. Sreenu Sreekumar, “A Novel VI-Shaped Rotor for an Interior Permanent Magnet Motor”, 2025, Patent Number: 202531029109A.

1.8 VISITS TO ABROAD

Name of the Faculty	Aboard Visit	Year
Rajeeb Dey	Keynote Speaker at Int Con. on Computer, Control and Communication at University of Oradea Romania Nov. 2024.	2024 (November)
Ashish Paramane	2024 International Conference on the Properties and Applications of Dielectric Materials (ICPADM), Phuket, Thailand	2024 (August)
Sreenu Sreekumar	India Bhutan Friendship workshop: Applications of Artificial Intelligence in Renewable Energy Integration, EV charging, and Grid Modernisation infused with Gross National Happiness Values, Organising Institutions, JNEC Bhutan	2024 (October)

1.9 M.Tech. (Thesis/Project)

Scholar ID	Name	Supervisor and Co - supervisor (if any)	Thesis Title
2323101	Prachurjya Dutta (Self Spons.)	Dr. Nabanita Adhikary	Sliding Mode Controller for Rotary Inverted Pendulum: Design, Analysis, and Experimental Evaluation
2223102	Sandip Biswas (Sponsored Part-Time)	Prof. Binoy Krishna Roy	Software defined networking control for latency and traffic optimization in a cloud based judicial information management system using edge computing
2323201	Tutumoni Baruah	Dr. Mallikarjuna Balimidi	DESIGN AND IMPLEMENTATION OF MULTI-FUNCTIONAL NUMERICAL RELAY FOR PROTECTING GRID - CONNECTED PV SYSTEM
2323202	Solemni Hungyo (Self Spons.)	Dr. Ambrish Devanshu	Sensorless RF-MRAS Based Speed Estimation Technique for Field Oriented Control of Induction Motor Drives



2323203	Chabungbam Sheetal (Self Spons.)	Dr. Ashish Paramane	Degradation Mechanisms in ZnO-Reinforced RTV Silicone Rubber: Acid Aging and Pyrolysis Performance
2323204	Kakula Khumukchamba (Self Spons.)	Dr. Vivekanandan S.	Design and Analysis of a Transformerless Symmetric Switched-Capacitor Multilevel Inverter for Single-Phase Applications
2223206	Bipon Kumar Sinha(Part time)	Dr. Asha Rani M.A.	Design Development and Implementation of Microgrid for Localized Energy Management system in Borakhai Village

1.10 Ph.D. Thesis

Scholar ID	NAME	Guide Name	THESIS TITLE
19-3-03-121	Mr. Hillol Phukan	Dr. Avadh Pati, Dr. Jiwanjot Singh	Design and Analysis of Fault-Tolerant Operation in Modified Multilevel Inverter Topologies
19-3-03-135	Mr. Jayanta Kumar Kar	Prof. Saurabh Chaudhury, DR. Ruma Rano	DFT-Based Study and Analysis on Some High-K Dielectric Materials and their Application in Nanoelectronic Devices
19-3-03-108	Mr. Nirban Chakraborty	Dr. Nalin Behari Dev Choudhury, Dr. Prashant Kumar Tiwari	Profit Maximization and Allocation of Profits to the Market Participants using Optimal Allocation of the Renewables in Deregulated Electricity Market
18-3-03-113	Mr. Ashish A. Dongre,	Prof. Jyoti Prakash Mishra	Investigation on Six-Switch and Nine-Switch Multi-functional Power Converters for Power Quality Improvement in Grid Interactive PV System
19-3-03-118	Mr. Ravi Ranjan	Dr. Amritesh Kumar	Modeling and Hierarchical Coordinated Control Approach for Parallel Operated DC-DC Converters in a DC Microgrid
19-3-03-124	Mr. Pydi Bala Krishna	Dr. Asha Rani M. A	Investigation of Power Control Strategies for the Reliable Operation of DFIG under Harmonically Distorted Grid Voltage Conditions.
21-3-03-050	Mr. Prince Kumar	Dr. Nabanita Adhikary	Optimizing Green Energy Integration and Generation Control for Sustainable Operations
18-3-03-106	Mr. Soumyakanta Samantaray	Dr. Partha Kayal	Investigation of Techno-Economic and Reliability Assessment of Solar Integrated Electric Power Distribution System through Optimal Operation of Battery Energy Storage.
20-3-03-103	Mr. Ramudu Ganji	Dr. Jiwanjot Singh	Design and Analysis of a Modified Modular Multilevel Converter and its Applications.



21-3-03-028	Mr. Sanat Kumar Paul	Dr. Dulal Chandra Das, DR. Abheejeet Mohapatra	Novel Network Reconfiguration Strategies of Active and Unbalanced Distribution Networks with Injection Uncertainties
19-3-03-117	Mr. Ankit Tiwari	Prof. Binoy Krishna Roy	Profile and Design of Hidden Chaotic Systems with Special Features and its Control and Synchronization
19-3-03-122	Mr. Indrojeet Chakraborty	Dr. Sreejith. S	Design and Implementation of High-Gain DC-DC Converters for round-the-clock Off-Grid Solar Powered Water Pumping System.
19-3-03-136	Mr. Debasis Kumar Patel	Dr. Swapna Mansani	Development of Balanced and Unbalanced Load Flow Algorithms for Passive and Active Distribution Systems.
21-3-03-049	Mr. Suchandan Das	Dr. Ashish Paramane	Condition Monitoring of Power Transformers Using Advanced Machine Learning Algorithms.
19-3-03-102	Mr. Sukalyan Maji	Dr. Partha Kayal, Dr. Saheli Ray	Allocation of Micro-Phasor Measurement Units in Unbalanced Power Distribution Networks
20-3-03-121	Mr. Amit Chakraborty	Dr. Saheli Ray	Metaheuristic algorithm-based optimal energy management of a grid-connected microgrid.
19-3-03-127	Mr. Sovit Kumar Pradhan	Dr. Sreejith. S	Design and Implementation of Non-Isolated High Gain DC-DC Converters for Fuel Cell Electric Vehicle
19-3-03-113	Mr. Kothalanka Kameswara Pavan Kumar	Dr. Dulal Chandra Das, Dr. Nirmala Soren	Comprehensive control strategies for voltage and load frequency stabilization of hybrid power systems.
20-3-03-125	Ms. Shilalipi Sahoo	Prof. Binoy Krishna Roy	Design of chaotic systems with complex dynamics, higher chaoticness, and their time-synchronized predefined-time synchronization
19-3-03-137	Mr. Samuel Amde Gebereselassie	Prof. Binoy Krishna Roy	Design of Secure Speech Image Encryption Algorithms using Chaotic Maps and Hyperchaotic Systems.
18-3-03-123	Mr. Satyaki Biswas	Dr. Nalin Behari Dev Choudhury	Energy Management in Microgrids with Electric Vehicles Economic, Environmental, and Reliability Benefits.
19-3-03-116	Mahesh Pal Singh	Prof. Nidul Sinha	Some Studies on the Application of Machine Learning Techniques for Security Assessment of Power Systems

1.12. Photo Gallery of EE Department Events (2024-2025)



Fig (From left). IEEE Silchar NEIECCE Conference 2025, IEI organised a Royal Charter's Day on 09-11-2024, ELECTRO-MAP (Tecnoesis Module) event by IEI 08-11-2024, QUICK TWIST (Tecnoesis Module), Teachers Day by Electra Society Celebrating the guiding lights who inspire us every day, Champions of the EIC Cup! Our team's victory across all branches by Electra society, Idea to Industry I2I: A Journey, The Electra Cup Football Team: United on the field, ready to score, Esteemed professors gather at Electra Map, navigating innovation and future endeavors by Electra Society, Raw talent takes the stage at Udvega, as freshers and seniors alike showcase their amazing skills, Celebrating the bright stars and winners of Udvega, the freshers' grand showcase.

1. Name of the Department:

Electronics and Communication Engineering



The Department at a glance	
Year of Establishment: 1983	
Academic Programmes Offered: ● Bachelor of Technology (B.Tech) ● Master of Technology (M.Tech) ● Doctor of Philosophy (Ph.D.)	
Total Faculty Strength: 33 ● Professor: 5 ● Associate Professor: 10 ● Assistant Professor: 17 ● Trainee Teacher: 01	
Total Student Strength: 835 ● B. Tech: 682 ● M. Tech: 90 ● Ph.D.: 63	
New Students Joined in 2024-2025: 238 ● B. Tech: 171 ● M. Tech: 46 ● Ph.D.: 21	

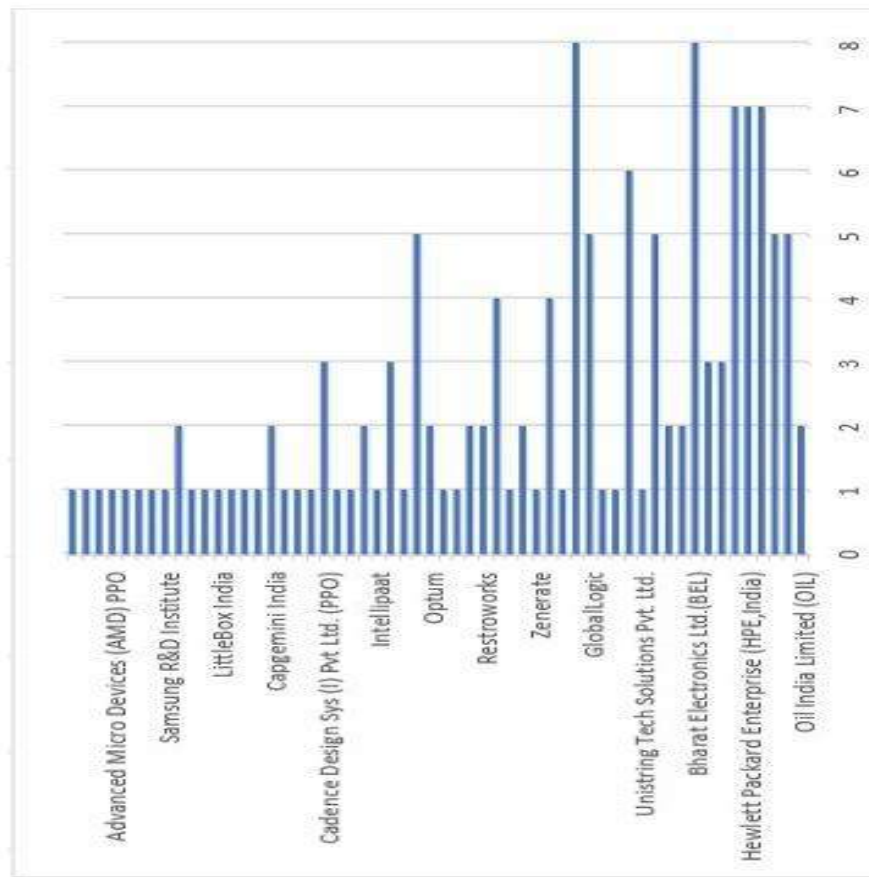


Fig 1: Placement statistics of students in the Electronics and Communication Engineering Department during 2024-2025

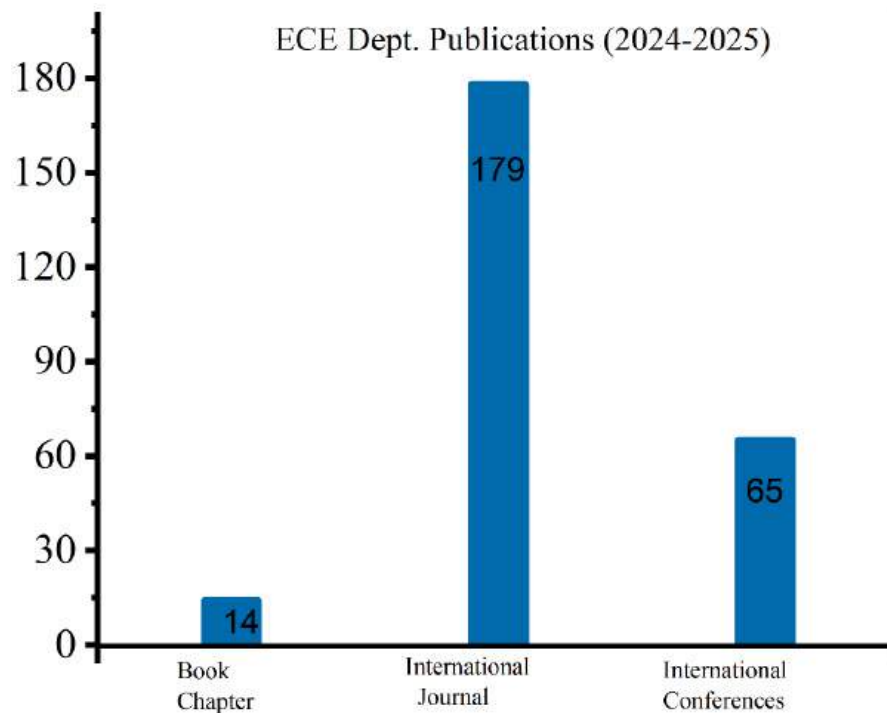


Fig 2: Publication details of Electronics and Communication Engineering Department during 2024-2025.



1.1 Academic Staff:

Head of the Department: Dr. Koushik Guha, Associate Professor

Name of Faculty members:

Professor	Associate Professor	Assistant Professor
Prof. Fazal A. Talukdar	Dr. Madhumita Banerjee	Dr. Ram Kumar Karsh
Prof. Srimanta Baishya	Dr. Wasim Arif	Dr. Ganesh Prasad
Prof. Krishna Lal Baishnab	Dr. Koushik Guha	Dr. Chandrajit Choudhury
Prof. Rabul Hussain Laskar	Dr. Trupti Ranjan Lenka	Dr. Prabina Pattanayak
Prof. Brinda Bhowmick	Dr. Ashraf Hossain	Dr. R. Murugan
	Dr. Taimoor Khan	Dr. Kavicharan Mummaneni
	Dr. Banani Basu	Dr. Pukhrambam Puspa Devi
	Dr. S. K. Tripathy	Dr. Gaurav Singh Baghel
	Dr. Arnab Nandi	Dr. M. V. Swati
	Dr. Ujjal Chakraborty	Dr. Tripti Goel
		Dr. Devendra Singh Gurjar
		Mr. Anupal Deka
		Dr. Bijit Choudhuri
		Dr. Arun Kumar
		Dr. Himanshu Karan
		Dr. Rajesh Saha
		Dr. Sucharita Chakraborty
		Dr. Dipjyoti Das

Visiting Professor (If any):

- **Prof. Hieu Pham Trung Nguyen**, Texas Tech University, Sponsored By: SERB or ANRF
- **Prof. Sembiam R. Rengarajan**, Foreign Collaborator from California State University Northridge, United States, Sponsored By: SERB or ANRF



1.2 Distinction Achieved

a) By Student:

- **Yesh Agarwal, Hirak Rajbonshi, and Iftikar Hussain**, secured an impressive **rank of 190 at the 2024 ICPC** (International Collegiate Programming Contest) Asia Amritapuri Multisite Regional Contest.
- **Gaurav Kumar Pandey** and Dr. Devendra Singh Gurjar authored a paper titled "Secrecy and Reliability Analysis of UAV-enabled Communications with RF-Energy Harvesting," which was presented at IEEE CICT-2024 held in Prayagraj and received the **BEST PAPER AWARD**.
- **Kishan Mittal, Ayush Maurya, and Kashish Sharma**, these three 2025 passed out batch students have achieved a monumental milestone! They have been awarded seed funding of INR 25 Lakhs and received incubation support from the Software Technology Parks of India (STPI) under the Ministry of Electronics and Information Technology. This support comes through the esteemed Open Challenge Program (OCP) 5.0 at the STPI OctaNE Centre of Entrepreneurship (CoE) in Guwahati.
- A team from **NIT Silchar**, comprising three 2025 batch students of ECE **Kishan Mittal, Ayush Maurya, and Kashish Sharma**, has secured the **2nd position** in the prestigious State-Level **RBI 90 Quiz Competition** held in Guwahati.
- A team, consisting of 2025 batch students (**Ayush Maurya, Kishan Mittal, Kashish Sharma, and Vishal Kumar**), secured the 3rd prize in the student contest category of an all-India level hackathon in ISSS IC-MNSS Conference held at IISc Bangalore during 9-12 July 2024.

b) By Faculty Member:

- **Dr. Trupti Ranjan Lenka** has been elected as IEEE EDS Board of Governors (BoG) Member at Large, 2025-2027.
- **Dr. Trupti Ranjan Lenka** is a Member of the Board of Studies, ICFAI Tech, Hyderabad, 2025.
- **Dr. Trupti Ranjan Lenka** is the IEEE EDS Membership and Services Committee Member, 2024-2026.
- **Dr. Trupti Ranjan Lenka** is the IEEE EDS Technical Committee Member - *Optoelectronics Devices Committee; Compound Semiconductor Devices and Circuits Committee; Photovoltaic Devices Committee*, 2024-2026.
- **Dr. Devendra Singh Gurjar** has been appointed as a Member of the Board of Studies, Indian Institute of Information Technology, Allahabad, for the term 2025-2027.
- **Dr. Devendra Singh Gurjar** guided a group of students who received the Special Mention Award for Best Idea at the 5G Innovation Hackathon, organized by the Department of Telecommunications (DoT), Government of India.
- **Dr. Koushik Guha** has been awarded membership in the senior category of Indian National Academy of Engineering (INAE).
- **Dr. Koushik Guha** Appointed as Adjunct Faculty in Thiagarajar College of Engineering, Madurai for 2024-2025.
- **Dr. Koushik Guha** became a Member of IEEE Sight Committee of IEEE Kolkata section, India in April 2025.
- **Dr. Koushik Guha**, Delivered talk on "Intelligent Chip Design: The Role of AI/ML in Modern VLSI Systems" in Webinar Series titled "Recent Trends and State of the Art Techniques and Trends in Emerging Areas of Engineering & Technology and also "AI Vishwaguru Expert Session" on 24.03.2025 organized by Residential Girls' Polytechnic, Golaghat under Govt. of Assam.
- **Dr. Koushik Guha**, Participated and showcased our invention in mega R&D fair, IInvenTiv-2025 at Indian Institute of Technology Madras during 28 Feb-1st March 2025.



- **Dr. Koushik Guha**, Delivered technical talk on “Semiconductor Ecosystem: Awareness and Opportunities for Indians” in Meghnad Saha Institute of Technology, Kolkata on 18 February 2025 organized by IEEE ED MSIT Student Branch Chapter.
- **Dr. Koushik Guha**, Resource Person in Short-Term Training Program (STTP) on "New Frontiers in Biomedical Engineering Research," during 10-10 February 2025 organized by G Hraisoni College of Engineering, Nagpur (online mode).
- **Dr. Koushik Guha**, Plenary Speaker and Session Chair in 3rd IEEE Electron Devices Kolkata Conference (EDKCON 2024) during 30th Nov-1st Dec 2024 organized by IEEE EDS Kolkata section.
- **Dr. Koushik Guha**, Resource Person in “National Workshop on Human Computer Interaction (NW-HCI 2024)" during 11-13 September 2024 organized by Dept. of Computer Science and Engineering, Aliah University, Kolkata & Dept. of Electronics & Communication Engineering, Aliah University, Kolkata (Offline mode).
- **Dr. Koushik Guha**, Resource Person in DST – SERB Sponsored Five Days Hands-on Training Workshop titled "CMOS MEMS Integrated Sensor Technology for Human Centered Applications in Healthcare, Safety, and Environmental Sensing: A Theory to Practice." during 24-28 June 2024 organized by the Department of ECE, Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Vijayawada, NTR District.
- **Dr. Koushik Guha**, Resource Person in All India Seminar on "Design of Advanced 5G Antenna and Prototype Technologies" (Under the aegis of Electronics and Telecommunication Engineering Divisional Board, IEI) during 02nd & 03rd May 2024 organized by the Department of Electronics and Communication Engineering, Coimbatore Institute of Technology, Coimbatore (Offline mode).
- **Dr. Rajesh Saha**, Enlisted in top 2% Scientist in the world list for 2024 declared by Stanford University and Elsevier.
- **Dr. Pushpa Devi**, Enlisted in top 2% Scientist in the world list for 2024 declared by Stanford University and Elsevier.
- **Dr. Taimoor Khan** has been nominated as an Affiliate Member of the IEEE MTT-S Technical Committee (TC-25).
- **Dr. Taimoor Khan** has also been nominated as a Regular Member of the IEEE MTT-S Technical Committee (TC-26), a Member of the IEEE APS Education Committee, a Member of the IEEE APS Best Paper Award Subcommittee, a Member of the IEEE MTT-S Education Committee, the IEEE R10 MTT-S Ambassador (India and Sri Lanka), and the IEEE R10 ACEI Entrepreneurship Ambassador for the year 2025.
- **Dr. Ganesh Prasad** is an active member of Bureau of Indian Standards (BIS) and provides review comments on various protocols of wireless communications, especially in Wireless Energy Harvesting, Underwater Acoustic Networks and other relevant domains.

1.3 SEMINARS, SYMPOSIA, SHORT-TERM COURSES, WORKSHOPS

a) Conducted by Faculty Member

Sl. No.	Name(s) of the Coordinator	Title	Funding Agency	Duration
1	Dr. Trupti Ranjan Lenka	Organized talk on “Design and Fabrication of III Nitride Nanowire LEDs” by Prof. Hieu Pham Trung Nguyen of Texas Tech University, Lubbock, Texas, USA	VAJRA Seminar by Anusandhan National Research Foundation (ANRF) of Department of Science and Technology (DST), Government of India	11 June 2025



2	Dr. Trupti Ranjan Lenka	General Co-Chair, 5th Springer International Conference on Micro/Nanoelectronics Devices, Circuits, and Systems(MNDCS-2025)	IEEE EDS and ANRF	29-31 Jan 2025
3	Dr. Arun Kumar and Dr. Rajesh Saha	Emerging Cutting Edge Technologies in CMOS: Trends and Challenges	IEEE EDS SB and IEEE NTC Chapter NIT Silchar	11 to 15 December, 2024
4	Dr. Koushik Guha	Organized 5 th International Conference on Micro/Nanoelectronics Devices, Circuits, and Systems (MNDCS 2025) during 29 Jan-31 Jan 2025 as organizing chair	IEEE EDS,USA	29-31 January 2025
5	Dr. Koushik Guha	IEEE Membership Drive	IEEE Kolkata Section	9th Sept. 2024

b) Participated by Faculty Member

Sl. No.	Name of Faculty	Details of the Program	Organizing Institute
1	Dr. Trupti Ranjan Lenka	4th IEEE Electron Devices Kolkata Conference (EDKCON 2024), 30 Nov-01 Dec 2024.	IEEE EDS Chapter Kolkata Section
2	Dr. Ram Kumar Karsh	ENCON 2024-2024 IEEE Region 10 Conference (TENCON), December 1st 2024 - December 4th 2024	IEEE Region 10 Conference
3	Dr. Arun Kumar	8th International Conference on Electronics, Materials Engineering & Nano-Technology	IEM & IEEE Kolkata Section
4	Dr. Koushik Guha	3rd IEEE Electron Devices Kolkata Conference (EDKCON 2024) during 30th Nov-1st Dec 2024 organized by IEEE EDS Kolkata section.	IEEE EDS Kolkata section.
5	Dr. Koushik Guha	International Conference on 'Computation Mathematics and Applications (ICCMA 2025) held in NIT Silchar during 16-18 Jan 2025	NIT Silchar
7	Dr. Koushik Guha	4th International Conference on Modelling Simulation and Optimization (CoMSO-2024) held at NIT Silchar from November 16-18, 2024	NIT Silchar

1.4 Research Development

a) Ph.D. Programme (Specializations):

Microelectronics and VLSI, Communication and Signal Processing, Communications Engineering, RF and Microwave Engineering, Machine and Deep Learning.

b) Ph.D. Produced/Ongoing (in number):

Completed	Submitted	Ongoing
13	15	63



c) **Lab / Workshop:**

Sl. No.	Name of Lab/Workshop	Purpose/Linkage to an existing/new programme
1	Semiconductor Devices Research Lab	Research facility for Nanoelectronics Device/Circuits
2	5G Use Case Lab	Research in Wireless Communication Domain

d) **Ongoing/Completed Sponsored Research Project:**

e) **Research Paper Reviewed**

Sl. No.	Faculty Name	Journal Name	No. of Paper	Year
1	Prof. Brinda Bhowmick	IEEE Sensors Journal, International Journal of Electronics, Silicon Journal, IEEE Transactions on Reliability, International Journal on Numerical Modelling	11	2024-25
2	Dr. Chandrajit Choudhury	Computers and Electrical Engineering, Elsevier, Multimedia tools and applications, Elsevier, Pattern Recognition Letters, Elsevier	5	2024-2025
5.	Dr. Ram Kumar Karsh	IEEE Transactions on Industrial Informatics, IEEE Transactions on Aerospace and Electronic Systems, IEEE Transactions on Information Forensics and Security, Transactions on Emerging Telecommunications Technologies, IEEE Transactions on Dependable and Secure Computing, Digital Signal Processing, Measurement	7	2024-2025
6.	Dr. Arun Kumar	Journal of Computational Electronics, Springer Silicon, Springer Sensing and Imaging, Springer	5	2024-2025
7.	Dr. Devendra Singh Gurjar	IEEE Communications Standards Magazine, IEEE Communications Surveys & Tutorials, IEEE Sensors Journal, IEEE Journal on Miniaturization for Air and Space Systems, IEEE Communications Letters, IEEE Transactions on Green Communications and Networking, IEEE Transactions on Wireless Communications, IEEE Transactions on Mobile Computing, IEEE Transactions on Communications, IEEE Transactions on Aerospace and Electronic Systems, IEEE Internet of Things Journal	15	2024-2025
8.	Dr. Bijit Choudhuri	IEEE Electron Device Letter, IEEE Transaction on device and materials reliability, IEEE Transaction on nanotechnology, Physica Scripta Silicon, Applied Physics, A Optical and Quantum Electronics Engineering Research Express, Journal of Materials Science: Materials in Electronics, Indian Journal of Pure and Applied Physics	10	2024-2025
9.	Dr. Koushik Guha	IEEE Sensors Journal, Electronics, MDPI, Microsystem Technologies, Springer, Advances in Electrical Engineering, Electronics and Energy, Sensors, MDPI, Journal of Engineering, Symmetry, MDPI, Applied Sciences, MDPI.	15	2024-2025
10	Dr. Rajesh Saha	IEEE Sensors Journal, Silicon Journal, IEEE Transactions on Reliability, Microelectronics Journal, Micro and Nano Structure, IEEE TED, IEEE Access.	14	2024-25



11.	Dr.Sucharita Chakraborty	IEEE Communications Surveys & Tutorials, IEEE Communications Letters, IEEE Wireless Communications Letters, IEEE Transactions on Vehicular Technology, IEEE Transactions on Wireless Communications, IEEE Transactions on Mobile Computing, IEEE Transactions on Communications,	7	2024-2025

f) Chairing of the Technical Session

1. Session chair in *5 th International Conference on Electrical, Computer and Energy Technologies (ICECET 2025)*, IEEE, July 3rd 2025 - July 6th 2025, 2025, Paris, France
2. Dr. Trupti Ranjan Lenka, Session Chair, 4th IEEE Electron Devices Kolkata Conference (EDKCON 2024), 30 Nov-01 Dec 2024.
3. Dr. Koushik Guha, Chairing a session in 3rd IEEE Electron Devices Kolkata Conference (EDKCON 2024) during 30th Nov-1st Dec 2024 organized by IEEE EDS Kolkata section.
4. Dr. Koushik Guha, Session Chair in International Conference on 'Computation Mathematics and Applications (ICCMA 2025) held in NIT Silchar during 16-18 Jan 2025.
5. Dr. Koushik Guha, Chairing session in 4th International Conference on Modelling Simulation and Optimization (CoMSO-2024) held at NIT Silchar from November 16-18, 2024.

1.5 PUBLICATION

a) Journal (s):

1. K Mayura, V Kumar, R Saha, B Bhowmick, "Impact of source/drain lateral straggle on GIDL current of low SS NC-FinFET", *International Journal of Electronics*, Volume 112, Issue 9, 2025, <https://doi.org/10.1080/00207217.2024.2408798>, Indexed in SCI, Quartile: Q2
2. K Nasani, B Bhowmick, P Puspa Devi, "Nano Sense-TFET: HJ-DGVTFT Based Salivary and Serum CerbB-2 Biomarker Detection for Breast Cancer", *Chinese Journal of Physics*, Volume 98, 2025, <https://doi.org/10.1016/j.cjph.2025.09.010>, Indexed in SCI, Impact Factor: 4.6, Quartile: Q2
3. BV Rao, A Kumar, B Bhowmick, "Exploration into the Performance of SOI-Tunnel FETs with Extended-Source for DC and Analog applications", *Journal of Electronic Materials*, 2025, Indexed in SCIE, Quartile: Q2
4. George Mili, B Bhowmick, "Gas Sensor Architecture Leveraging Hetero Source Stack with Pocket-Doped n-TFET for Enhanced Sensitivity", *The European Physical Journal Plus*, June, 2025, Indexed in SCI, Impact Factor: 2.4, Quartile: Q1
5. R Saha, Shanidul, B Bhowmick, "Investigation of Electrical Parameters in Extended Source Epitaxial Layer DG-TFET Including Interface Trap Charges and Temperatures", *Analog Integrated Circuits and Signal Processing*, May, 2025, Indexed in SCIE, Quartile: Q2
6. R Debnath, R K Maurya, B Bhowmick, "Probing Vertical Magnetic Fields with Negative Capacitance GAA-FinFET: Sensitivity and Performance Analysis", *Physica Scripta*, May, 2025, <https://iopscience.iop.org/article/10.1088/1402-4896/add2a2>, Indexed in SCIE, Impact Factor: 3.3, Quartile: Q2
7. Sirisha Meriga, B Bhowmick, "Compact analytical model for Raised Buried Oxide Ferro-electric TFET for RF/Analog applications and its implementation as an Inverter", *Journal of Electronic Materials*, 2025, <https://doi.org/10.1007/s11664-025-11988-3>, Indexed in SCIE, Impact Factor: 2.4, Quartile: Q2
8. B V Rao, A Kumar, B Bhowmick, "Exploring the Optimized Ge/Si Heterostructure Extended Source (ES) Fin-TFETs for Improved DC and Analog Performance", *Micro and Nanostructures*, Volume 203, 2025, 10.1016/j.micrna.2025.208133, Indexed in SCIE, Impact Factor: 2.7, Quartile: Q1
9. George Mili and B Bhowmick, "Multifaceted impacts of reliability issues: trap dynamics, positive bias temperature instability, and effect of temperature on the HSSP-nTFET", *Semiconductor Science and Technology*, Volume 40, 2025, 10.1088/1361-6641/adb87c, Indexed in SCIE, Impact Factor: 1.9, Quartile: Q2

10. K Vanlalawmpuia and B.Bhowmick, "Comparison of Hetero-stacked Tunnel FET and Delta-doped Germanium Source Vertical TFET and their Applications", *IETE Journal of Research*, 2025, 10.1080/03772063.2025.2462782, Indexed in SCI, Impact Factor: 1.3, Quartile: Q2
11. K Nasani, B Bhowmick, P P Devi, "Dielectric Modulation based Investigation of Heterojunction Dual Gate Vertical TFET for Bio-molecule Detection," *Materials Science & Engineering B*, Volume 313, 2025, 10.1016/j.mseb.2024.117946., Indexed in SCI, Impact Factor: 4.1, Quartile: Q2
12. Choudhury, Chandrajit, Tripti Goel, and M. Tanveer. "A coupled-GAN architecture to fuse MRI and PET image features for multi-stage classification of Alzheimer's disease." *Information Fusion* 109 (2024): 102415.
13. Choudhury, Chandrajit. "Applying the concept of self-play with temporal delay to generate robust and resilient perceptual-hash for color images." *Expert Systems with Applications* (2025): 128288.
14. Das, Rupankar, and Chandrajit Choudhury. "YUW-Net: A Y-shaped deep network for enhancement of Under-water images." *Signal Processing: Image Communication* (2025): 117422.
15. T. R. Lenka, H. P. T. Nguyen, "Preface for Special Issue MNDCS-2024," *Microsyst Technol* (2025). <https://doi.org/10.1007/s00542-025-05965-3>. [IF: 1.8, Q3, SCIE]
16. J. Husna, N. A. Jamil, K. S. Siow, T. R. Lenka, H. Kumar, P. Chelvanathan, M. A. Mohamed, A. R. Zain, J. Sampe, P. S. Menon, "Numerical Optimization of Plasmonic CuO-Based Semi-Transparent Thin Film Solar Cell Device via L9 Taguchi Orthogonal Array Method and ANOVA," *International Journal of Integrated Engineering*, Vol. 16, No. 9, 264-272, 2024. DOI: <https://doi.org/10.30880/ijie.2024.16.09.021> [IF: 1.2 (2024), Q3, ESCI]
17. E. Raghuveera, T. R. Lenka, G. P. Rao, Valeria Vadalà and H. P. T. Nguyen, "Development of a Physics based 2DEG Analytical and Simulation Model of AlGaIn/GaN HEMT Biosensor for Biomolecule Detection - An Algorithmic Approach," *Microsystem Technologies* (Springer), 13th Nov 2024. DOI: <https://doi.org/10.1007/s00542-024-05825-6> [IF: 1.8 (2024), Q3, SCIE]
18. Girish Shankar Mishra, N. Mohankumar, Manoharan Arun Kumar, T. R. Lenka, R. Meenakshi, T. Kanthimathi, S. Aghalya, Sankalp Kumar Singh, "Impact of Capacitance and Linearity on the reliability of InGaIn notch based Dual Channel GaN MOSHEMTs for precision biosensing," *Microsystem Technologies* (Springer), Nov 2024. DOI: <https://doi.org/10.1007/s00542-024-05816-7> [IF: 1.8 (2024), Q3, SCIE]
19. G. P. Rao, T. R. Lenka, Valeria Vadalà, and H. P. T. Nguyen, "Device Structural Engineering and Modelling of Emerging III-Nitride/ β -Ga₂O₃ Nano-HEMT for High-Power and THz Electronics," *Physica Scripta* (IOP Science), Vol. 99, No. 12, pp. 125908, Nov 2024. DOI: <https://doi.org/10.1088/1402-4896/ad8991> [IF: 2.6, Q2, SCI]
20. G. P. Rao, T. R. Lenka, and H. P. T. Nguyen, "Linearity Analysis of III-Nitride/ β -Ga₂O₃ Nano-HEMT for Emerging RF/Microwave Applications," *Microsystem Technologies* (Springer), Aug 2024. DOI: <https://doi.org/10.1007/s00542-024-05736-6> [IF: 1.8 (2024), Q3, SCIE]
21. G. P. Rao, T. R. Lenka, Hieu P. T. Nguyen, Nour El. I. Boukourt, and Giovanni Crupi, "Effect of temperature dependence of 2DEG on device characteristics of field-plated recessed-gate III-nitride/ β -Ga₂O₃ nano-HEMT," *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields* (Wiley), Vol. 37, No. 4, e3281, Aug 2024. DOI: <https://doi.org/10.1002/jnm.3281> [IF: 1.7, Q3, SCIE]
22. Nour Boukourt, Yaser M. Abdulraheem, Salvatore Patané, T. R. Lenka, Rabin Paul, Amal M. AlAmri, Malak Wafi, Mariam Ali Mohammad, Anfal Almuraished, Noor Alenezi, Latifa Alameeri, Zainab Alenezi, Wissem Nasri and Baghdad Hadri, "Upper Subcell Impacts on Perovskite/u-CIGS Tandem Solar Cell Performance," *Journal of Physics: Conference Series* (IOP Science), 2751 (2024) 012016. DOI: <https://iopscience.iop.org/article/10.1088/1742-6596/2751/1/012016>
23. G. Purnachandra Rao, T. R. Lenka, Valeria Vadalà, and Hieu Pham Trung Nguyen, "Characteristics Study of Heterojunction III-Nitride/ β -Ga₂O₃ Nano-HEMT for THz Applications," *Engineering Research Express* (IOP Science), Vol. 6, No. 2, 025312, 09th Apr 2024. DOI: <https://doi.org/10.1088/2631-8695/ad3db1> [IF: 1.6, Q2, ESCI]
24. A. Baidya, T. R. Lenka, S. Baishya, "Analysis of Geometric Parameter Variation Effect on Electrostatic Characteristics of 3D Double Gate Junctionless Transistor," *NanoWorld Journal*, Vol. 10, Supplement 1, S158-S163, 15 March, 2024. <https://doi.org/10.17756/nwj.2024-s1-028> [Scopus]
25. G. Purnachandra Rao, Tripti Ranjan Lenka, and Hieu Pham Trung Nguyen, "Field-Plated and Back-Barrier Engineered Wide-Bandgap III-Nitride/ β -Ga₂O₃ Nano-HEMT for Emerging RF/Microwave Micro/Nanoelectronics Applications," *Microelectronics Reliability* (Elsevier), Vol. 155, 115365, 2024. DOI: <https://doi.org/10.1016/j.microrel.2024.115365> [IF: 1.9, Q2, SCIE]

26. G. Purnachandra Rao, T. R. Lenka, and Hieu P. T. Nguyen, "Realization of Kink Effect in the Drain Characteristics of III-Nitride/ β -Ga₂O₃ Nano-HEMT due to Traps and Self-Heating," *Facta Universitatis, Series: Electronics and Energetics*, Vol. 37, Issue 2, pages: 289-299, Jan 2024. DOI: <https://doi.org/10.2298/FUEE2402289R> [IF: 0.7, Q4, ESCI]
27. Rabin Paul, Shweta Shukla, Trupti Ranjan Lenka, Fazal Ahmed Talukdar, Vishal Goyal, Nour El Islam Boukourt, P. Susthitha Menon, "Recent progress in CZTS (CuZnSn sulfide) thin-film solar cells: a review," *Journal of Materials Science: Materials in Electronics (Springer)*, Vol. 35, No. 226, 25th Jan 2024. DOI: <https://doi.org/10.1007/s10854-024-11983-0> [IF: 2.9, Q2, SCIE]
28. Abul Abbas Barbhuiya, Ram Kumar Karsh, Rahul Jain, Hillol Phukan, "A deep neural network-based architecture for automated detection of COVID-19 from chest X-ray images", *International Journal of Medical Engineering and Informatics*, Volume 16, Issue 2, 173-184, 2024, <https://doi.org/10.1504/IJMEI.2024.136964>, Indexed in Scopus, Impact Factor: 0.255, Quartile: Q3
29. H Pallab Jyoti Dutta, MK Bhuyan, Ram Kumar Karsh, Sultan Alfarhood, Mejd Safran, "Multiscale attention-based hand keypoint detection", *IEEE Transactions on Instrumentation and Measurement*, Volume 73, 1-11, June, 2024, <https://ieeexplore.ieee.org/document/10555396>, Indexed in SCI, Impact Factor: 5.6, Quartile: Q1
30. Bhumika Karsh, Rabul Hussain Laskar, Ram Kumar Karsh, "mXception and dynamic image for hand gesture recognition", *Neural Computing and Applications*, Volume 36, Issue 15, 8281-8300, May, 2024, <https://doi.org/10.1007/s00521-024-09509-0>, Indexed in SCI, Impact Factor: 4.5, Quartile: Q1
31. T Sandeep Kumar, Anusha Hazarika, PSTN Srinivas, Pramod Kumar Tiwari, Arun Kumar, "A machine learning approach to accelerate reliability prediction in nanowire FETs from self-heating perspective" *Microelectronics Reliability*, Volume. 161, Pages 115484, Oct. 2024.
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1.6 PATENT:

Sl. No.	Details	Year
1	Rabin Paul, Trupti Ranjan Lenka, Fazal Ahmed Talukdar, Hieu Pham Trung Nguyen, “A Co-Axial Nanowire Solar Cell System and Its Fabrication Method Thereof,” Indian Patent, 202431097934, December 11, 2024.	2024
2	B. Karsh, R. K. Karsh, R. H. Laskar, “Sign Language Translator for Identification of Health Conditions of the Hard of Hearing Population for Medical Attention, Indian Patent”, 202431044356, Jun. 2024	2024
3	Indian Design Patent granted on MINIATURE QUARTER MODE SUBSTRATE INTEGRATED WAVEGUIDE FILTER FOR RADIO FREQUENCY COMMUNICATION	2024



1.7 VISITS TO ABROAD

1. Prof. Brinda Bhowmick Visited France (Paris) to present a paper and session chair in *5th International Conference on Electrical, Computer and Energy Technologies (ICECET 2025)*, July 3rd 2025 - July 6th 2025, 2025, Paris
2. Dr. Trupti Ranjan Lenka was a Post-Doctoral Research Associate at Ultra-wide Bandgap Semiconductors Laboratory, Nano Tech Centre, Department of Electrical and Computer Engineering, Texas Tech University, Lubbock, Texas, 79409, USA, 20 Dec 2024-14 May 2025.
3. Dr. Ram Kumar Karsh Visited Singapore to present a paper in *TENCON 2024-2024 IEEE Region 10 Conference* , Dec. 1st 2024 - Dec. 4th 2024, 2024, Singapore.
4. Dr. Devendra Singh Gurjar, Visiting Professor at Technical University Kosice, Slovakia, 1-06-2024 to 31-07-2024.
5. Dr. Koushik Guha, Scientific and project visit to Fondazione Bruno Kessler, Trento, Italy during 9th October to 20th October 2024,
6. Dr. P P Devi Visited France (Paris) to present a paper and session chair in *5th International Conference on Electrical, Computer and Energy Technologies (ICECET 2025)*, July 3rd 2025 - July 6th 2025, 2025, Paris

1.8 M. Tech. (Thesis/Project):

1. Prediction of Post-Synthesis RTL Feasibility with Leakage Power and Area Estimation (Himjyoti Thakuria, reg. no (2324205)) (guided by Brinda Bhowmick).
2. Deep Learning Base estimation of ejection fraction using echocardiography videos. (Bipasa Reang, 2224103). (Guide: Dr. Chandrajit Choudhury & Prof. R.H. Laskar)
3. Object detection using RGB and IR images. (Arnab Kar, 2224107). (Guide: Dr. Chandrajit Choudhury & Dr. Banani Basu).
4. Pranayan Pratim Chandra: Simulation Modeling of AlGaIn/GaN Nanowire and Planar HEMT for Power Electronics Applications, 2025, Supervisor: Dr. Trupti Ranjan Lenka.
5. Himanko Boruah: Dynamic Gesture Recognition: A Real-time Sign Language Translator for Health Identification and Communication, May 2024, Supervisor: Dr. Ram Kumar Karsh.
6. Subhash Kumar, Design and Investigation of Split-Gate Junctionless Nanosheet Field Effect Transistor, May 2024, Supervisor: Dr. Arun Kumar
7. Arsel Adib, Design of Energy Efficient Seizure Detection Classifier using Approximate Computing, May 2024, Supervisor : Dr. Bijit Choudhuri
8. Suraj Kumar, Design of Monolithic White Light LED using InGaIn/GaN Multiple Quantum Well, May 2024, Supervisor: Dr. Himanshu Karan and Dr. Bijit Choudhuri
9. BARSHA BARMAN, Design and Investigation of MEMS Biosensor for Detection of HIV (Human Immunodeficiency Virus) Disease, Guided By Dr. Koushik Guha
10. NABANITA DAS, A Low power Low Noise Amplifier for Neural Signal Acquisition, Guided By Dr. Koushik Guha

1.9 Ph.D. Thesis :

1. Karthik Nasani, Comprehensive Design of Nano scale Hetero Junction Dual Gate Vertical TFET: Analytical modelling, Sensing Functionality, and Circuit-Level Integration (karthik Nasani, Reg. no 21-3-04039) (Guided by Brinda Bhowmick)
2. Samadrita Das, Design and Modeling of High-Efficiency III-Nitride Planar and Nanowire LEDs for Emerging Optoelectronics Applications, 17th Jan 2025, Supervisor: Dr. Trupti Ranjan Lenka.
3. Rabin Paul, Design and Simulation Modelling of High-Efficiency CZTS, CZTSe and Perovskite Solar Cells for Energy Harvesting, 29th Nov 2024, Supervisor: Dr. Trupti Ranjan Lenka.
4. G. Purnachandra Rao, Design and Modelling of III-Nitride/ β -Ga₂O₃ HEMT for Emerging THz and High-Power Nanoelectronics Applications, 20th July 2024, Supervisor: Dr. Trupti Ranjan Lenka.
5. Abdul Abbas Subhani, Design and Development of Robust Image Hashing Scheme for Image Authentication, 15th Oct. 2024, Supervisor: Dr. Ram Kumar Karsh.
6. Potharaju Ramesh, Design, simulation, and performance analysis of pocket-doped source-all-around vertical tunnel FETs and their applications. Supervisor: Dr. Bijit Choudhuri



7. Zohmingliana, Dual Material Double Gate Graphene Nanoribbon Vertical Tunnel FETs: Gas sensor and Circuit level Applications, Guide: Prof. Brinda Bhowmick, Co-guide: Dr. Bijit Choudhuri
8. Malvika, Modelling, Simulation and Applications of Highly Doped Double Pocket Double Gate Negative Capacitance Field Effect Transistor (HDDP-DG-NCFET), Guide: Dr. K. Mumaneni, Co-guide: Dr. Bijit Choudhuri
9. Sourav Nath, Optimal Design of Analog Front End using Swarm based and Artificial Neural Network Methods for Detection of Neural Spikes in Epilepsy Clinical Onset, Guide Dr. Koushik Guha
10. Preeti Mallela, Design and Analysis of Low Frequency MEMS Accelerometer for detection of Parkinson Disease in early stage, Guide Dr. Koushik Guha
11. Rashmi Chaudhary, RELIABILITY ANALYSIS OF FINFETS: WORK FUNCTION AND STRUCTURAL ENGINEERING, (Joint-supervisor at MNIT Jaipur))-Dr. Rajesh Saha

1.10 Technical Talks Delivered :

1. A talk in FDP, Next Generation CMOS-MEMS and VLSI: Innovations and Future Trends (25th July – 03rd August 2025), organized by E&ICT NIT Warangal, IIITDM Kurnool and Department of ECE, NIT Silchar, By Prof. Brinda Bhowmick
2. A talk delivered “ Online Faculty Development Programme” under AICTE Training and Learning (ATAL) Programme on the topic “Chip: Design, Fabrication, Packaging and Testing” from 6th to 11th January, 2025, Assam Engineering College Guwahati, By Prof. Brinda Bhowmick
3. A talk Delivered in Emerging Cutting Edge Technologies in CMOS: Trends and Challenges” from 11th-15th December, 2024, NIT Silchar, By Prof. Brinda Bhowmick
4. Invited Talk on “*III-Nitride Nanowire LEDs for Enhanced Light Technology*”, 8th IEEE International Conference on Trends in Electronics and Informatics (ICOEI 2025), 24-26, April 2025. Speaker: Dr. Trupti Ranjan Lenka.
5. Plenary Talk on “*III-Nitride/ β -Ga₂O₃ Nano-HEMT for Emerging Nanoelectronics Applications*” IEEE Electron Devices Kolkata Conference (EDKCON 2024), 30 Nov-01 Dec 2024. Speaker: Dr. Trupti Ranjan Lenka.
6. Invited Talk on “*GaN HEMT for RF and high-power Electronics Applications*” in One Week FDP on “Advanced Electronic Materials, Devices and Systems” 19-24 July 2024, organized by AIU-AADC, Berhampur University, India. Speaker: Dr. Trupti Ranjan Lenka.
7. Invited Talk on “*Design of GaN HEMT as Biosensor for Healthcare Applications*” in Faculty Development Programme on Recent Trends in Nanoelectronics for Healthcare Applications, IFCAI University, Hyderabad, 09th Apr 2024. Speaker: Dr. Trupti Ranjan Lenka.
8. Invited talk on ‘Antenna sensor for IoT based applications’ at ATAL FDP, ECE Department, Hooghly Engineering & Technology College, West Bengal on 23rd of June, 2025, By Dr. Ujjal Chakraborty
9. Invited talk on “Communication, signal processing and recent technologies for different applications” at FDP, ECE Department, BBIT, Kolkata on 28th Oct. 2024, by Dr. Ram Kumar Karsh
10. A talk delivered in “Self-Heating in Nanoscale Semiconductor Devices: Numerical Simulation, Analytical Modeling & AI/ML Perspective, ATAL Online 6-Day FDP” , Jan 13-18, 2025, IIT Patna, by Dr. Arun Kumar
11. Dr. Bijit Choudhuri delivered a talk entitled "Synthesis and characterization of nanostructures and nanoscale materials for various applications. " at FDP on Material synthesis and coating approaches for optimizing electrodes in Green hydrogen electrolysis on 9th January, 2025 at Parul University, Vadodara, Gujarat
12. Dr. Bijit Choudhuri delivered a talk entitled “Evolution of semiconductor devices: from pn junction to non classical transistors” at workshop on Shrinking the future: Cutting edge trends in VLSI Design, 1st July 2024, at KL University, Andhra Pradesh
13. Dr. Rajesh Saha, delivered a talk entitled “ Advanced MOS Devices and Modeling Strategies in FinFET” “Faculty Development Program on Innovations in Machine Learning, Artificial Intelligence, Data Science and Modelling (IMLAIDSM’24)” at Vignan university.
14. Dr. Rajesh Saha, delivered a talk entitled, “Investigation of Electrical Parameters in TFETs, including Interface Trap Charges/Temperature and Application of TFETs”, International Workshop on “Recent Innovations and Challenges in VLSI Design: From Concept to Application” 18th to 22nd November 2024.



1.11 Course/FDP/Workshop/Conference/Meet Attended:

1. Attended NEP 2020 Conclave at NIT Calicut during 25th and 26th April 2025, by Brinda Bhowmick
2. Dr. Trupti Ranjan Lenka attended IEEE EDS Board of Governors (BoG) Meeting, Lisbon, 2025.
3. Dr. Trupti Ranjan Lenka, General Co-Chair, 5th Springer International Conference on Micro/Nanoelectronics Devices, Circuits, and Systems (MNDCS-2025), 29-31 Jan 2025.
4. Dr. Trupti Ranjan Lenka, 4th IEEE Electron Devices Kolkata Conference (EDKCON 2024), 30 Nov-01 Dec 2024.
5. Dr. Trupti Ranjan Lenka attended 8th IEEE Electron Devices Technology & Manufacturing Conference (EDTM), Bangalore, India, 2024.

1. Name of the Department:

Computer Science and Engineering



The Department at a glance	
Year of Establishment: 1987	
Academic Programmes Offered: ● Bachelor of Technology (B.Tech) ● Master of Technology (M.Tech) ● Doctor of Philosophy (Ph.D.)	
Total Faculty Strength: 27 ● Professor: 01 ● Associate Professor: 06 ● Assistant Professor: 20	
Total Student Strength: 979 ● B.Tech: 738 ● M.Tech: 116 ● Ph.D.: 125	
New Students Joined in 2024-2025: 266 ● B.Tech: 180 ● M.Tech: 65 ● Ph.D.: 21	

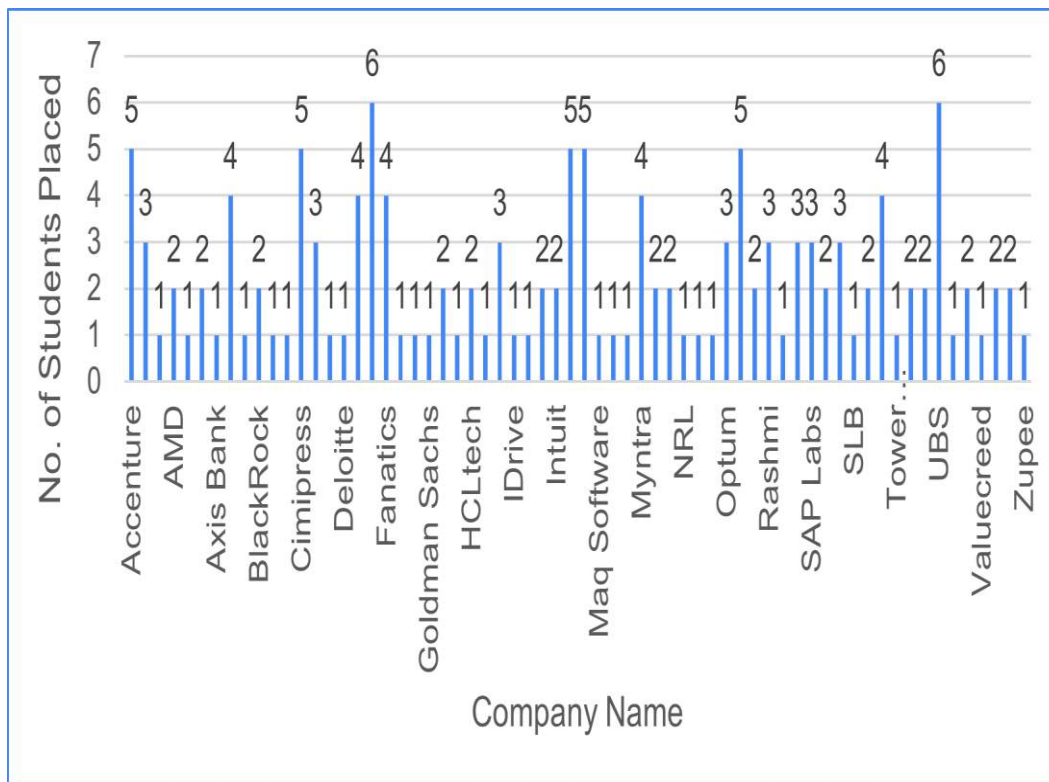


Fig: Placement statistics of students in the Computer Science and Engineering Department during 2024-2025

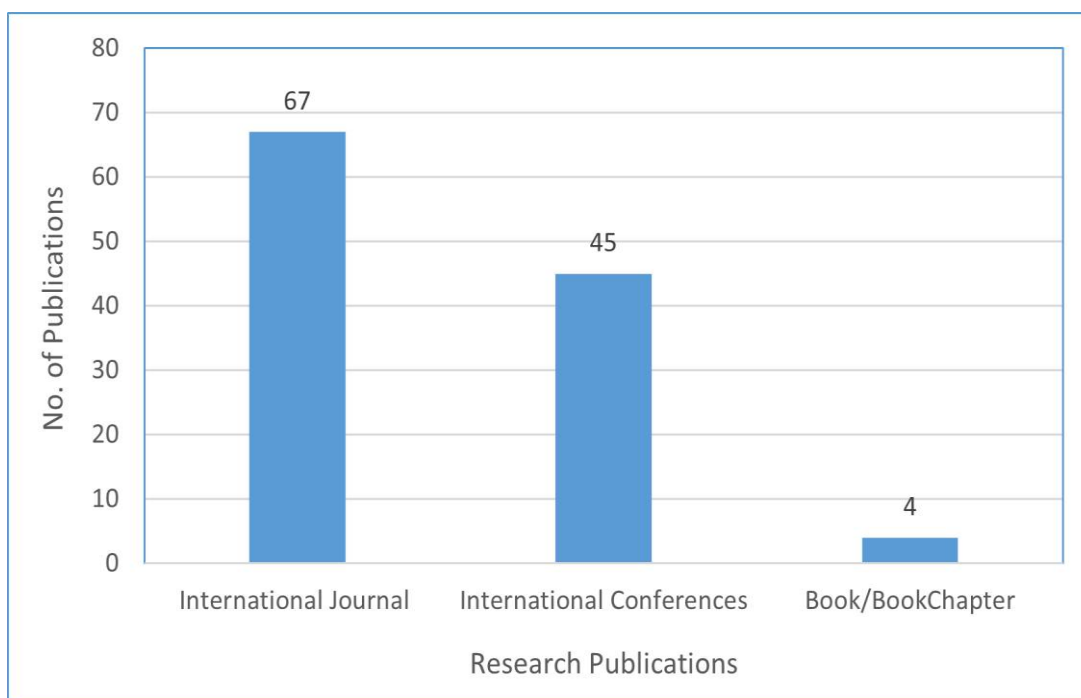


Fig: Publication details of Computer Science and Engineering Department during 2024-2025



1.1 Academic Staff:

HEAD of the Department: Dr. Pinki Roy, Associate Professor

Name of Faculty members:

Professor	Associate Professor	Assistant Professor
Dr. Biswajit Purkayastha	Dr. Pinki Roy	Dr. Arup Bhattacharjee
	Dr. Samir Kumar Borgohain	Mr. Prabhakar Sharma Neog
	Dr. Saroj Kumar Biswas	Mr Biswanath Dey
	Dr. Ujwala Baruah	Dr. Pantha Kanti Nath
	Dr. Suganya Devi K	Dr. Dalton Meitei Thounaojam (on Lien)
	Dr. Partha Pakray	Dr. Badal Soni
		Dr. Ripon Patgiri
		Mr. Umakanta Majhi
		Dr. Shyamosree Pal
		Dr. Laiphrakpam Dolendro Singh
		Dr. Malaya Dutta Borah
		Dr. Anish Kumar Saha
		Dr. Thoudam Doren Singh (on Lien)
		Dr. Anupam Biswas
		Dr. Naresh Babu M. (on Lien)
		Dr. Parikshit Saikia
		Dr. Ramanujam E
		Dr. Chukhu Chunka
		Dr. Debbrota Paul Chowdhury
		Dr. Aparajita Dutta



1.2 Distinction Achieved

➤ By Student:

- **Shreya Sarkar** (Scholar ID: 2212123), received the **President Guide Award Certificate (2025)**, conferred by The Bharat Scouts and Guides at New Delhi in recognition of her outstanding performance as a merit holder in the Rashtrapati Guide Certificate Examination. She received the award on 19th March 2025.
- **Abhigyan Tiwari** (ID: 2412124), secured the 3rd Prize at the IISc Pravega Honour Code Hackathon on 1st February 2025.
- **Swarup Chanda** (Scholar ID: 2212170), was a Finalist in NITS YANTRARNAV 2024, organized by ISRO at Bharat Mandapam, New Delhi, on 22nd July 2024.
- **Abhigyan Tiwari** (Scholar ID: 2412124), secured the 3rd Prize at the IISc Pravega Honour Code Hackathon on 1st February 2025.

1.3 SEMINARS, SYMPOSIA, SHORT TERM COURSES, WORKSHOPS

a) Conducted by Faculty Member

Sl. No.	Name(s) of the Coordinator	Title	Funding Agency	Duration
1	Dr. Partha Pakray	Quantum Natural Language Processing, Theory, Applications and Prospects	CEFIPRA, DST (Govt of India)	Sept 25-27, 2024
2	Dr. Malaya Dutta Borah (as Finance Chair &IEEE Women in Engineering Committee Chair)	2024 IEEE Silchar Subsection Conference (IEEE SILCON-2024)	IEEE	Nov 15-17, 2024

b) Participated by Faculty Member

Sl. No.	Name of Faculty	Details of the Program	Organizing Institute
1	Dr. Saroj Kr Biswas	AICTE Sponsored 3-Day Seminar under AICTE -VAANI Scheme on Artificial Intelligence in Cyber Security: Challenges and Opportunities for Digital Bharat (Expert Talk delivered on August 22, 2024)	Jalpaiguri Government Engineering College, West Bengal.



2	Dr. Malaya Dutta Borah	Short-Term Programme on Classroom Management and Teaching-Learning & Evaluation in Higher Education held during Dec 3-8, 2024.	NIT Silchar under the aegis of UGC MMTTC, Assam University, Silchar
3		Online Frauds, Digital Arrest and Cyber Security, Security Awareness Week, Dec 13-19, 2024 (Expert Talk delivered on December 16, 2024)	Oil and Natural Gas Corporation Ltd., Srikona, Silchar
4		CBDE Pedagogy Workshop held during March 18-19, 2025 at Tezpur University, Assam	Tezpur University in association with Malaviya Mission Teacher Training Programme and IIITDM
5		Online Faculty Development Programme on IoT and Blockchain: Securing the Next Generation of Connected Devices held during March 10-21, 2025 (Expert Talk delivered March 10, 2025)	Electronics & ICT Academy (Hub), NIT Warangal in association with E&ICT Academy (Spoke), IIITDM Kurnool, Andhra Pradesh & Gokaraju Rangaraju Institute of Engineering and Technology Sponsored by Ministry of Electronics and Information Technology (MeitY)
6	Dr. Partha Pakray	Faculty Development Programme on AI in Cyber Security: Securing the Digital Future, Dec 09-13, 2024	Department of Artificial Intelligence and Data Science (AI&DS), LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
7	Dr. Aparajita Dutta	Expert Talk on AI/ML-Based Sensors in Healthcare for Five-Day Faculty Development Program on “Modelling and Application of AI/ML in Engineering” held at NIT Agartala, Dec 17-21, 2024	NIT Agartala
8	Dr. Anupam Biswas	Winter School on AI-ML & Learning Technologies, Jan 20-31, 2025	DST-Technology Enabling Centre, Rajiv Gandhi University, Rono Hills, Doimukh (Itanagar), Arunachal Pradesh
9		Online ATAL FDP on Quantum Computing Sponsored by AICTE Training and Learning Academy, Feb 10-15, 2025	Division of Artificial Intelligence and Machine Learning Karunya Institute of Technology and Sciences, Coimbatore, Tamil Nadu
10	Dr. Anish Kumar Saha	4th One-Week International Workshop on Technical Writing using LaTeX, March 30 – April 5, 2024.	VIT AP University, Amravati
11		Expert Talk delivered on “FDP on Quantum Computing in Artificial Intelligence and Machine Learning Using Qiskit”, March 3-7, 2025.	GMR Institute of Technology and Andra University College of Engineering
12		Expert Talk delivered on “Online FDP on Quantum Computing: Algorithms and Applications”, July 15-19, 2024.	Department of CSE, NIT Warangal



13	Dr. Suganya Devi.K	Acted a Resource Person for the Five Days Online Faculty Development Program on “Artificial Intelligence and Machine Learning for Medical Image Analysis–Python Perspective” on Nov 22, 2024.	CMR Institute of Technology
14		As invited Resource Person for the upcoming Faculty Development Program (FDP) on "Deep Learning for Computer Vision: Theory to Practice", organized by Electronics & ICT Academy (Hub), NIT Warangal, in association with E&ICT Academy (Spoke), March 17-26, 2025	IIITDM Kurnool, Andhra Pradesh, and Vignan’s Foundation for Science, Technology and Research

1.4 Research Development

a) Ph.D. Programme (Specializations):

- Artificial Intelligence and Machine Learning
- Speech and Music Recognition
- Network Security
- Computer Networking
- Big Data and Cloud computing
- Image and Video processing
- Natural Language processing
- Cryptography
- Block chain
- Quantum computing
- Optimization techniques
- Internet of Things
- Health Informatics
- Graph Algorithms and Distributed Computing
- Cellular Network(5G/6G)
- Distributed Artificial Intelligence
- Biometric Security
- Bioinformatics
- Computational Biology
- Medical Image Processing
- Digital Geometry and mathematical imaging
- Computational Geometry

b) Ph.D. Produced/Ongoing (in number):

Completed	Submitted	Ongoing
28	09	88



c) **Ongoing/Completed Sponsored Research Project:**

Sl. No.	Project Title	Principal Investigator(s)	Funding Agency	Cost in lakhs	Duration
1	Intelligent Speech-to-Speech Translation with Lip-Syncing for Educational Domain	Dr. Partha Pakray Principal Investigator (PI)	Sponsored By: SERB or ANRF	23 Lakhs	Feb 02, 2024 - Feb 01, 2027
2	Design & Development of Low-Cost Hemodialysis Machine with Remote Monitoring Facility	Dr. Partha Pakray Principal Co-Investigator, Principal Investigator: Dr. Pratim Sengupta, Nephrocare India Co.	DST-BT, Govt. of West Bengal, Govt. of India	41.12 Lakhs	Sep 01, 2024 - Aug 30, 2027
3	Capacity Building for human resource development in Unmanned Aircraft System (Drone and Related Technology)	Dr. Badal Soni (Co-PI)	MeiTY, IIITDM Kurnool and C-DAC Hyderabad	150 Lakhs	Sep 01, 2022 - Aug 31, 2027
4	Design and Development of Intelligent Cyber-Physical System for Prediction, Early Detection and Remote Monitoring of Alzheimer's Disease in Real-Time using Bio-Multifunctional Smart Wearable Sensors	Dr. Badal Soni (Co-PI)	ANRF	61 Lakhs	Feb 09, 2024 - Feb 08, 2027
5	Deep Learning-based Extraction of Genetic Biomarkers for Early Prediction of Alzheimer's Disease	Dr. Aparajita Dutta (PI)	CSIR	13 Lakhs	June 18, 2024 - June 18, 2026
6	Leveraging AI/ML for Customized Credit Assessment of the Bodo Tribe in the Bodoland Territorial Region	Dr. Aparajita Dutta (Co-PI)	DST (TIH Bhilai)	16.5 Lakhs	Nov 14, 2023 - Nov 14, 2025
7	Secure and Intelligent Platform to Combat Fraudulent Payment Mechanisms and Prank Applications in Financial Transactions	Dr. Aparajita Dutta (Co-PI)	DST (TIH Bhilai)	25.95 Lakhs	March 17, 2025 - March 17, 2027



8	DST- Centre for Learning Science and Technology	Dr. Anupam Biswas (Co-PI)	DST	100 Lakhs	Sep 09, 2022 - Sep 09, 2027
9	Ultrasound Image-based Breast Cancer Prediction and Detection using Deep Learning Computational Techniques	Dr. Anupam Biswas (Co-PI)	ANRF	30 Lakhs	Nov 01, 2022 - Nov 01, 2025
10	Quantum Machine Learning for Social Network Analysis Applications	Dr. Anupam Biswas (PI)	MeiTY	30,000 USD	Apr 25, 2023 - Apr 25, 2025
11	Graph theory & its heuristic algorithm in quantum annealing and computing	Dr. Anish Kumar Saha (PI)	MeitY	29000 USD	June 01, 2023 - Juen 01, 2025
12	MedEdge: Design and Development of Edge Computing-Structured Framework to enhance Healthcare and to enable Collaborative Biomedical Research	Dr. Ripon Patgiri (PI)	SERB	28.6732 Lakhs	March 9, 2022- March 10, 2025

d) Research Paper Reviewed:

Sl. No.	Faculty Name	Journal Name	No. of Paper	Year
1	Dr. Saroj Kr Biswas	IETE Journal of Research	1	2025
2	Dr. Partha Pakray	Natural Language Engineering (now called Natural Language Processing)	3	2025
3	Dr. Anish Kumar Saha	The Journal of Supercomputing, Springer	1	2024
4		Interactions, Springer	1	2024
5		Advanced quantum technologies, Wiley	1	2024
6		SN Computers, Springer	2	2024
7	Dr. Malaya Dutta Borah	Sadhana	1	2024



e) Chairing of the Technical Session

Sl. No.	Faculty Name	Details
1	Dr. Partha Pakray	2 nd International Conference on Signal Processing and Computer Vision (SIPCOV 2025)
2		5 th International Conference on Micro/Nanoelectronics Devices, Circuits, and Systems (MNDSCS 2025)
3		2024 IEEE Students Conference on Engineering and Systems (SCES-2024)
4	Dr. Badal Soni	4 th International Conference on Emerging Electronics and Automation (E2A 2024), NIT Silchar
5		6 th International Conference on Machine Learning, Image Processing, Network Security, and Data Sciences (MIND 2024) at NIT GOA, India
6		8th Edition of International Conference on Microelectronics and Telecommunication Engineering (ICMETE 2024), SRM Institute of Science and Technology, Delhi NCR Campus
7	Dr. Badal Soni	2 nd International Conference on Artificial Intelligence, Computing Technologies, Internet of Things (IoT) and Data Analytics (AICTA2024), NIT Raipur
8		IEEE Students Conference on Engineering and Systems (SCES-2024), MNIT Allahabad, Prayagraj
9	Dr. Malaya Dutta Borah	16 th IEEE International Conference on Computational Intelligence and Communication Networks (CICN-2024) at Oriental University Indore
10		International Conference on Computational Intelligence and Machine Learning (ICCIML 2024)
11		4 th International Conference on Emerging Electronics and Automation (E2A 2024), NIT Silchar
12	Dr. Chukhu Chunka	3rd International Conference on Intelligent and Cloud Computing (ICoICC-2025), SOA ITER Bhubaneswar

1.5 PUBLICATION

a) Journal(s):

[1] Z. Hussain and M. D. Borah, "A Neural Network Integrated Mathematical Model to Analyse the Impact of Nutritional Status on Cognitive Development of Child," *Computers in Biology and Medicine*, vol. 185, 109490, 2025. doi: <https://doi.org/10.1016/j.combiomed.2024.109490>. Indexed in SCIE, Impact Factor: 7.0.

[2] D. Sarkar and A. Biswas, "Complex Preference Analysis: A score-based evaluation strategy for ranking and comparison of the evolutionary algorithms," *Soft Computing*, vol. 29, pp. 1967–1980, 2025, doi: <https://doi.org/10.1007/s00500-025-10525-y>. Indexed in SCIE, Impact Factor: 3.1.

[3] A. Vetagiri, P. Pakray, and A. Das, "A deep dive into automated sexism detection using fine-tuned deep learning and large language models," *Engineering Applications of Artificial Intelligence*, vol. 145, 110167, 2025. Impact Factor: 7.5.



- [4] P. Pakray, A. Gelbukh, and S. Bandyopadhyay, "Natural Language Processing Applications for Low-Resource Languages," *Natural Language Processing*, Cambridge Core, Special Issue, 2025. Impact Factor: 2.3.
- [5] Y. Annepaka and P. Pakray, "Large language models: a survey of their development, capabilities, and applications," *Knowledge and Information Systems*, 2025. Impact Factor: 2.5.
- [6] P. Dadure, P. Pakray, and S. Bandyopadhyay, "Mathematical Information Retrieval: A Review," *ACM Computing Surveys*, 2025. [Online]. Available: <https://doi.org/10.1145/369995>. Impact Factor: 23.8.
- [7] R. Lalramhluna, S. K. Dash, and P. Pakray, "MizBERT: A Mizo BERT Model," *ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP)*, vol. 23, no. 7, Art. no. 99, pp. 1–14, 2024, Impact Factor: 2.0.
- [8] S. Pandey, R. Manna, and P. Pakray, "Quantum Classifier for Natural Language Processing Applications," *Computación y Sistemas*, accepted 2025. doi: 10.13053/CyS-26-3-4358. Impact Factor: 0.6.
- [9] J. P. Borah, P. Devnani, S. K. Das, A. Vetagiri, and P. Pakray, "Real-Time Helmet Detection and Number Plate Extraction Using Computer Vision," *Computación y Sistemas*, 2025. doi: 10.13053/CyS-26-3-4358. Impact Factor: 0.6.
- [10] S. Das, S. K. Biswas, and B. Purkayastha, "Hybrid Feature Based Deep Ensemble Approach for Indian Sign Language Recognition," *Engineering Research Express*, vol. 7, no. 1, Feb. 2025. Indexed in Scopus.
- [11] R. Singh, R. E., and N. B. Muppalaneni, "ExamVision: A Dual-Task System for Academic Misconduct and Stress Detection in Online Exams," *IEEE MultiMedia*, pp. 1–11, 2025. doi: 10.1109/mmul.2025.3591849.
- [12] R. E., A. A. M., and K. G. Thirumalai, "FS_SHAP: Global Interpretable Feature Selection Using XAI for the Classification of Spam SMS in Dravidian Languages," *IEEE MultiMedia*, vol. 32, no. 1, pp. 92–103, Jan. 2025. doi: 10.1109/mmul.2024.3508765.
- [13] R. Singh, R. E., and N. B. M., "MMSAD—A Multi-modal Student Attentiveness Detection in Smart Education Using Facial Features and Landmarks," *Journal of Ambient Intelligence and Smart Environments*, vol. 17, no. 3, pp. 326–348, Feb. 2025. doi: 10.1177/18761364251315239.
- [14] R. P. Singh and L. D. Singh, "DyHand: Dynamic Hand Gesture Recognition using BiLSTM and Soft Attention Methods," *Visual Computer*, vol. 41, Jan. 2025. [Online]. Available: <https://doi.org/10.1007/s00371-024-03307-4>.
- [15] M. F. Singha, R. Patgiri, and L. D. Singh, "A multi-layer echo state network for efficient DDoS detection in resource-constrained environments," *Internet of Things*, vol. 33, 101665, 2025. doi: <https://doi.org/10.1016/j.iot.2025.101665>. Indexed in SCIE.
- [16] M. F. Singha, R. Patgiri, and L. D. Singh, "A tenant-aware deep learning-based intrusion detection system for detecting DDoS attacks in multi-tenant SaaS networks," *Journal of Information Security and Applications*, vol. 94, 104251, 2025. doi: <https://doi.org/10.1016/j.jisa.2025.104251>. Indexed in SCIE.
- [17] M. F. Singha, R. Patgiri, Z. Shamsi, and L. D. Singh, "Zero-day attack detection with a Dynamic-Weighted Contractive Autoencoder and GAN-based evaluation," *Computers and Electrical Engineering*, vol. 128, Part A, 110650, 2025. doi: <https://doi.org/10.1016/j.compeleceng.2025.110650>. Indexed in SCIE.
- [18] R. Rajesh, R. Patgiri, and L. D. Singh, "DYNACLUSTERNET: A Dynamic Clustering Network-Based Routing Optimization for Edge Computing," *Radio Science*, vol. 60, no. 7, Jul. 2025. doi: <https://doi.org/10.1029/2024RS008145>. Indexed in SCIE.



- [19] R. Rajesh and R. Patgiri, "Survey Based on Edge Structured File Systems in Edge Computing," *Tehnički Glasnik*, vol. 19, no. 2, pp. 305–312, Apr. 2025. doi: <https://doi.org/10.31803/tg-20240111081254>. Indexed in Scopus.
- [20] M. Shekhar, A. K. Trivedi, and R. Patgiri, "Enhancing Security and Accuracy in Biometric Systems through the Fusion of Fingerprint and Gait Recognition Technologies," *International Journal of Biometrics*, vol. 17, no. 5, pp. 449–468, 2025. doi: <https://doi.org/10.1504/IJBM.2025.148264>. Indexed in Scopus.
- [21] V. S. N. R. Kadiyala, S. Nayak, and R. Patgiri, "A Novel Framework for Improving Class Imbalance Learning Using Feature Space Identification and Fast Informative Resampling Techniques," *International Journal of Information Technology*, May 2025. doi: <https://doi.org/10.1007/s41870-025-02534-9>. Indexed in Scopus.
- [22] M. Roy, U. Baruah, S. Rajak, and S. Sharma, "Enhancing Predictive Modeling Using CT and CXR Images: A Review of Lung Disease Detection and Experimental Insights," *SN Computer Science*, vol. 6, 507, 2025. doi: <https://doi.org/10.1007/s42979-025-04041-x>. Indexed in SCIE.
- [23] S. Rajak and U. Baruah, "Hybrid transformer-convolution neural network architecture for emoji-aware hostile post classification with custom attention mechanisms," *Engineering Applications of Artificial Intelligence*, vol. 156, p. 111037, 2025. Indexed in SCIE.
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- [43] A. Thakuria, M. Deka, F. Abdulla, S. D. K., R. Kumar, and P. Dhar, "A Hybrid Model for Abnormalities Detection in Upper Extremity Radiographs," in *Proc. ICITEICS 2024*, Bengaluru, India, June 28, 2024, IEEE. doi: 10.1109/ICITEICS61368.2024.10625469, Indexed in Scopus
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c) Book/Chapter:

- [1] S. Bandyopadhyay, V. E. Balas, S. K. Biswas, A. K. Saha, and D. M. Thounaojam, *Intelligent Computing Systems and Applications*, in *Proc. 2nd Int. Conf. ICICSA 2023*, Springer. doi: <https://link.springer.com/book/9789819754113>
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1.6 MAJOR EQUIPMENT ACQUIRED:

Sl. No.	Invoice No. & Date	Item Description	Quantity	Remarks
1	GEM-43482215 10.05.2024	Desktop Computers Hp Intel Core i7 12700 16 GB/ 0 GB HDD/ win-11 Pro	45	For CSE Labs
2	GEM-54126875 07.02.2025	Desktop Computers Acer Intel core i7 13700 16 GB/ 0 GB HDD/ Win-11 Pro	150	For CSE Labs
3	HLBS/24-25/0657 07.03.2025	Workstation HLBS CMW 1000T	01	For Project Under Dr. Ripon Patgiri
4	MI/24-25/069 24.03.2025	Printer Multifunction Machine MFM Model: Brother DCP B7600DB	08	For Faculty Members
5	INB/24-25/327 26.02.2025	Laptop Hp Laptop P7 I7-12 TH -16 GB -512 GB- w-11 5 CD 439244Z1	01	For Dr. Badal Soni
6	GEM-50421221 20.11.2024	Workstation Hp workstation with intel Xeon W3 2432 Processor 32 GB	01	For Project Under Dr. Partha Pakray
7	NTC/10/24-25/37 24.07.2024	Revolving Executive Chairs	01	For Dr. Pinky Roy
8	GEM-50665861 25.11.2024	Revolving Chair	280	For CSE Labs
9	GEM-47540472 22.10.2024	Blue Star (AC) Cooling and Heating 2- Ton 3-Star Inverter AC	04	For Labs: CS19- 02 nos. CS20- 02 nos.
10	ST/24-25/607	Water Dispenser (Voltas)	01	For CSE Office



1.7 PATENT:

Sl. No.	Details	Year
1	M. Shekhar, A. K. Trivedi, R. Patgiri, G. Singh, Z. Shamsi, S. K. Yadav, and A. Choudhury, AI-Based Fingerprint Device for Cybercrime Detection, Indian Design Patent No. 448558-001, dated 21/02/2025.	2025
2	Z. Hussain, M. D. Borah, and R. Beniwal, Device to Analyze the Impact of Nutritional Status on Cognitive Development of Child, Patent Registration ID 423190-001, Controller General of Patents, Designs and Trademarks, Dept. of Industrial Policy and Promotion, Ministry of Commerce and Industry, Govt. of India.	2024
3	Y. Akkem, S. K. Biswas, and A. Varanasi, An Artificial Intelligence Based Explainable Crop Recommendation System.	2024
4	K. N. Das and S. K. Biswas, Processing Device for Mathematical Modelling for Optimal Course-Timetabling.	2024
5	S. K. Biswas, K. N. Das, S. Majumder, B. Purkayastha, and D. Tripathi, A System for Early Detection of Polycystic Ovary Syndrome.	2024
6	S. K. Biswas, A. K. Das, S. Majumder, B. Purkayastha, and D. Tripathi, An Ensemble Learning-Based System for Predicting Crop Yield	2024
7	A. Khan, S. K. Biswas, C. Chunka, S. Majumder, A. Bhattacharya, and A. K. Das, A Machine Learning System for Detecting Obstructive Sleep Apnea.	2025
8	P. Pakray, S. Pandey, and R. Manna, Neural Network Based Processing Device for Sequence Labeling Tasks, Indian Design Patent.	2024
9	B. Bhuyan, S. Debnath, A. K. Saha, and L. Dolendro Singh, A Signcryption Based Outsourced Data Access Control (SBODAC) System, German Patent No. 202024101365, Publication No. DE202024101365U1.	2024

1.8 VISITS TO ABROAD

Sl. No.	Name of the Faculty	Name of the Conference/ Programme	Place	Date
1	Dr. Partha Pakray	Organized by Aix-Marseille University, France and National Institute of Technology, Silchar, India. The workshop aims at introducing the French and Indian communities to quantum natural language processing (QNLP)	Aix-Marseille University, France	Sep 25-27, 2024
2		19th International Conference on Ubiquitous Information Management and Communication (IMCOM), Bangkok, Thailand	Bangkok, Thailand	Jan 04-06, 2025
3	Dr. Badal Soni	IEEE-TENCON 2024, Singapore	Marina Bay Sands Singapore	Dec 01-04, 2024
4	Dr. Anish Kumar Saha	IEEE-TENCON 2024, Singapore	Marina Bay Sands Singapore	Dec 01-04, 2024



1.9 M.Tech. / M.Sc. (Thesis/Project)

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis/Project
1	Aijul Hussain	Dr. Saroj Kr Biswas	Hybrid CNN Based Perceptual Image Hashing
2	Anuj Thakur	Dr. Saroj Kr Biswas	Breast Cancer Prediction using Deep Learning on Mammogram Images
3	Gaurav Dutta Choudhury	Dr. Saroj Kr Biswas	Epileptic Seizure Detection from EEG: A Machine Learning Perspective
4	Md Sajjad Hossain	Dr. Saroj Kr Biswas	Emotion Detection using EEG Signals and Machine Learning
5	Vishwajeet Kumar	Dr. Laiphrakpam Dolendro Singh	Multi-Generative Adversarial Network Approach for Frontal Facial Image Synthesis
6	Md. Laraib Ahmad	Dr. Debbrota Paul Chowdhury	Visual Speech Recognition For Seamless Communication With Hearing Impaired Persons
7	Garima Agarwal	Dr. Debbrota Paul Chowdhury	DUNet: A Dorsal Hand Vein Recognition System Using Ensemble Deep Learning Model
8	Reddi Mohana Krishna	Dr. Partha Pakray	Generative AI Text Detection using Transformers based approaches and Linguistic features.
9	Chandreyee Purkayastha	Dr. Badal Soni	Improved Detection of Bangla Fake News Using Contextual Embeddings from BERT and MuRIL
10	Rohit Kumar Singh	Dr. Badal Soni	Leveraging Machine Learning and Deep Learning Models for Healthcare Fraud Detection: Addressing Class Imbalance in Health Insurance Claims Data
11	Arjun Gogoi	Dr. Aparajita Dutta	Assamese Sentiment Analysis
12	Gaurav Kunwar	Dr. Aparajita Dutta	Sugarcane Leaf Disease Detection and Quality Assessment using Deep Learning
13	Khwairakpam Nishita Devi	Dr. Aparajita Dutta	Sentiment Analysis of Manipuri Social Media Comments
14	Shubham Gupta	Dr. Ramanujam E	Image based HAR using hybrid Deep Learning Techniques
15	Pramesh Maisnam	Dr. Ramanujam E	Novel-variant identification in Genomic Sequence using Machine Learning Techniques
16	Goutam Agarwal	Dr. Anupam Biswas	Descriptive Knowledge Representation in Sanskrit for Data Structure related Concepts



17	Mokshada Potdar	Dr. Malaya Dutta Borah	DB-GPT: Design and Develop a Chatbot for SQL Query Generation
18	Suhana Hussain	Dr. Malaya Dutta Borah	Exploring Minimalism in Neural Networks: A path to efficient Deep Learning
19	Mridupaban Bordoloi	Dr. Malaya Dutta Borah	Prediction of Diabetic using Ensemble multi-model approach
20	Abhijit Mandal	Dr. Shyamosree Pal	Computer-Aided Diagnosis(CAD) System for Thyroid Cancer Prediction Using Ensemble Learning Analytics
21	Ayush Mishra	Dr. Shyamosree Pal	Integrating Swin Transformer with Vision GNN for Enhanced Visual Relationship Prediction
22	Anguka Shohe	Dr. Anish Kumar Saha	Graph Classification Using Gaussian Boson Sampling-Driven Features
23	Arpan Sadhukhan	Dr. Anish Kumar Saha	An Experiment on Ligand Conformation Optimization in Molecular Unfolding and Minimizing Van der Waal Energy in Molecular Docking
24	Devashish Devik	Dr Suganya Devi .K	Neuro-Fuzzy System for Image Segmentation and Feature Extraction
25	Ashar Alam	Dr. Ripon Patgiri	Brain Tumor Detection using Self Supervised-Learning

1.10 Ph.D. Thesis

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis
1	Soumita Das	Dr. Anupam Biswas	Information Diffusion Driven Community Detection Techniques for Social Networks
2	Ravi Kishore Devarapalli	Dr. Anupam Biswas	Development of Rumor Source Identification Techniques for Social Networks using Temporal, Sensory, and Group Information
3	Soumen Das	Dr. Saroj Kr Biswas	Design of Sign Language Recognition System for Indian Sign Language Using Deep Learning Techniques
4	Barsha Abhisheka	Dr. Saroj Kr Biswas	Designing and Developing Expert Systems for Early Detection of Breast Cancer using Advanced Machine Learning Techniques on Ultrasound Images
5	Eduri Raja	Dr. Badal Soni and Dr. Samir Kr. Borgohain	Study on Deep Learning Approaches for Fake News Detection in Low-Resource Dravidian Languages



6	Anji Reddy Vaka	Dr. Badal Soni	Effective Breast Cancer Image Segmentation and Classification Using Deep Neural Networks
7	Arpita Ghosh	Dr. Badal Soni and Dr. Ujwala Baruah	Automatic System for Classification and Segmentation of Brain Abnormalities Using Deep Learning
8	Ravi Teja Gedela	Dr. Ujwala Baruah and Dr. Badal Soni	Empirical Study on Computational Sarcasm Detection in English and Telugu
9	Manojee Roy	Dr. Ujwala Baruah	Development of Novel systems for Classification of Lung Related Diseases and Severity Identification of Covid-19 using Deep Learning Techniques.
10	Santosh Rajak	Dr. Ujwala Baruah	An Empirical Study on Multi-class Classification of Hostile Posts in Hindi Language
11	Pranita Baro	Dr. Malaya Dutta Borah	Handling class imbalance problem using Ensemble learning, Hybrid and Neural Network approaches
12	Moumita Roy	Dr. Dalton M. Thounaojam and Dr. Shyamosree Pal	Design and Development of Perceptual Image Hashing Algorithms and its Applications
13	Arnab Roy	Dr. Anish Kumar Saha	Quantum algorithms for arithmetic, numeric & scientific computation
14	Prasenjit Dhar	Dr. Suganya Devi K.	Analysis and Classification of Various Abnormal Morphologies in Red Blood Cells (RBCs)
15	Hemant Kumar Vasireddy	Dr. Suganya Devi K.	Enhanced Deep Learning model with pipelined preprocessing approach for identifying and classifying Diabetic Retinopathy
16	M. Franckie Singha	Dr. Ripon Patgiri	Design and development of deep learning models for intrusion detection

1. Name of the Department:

Electronics & Instrumentation Engineering





The Department at a glance	
Year of Establishment: 2008	
Academic Programmes Offered: • Bachelor of Technology (B.Tech) • Master of Technology (M.Tech) • Doctor of Philosophy (Ph.D.)	
Total Faculty Strength: 15 + 1(on-lien) • Professor: 1 • Associate Professor: 4 • Assistant Professor: 9 + 1(on-lien)	
Total Student Strength: 399 • B.Tech: 358 • M.Tech: 04 • Ph.D.: 37	
New Students Joined in 2024-2025: 111 • B.Tech: 100 • M.Tech: 03 • Ph.D.: 08	

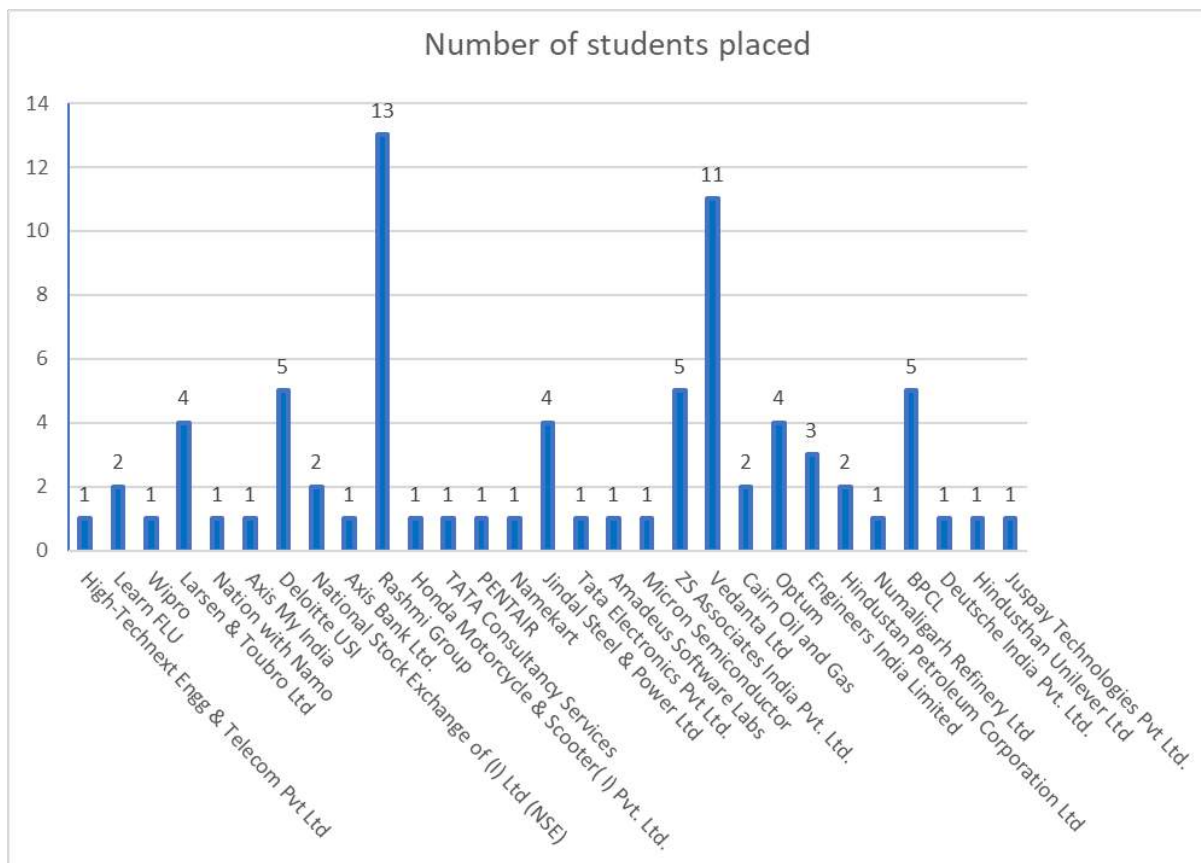


Fig: Placement Statistics of students in the Electronics and Instrumentation Engineering Department (UG and PG) during 2024-2025

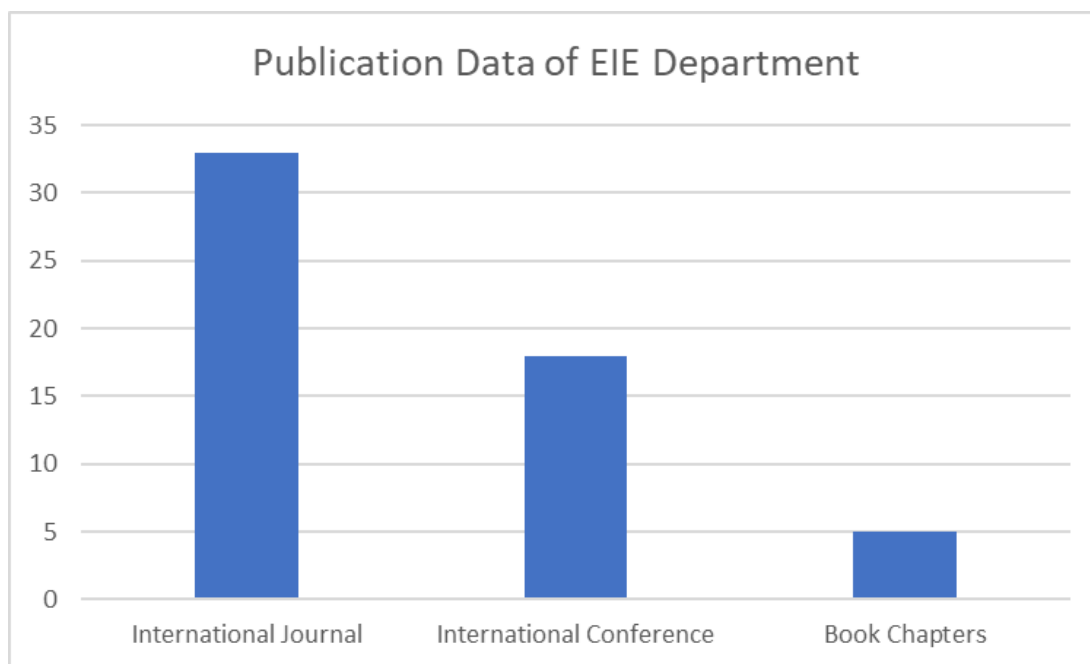


Fig: Publication details of E&I Engineering Department during 2024-2025



1.1 Academic Staff:

Head of the Department: Dr. Munmun Khanra, Associate Professor

Name of Faculty members:

Professor	Associate Professor	Assistant Professor
Prof. Shahedul Haque Laskar	Dr. Rajdeep Dasgupta	Dr. Jupitara Hazarika
	Dr. Munmun Khanra	Dr. Lalu Seban
	Dr. Arun Kumar Sunaniya	Dr. Sudarsan Sahoo
	Dr. Ranjay Hazra	Dr. Shivendra Kumar Pandey
		Dr. Koena Mukherjee
		Dr. Shankar K.
		Dr. Sudipta Chakraborty
		Dr. Anup Kumar Sharma
		Dr. Vipin Chandra Pal
		Dr. Pravin PS
		Dr. Manas Kumar Bera (on- lien)

1.2 Distinction Achieved

a) By Student

- Adrija Bhaduri received the best paper award in the 27th IEEE International Symposium on Wireless Personal Multimedia Communications (WPMC 2024) held at Noida, India, from Nov 17th to Nov 20, 2024.

b) By Faculty Member

- S.H. Laskar received the Best Paper Award in IE 2025, Darmstadt, Germany, in June 2025.
- Ranjay Hazra received the best paper award in the 27th IEEE International Symposium on Wireless Personal Multimedia Communications (WPMC 2024) held at Noida, India, from Nov 17th to Nov 20, 2024.
- Dr. Sudarsan Sahoo received the best paper award in the 3rd International Conference on Advances in Data-driven Computing and Intelligent Systems (**ADCIS 2024**) held at BITS Pilani, KK Birla Goa Campus, India.
- Dr. Shivendra Kumar Pandey awarded Paired Early Career Fellowship in Applied Research (PECFAR) 2024 award from Indo-German Science & Technology Centre (IGSTC).



1.3 SEMINARS, SYMPOSIA, SHORT TERM COURSES, WORKSHOPS

a) Conducted by Faculty Member

Sl. No.	Name(s) of the Coordinator	Title	Funding Agency	Duration
1	Shivendra Kumar Pandey	GIAN course on Chalcogenide based phase change memory for non-volatile data storage	GIAN, MOE	28th July - 01st August 2025
2	S. Verma and Ranjay Hazra	GIAN Course on Circular and Sustainable Multi-Business Model Innovation & Technology	GIAN, MoE	10th February 2025 to 21st February, 2025
3	Ranjay Hazra and Arun K. Sunaniya	GIAN Course on 6G Networks	GIAN, MoE	28th March 2025 to 03rd April, 2025
4	Ranjay Hazra and Ashim K. Das	SPARC Course on INNOVATION AND TECHNOLOGY ENTERPRISE: IDEA TO ENTREPRENEURSHIP	SPARC, GoI	17th April to 24th April, 2024
5	Ranjay Hazra and Ashim K. Das	SPARC Workshop on Creating Innovators	SPARC, GoI	19th July to 21st July 2024
6	Ranjay Hazra, Murugan R. and B. Soni	5th Bootcamp on Skill Development on Drone Technology & Related Applications	MeiTy, GoI	23rd July to 27th July, 2024
7	Ranjay Hazra, Murugan R. and B. Soni	6th Bootcamp on Skill Development on Drone Technology & Related Applications	MeiTy, GoI	28th July to 01st August, 2024
8	Ranjay Hazra, Murugan R. and B. Soni	7th Bootcamp on Skill Development on Drone Technology & Related Applications	MeiTy, GoI	02nd August to 06th August, 2024
9	Ranjay Hazra, Murugan R. and B. Soni	8th Bootcamp on Skill Development on Drone Technology & Related Applications	MeiTy, GoI	07th August to 11th August, 2024
10	Ranjay Hazra, Murugan R. and B. Soni	9th Bootcamp on Skill Development on Drone Technology & Related Applications	MeiTy, GoI	12th August to 16th August, 2024



11	Ranjay Hazra, Murugan R. and B. Soni	10th Bootcamp on Skill Development on Drone Technology & Related Applications	MeiTy, GoI	19th August to 23rd August, 2024
12	Ranjay Hazra, Murugan R. and B. Soni	11th Bootcamp on Skill Development on Drone Technology & Related Applications	MeiTy, GoI	24th August to 28th August, 2024
13	Ranjay Hazra, Murugan R. and B. Soni	12th Bootcamp on Skill Development on Drone Technology & Related Applications	MeiTy, GoI	29th August to 02nd Sept., 2024
14	Ranjay Hazra, Murugan R. and B. Soni	13th Bootcamp on Drone Technology and Related Applications	MeiTy, GoI	15th February to 19th February, 2025
15	Ranjay Hazra, Murugan R. and B. Soni	14th Bootcamp on Drone Technology and Related Applications	MeiTy, GoI	21st February to 25th February, 2025
16	Ranjay Hazra, Murugan R. and B. Soni	15th Bootcamp on Drone Technology and Related Applications	MeiTy, GoI	26th February to 02nd March, 2025
17	Ranjay Hazra, Murugan R. and B. Soni	16th Bootcamp on Drone Technology and Related Applications	MeiTy, GoI	03rd March 2025 to 07th March, 2025
18	Koena Mukherjee and Jupitara Hazarika	5 days training programme of Kendriya Vidyalaya teachers on AI/ML for North-East Region	I-Hub Foundation for Cobotics (IHFC), Technology Innovation Hub of IIT Delhi	20th March 2025 to 24th March 2025
19	Koena Mukherjee and Jupitara Hazarika	5 days training programme of Kendriya Vidyalaya teachers on Robotics/IoT for North-East Region	I-Hub Foundation for Cobotics (IHFC), Technology Innovation Hub of IIT Delhi	25th March 2025 to 31st March 2025



b) Participated by Faculty Member

Sl. No.	Name of Faculty	Details of the Program	Organizing Institute
1	Dr. Ranjay Hazra	Workshop on 6G and beyond	Sharda University, Noida, UP
2	Dr. Vipin Chandra Pal	FDP on Recent Advances in Electrical Electronics & Communication Engineering 2024 from 06-10, May 2024	Galgotia University Noida UP
		Short-Term Programme on Classroom Management and Teaching-Learning & Evaluation in Higher Education from December 03-08, 2024.	UGC-MMTTC, ASSAM UNIVERSITY, SILCHAR and NIT Silchar
3	Dr. Sudarsan Sahoo	CBDE-Pedagogy Workshop on 18-19 March 2025	Tezpur University
4	Dr. Sudarsan Sahoo	Participated as an expert in an awareness session on “how to plan for start-up and legal and ethical steps” on May 2024.	Silchar Polytechnic
5	Dr. Jupitara Hazarika	Expert lecture in One week Short term course on AI driven Signal Processing & VLSI for Wireless Communication (ASPVWC-2025) during 21-26 April 2025.	NIT Delhi
6	Dr. Sudipta Chakraborty	Short-Term Programme on Classroom Management and Teaching-Learning & Evaluation in Higher Education from December 03-08, 2024.	UGC-MMTTC, ASSAM UNIVERSITY, SILCHAR and NIT Silchar

1.4 Research Development

a) Ph.D. Programme (Specializations):

- All areas of Electronics & Instrumentation Engineering

b) Ph.D. Produced/Ongoing (in number):

Completed	Submitted	Ongoing
01	03	26

c) Lab / Workshop:

Sl. No.	Name of Lab/Workshop	Purpose/Linkage to an existing/new programme
1	Development of Drone Technology Laboratory	Retrofitting Departmental Elective on Drone Technology (EI-338) introduced.



d) Ongoing/Completed Sponsored Research Project:

Sl. No.	Project Title	Principal Investigator(s)	Funding Agency	Cost in lakhs	Duration
1	Capacity Building for Human Resource Development in Unmanned Aircraft System (Drone and Related Technology)	Ranjay Hazra (Chief Investigator)	MeiTy, Govt of India	150	2022-2027
2	Inclusive Economic Development of India via Digital STEM&L Education	Ranjay Hazra (PI), Ashim K. Das (Co- PI)	SPAR C, MoE	49.2	2023-2025
3	RIS-aided D2D communication for 5G and beyond networks	Ranjay Hazra (PI)	CRG, SERB (ANRF)	51.3	2024-2026
4	Development of health diagnostic framework for onboard electric vehicle batteries and repurposing of retired batteries”	Munmun Khanra	SERB	22	2022-2025
5	Development of smart solar photovoltaic system having encapsulated phase change material with artificial intelligence based real-time conditioning monitoring	Sudarsan Sahoo (Co- PI)	CRG, SERB	48.66	2024-2027
6	Structural characterization and device performance of superlattice structure-based phase change memory for low power consumption and high-speed non-volatile data storage applications	Shivendra Kumar Pandey (PI)	CRG, SERB	39.41	2024-2027
7	Establishment of Science Technology and Innovation Hub in NIT Silchar, Cachar, Assam, for the socio-economic upliftment of SC/ST population in Assam	Shankar.K. (Co-PI)	DST-SEED	144.37	2022-2025
8	Automation scope in fabricating biodegradable superhydrophobic composite using banana pseudostem fiber and beeswax for sustainable packaging applications	Anup Kumar Sharma (Co-PI)	DST	22	2024-2027



9	Development of socio-economic portable biodegradable nanosensing electrodes for heavy metal detection in water in the North-Eastern region	Anup Kumar Sharma (PI)	IERP-NIHE	13.90	2024-2027
10	Design and Implementation of hybrid underwater vehicle manipulator (HUV) for cleaning of bio-fouling on a submerged pipeline in a sea	Koena Mukherjee (PI)	POWER, SERB	36.45	2022-2025
11	Design and implementation of a 1. AUV for pisciculture, 2. ROV for river water quality inspection	Koena Mukherjee (CO-PI)	TIH-IITG	30	2022-2025

e) Research Paper Reviewed:

Sl. No.	Faculty Name	Journal Name	No. of Paper	Year
1	Prof. S. H. Laskar	IEEE IM	03	2024-25
2	Dr. Ranjay Hazra	IEEE Communication Letters	02	2024-25
		International Journal of Communication Systems, Wiley	03	
		IEEE Transactions on Image Processing	02	
		Transactions on Emerging Telecommunication Technologies, Wiley	03	
		IEEE Internet of Things Journal	01	
		IET Image Processing	01	
		IEEE Transactions on Network and Service Management	02	
3	Koena Mukherjee	Ocean Engineering, Elsevier	01	2024-25
		IEEE Systems Journal	01	
		Communications Engineering Nature Portfolio	01	
4	Jupitara Hazarika	Plos One	01	2024-25
		PeerJ Computer science	01	
5	Sudipta Chakraborty	ISA Transactions	02	2024-25
		International Journal of Dynamics and Control	01	
6	Dr. Sudarsan Sahoo	Measurement	01	2024-25
		Mechanical systems and signal processing	01	
7	Dr Anup Kumar Sharma	Scientific Reports	01	2024-25



f) Chairing of the Technical Session :

Sl. No.	Faculty Name	Details
1	Dr. Koena Mukherjee	Session chair at E2A 2024 held at E&IED N IT Silchar from 09-11, Dec. 2024.
2	Dr. Vipin Chandra Pal	Session chair at SCES 2024 organized by EED MNNIT Allahabad Prayagraj from June 21-23, 2024
		Session chair at E2A 2024 held at E&IED N IT Silchar from 09-11, Dec. 2024
3	Dr. Ranjay Hazra	Session chair at E2A 2024 held at E&IED N IT Silchar from 09-11, Dec. 2024.
		Session chair at SCES 2024 organized by EED MNNIT Allahabad Prayagraj from June 21-23, 2024
		Session Chair at MNDCS 2025 held at NIT Silchar from Jan 29-31, 2025
		Session Chair at 4th International Conference on Modelling Simulation and Optimization (CoMSO-2024) held at NIT Silchar from Nov 16-18, 2024.
4	Dr. Shivendra Kumar Pandey	Session chair at E2A 2024 held at E&IED N IT Silchar from 09-11, Dec. 2024.
		Session Chair at MNDCS 2025 held at NIT Silchar from Jan 29-31, 2025
5	Dr. Jupitara Hazarika	Session chair at E2A 2024 held at E&IED N IT Silchar from 09-11, Dec. 2025.
6	Dr. Sudarsan Sahoo	Session Chair at MNDCS 2025 held at NIT Silchar from Jan 29-31, 2025
		Session chair at E2A 2024 held at E&IED N IT Silchar from 09-11, Dec. 2025
7	Dr. Anup Kumar Sharma	Session Chair at 4th International Conference on Modelling Simulation and Optimization (CoMSO-2024) held at NIT Silchar from Nov 16-18, 2024.
8	Dr. Sudipta Chakraborty	Session Chair at 4th International Conference on Modelling Simulation and Optimization (CoMSO-2024) held at NIT Silchar from Nov 16-18, 2024.
		Session chair at E2A 2024 held at E&IED N IT Silchar from 09-11, Dec. 2024.
		Session Chair at MNDCS 2025 held at NIT Silchar from Jan 29-31, 2025



1.5 PUBLICATION

a) Journal(s):

1. Sharma, A. K., Sharma, A. K., and Sharma, R. (2025). "Synthesis and study of r-GO/polyaniline composite and design estimation for THz applications." *Materials Science and Technology*. DOI: 10.1177/02670836241310712.
2. Sharma, A. K., Sharma, A. K., Sharma, R., Sharma, P., and Sharma, M. D. (2025). "Spray Coated GNP-PDMS Flexible Patch Antenna-Sensor for Wireless Wearable Applications." *IEEE Transactions on Materials for Electron Devices*. DOI: 10.1109/TMAT.2025.3539249.
3. Sharma, A. K., Sharma, A. K., Sharma, R., Sharma, P., and Singh, S. (2024). "Multifunctional transparent conductive flexible sensor based on graphene/polyaniline/graphene sandwich composite on PDMS substrate." *IEEE Sensors Journal*. DOI: 10.1109/JSEN.2024.3418851.
4. Ghosh, A., Nath, K., Bera, M. K., and Laskar, S. H. (2024). "A two loop sliding mode controller for upper limb exosuit in presence of actuator non-linearities." *IFAC-PapersOnLine*, 57, 244–249. <https://doi.org/10.1016/j.ifacol.2024.05.042>
5. Meena, R., Chakraborty, S., Pal, V. C., and Lala, H. (2024). "Experimentally validated fractional-order PI with anti-windup for fractional-order plus time delay processes." *International Journal of Dynamics and Control*, 12(12), 4232–4243.
6. Singh, V., Alankrita, Pal, V. C., and Pati, A. (2024). "Adaptive Type-2 fuzzy filter with kernel density estimation for impulse noise removal." *IEEE Transactions on Fuzzy Systems*, 32(12), 7183–7189. DOI: 10.1109/TFUZZ.2024.3463792.
7. Meena, R., Chakraborty, S., and Pal, V. C. (2024). "Experimentally validated analytical single parametric FOTID control for time-delayed fractional order processes." *International Journal of Systems Science*, 55(15), 3223–3237. DOI: 10.1080/00207721.2024.2367095.
8. Nambisan, P., and Khanra, M. (2024). "Optimal power-split of hybrid energy storage system using PMP and deep reinforcement learning approach for EV application." *Applications of Artificial Intelligence*, 135, 108769. DOI (article id): 10.1016/j.engappai.2024.108769.
9. Sinha, S. S., Nambisan, P., and Khanra, M. (2024). "Improved coupled electrothermal model of lithium-ion battery for accurate core temperature estimation at high current." *IEEE Transactions on Consumer Electronics*, 70(4), 6463–6471. DOI: 10.1109/TCE.2024.3445769.
10. Sinha, S. S., Nambisan, P., and Khanra, M. (2024). "Improved coupled electrothermal model of lithium-ion battery for accurate core temperature estimation at high current." *IEEE Transactions on Consumer Electronics*, 70(4), 6463–6471. <https://doi.org/10.1109/TCE.2024.3445769>
11. Akhter, J., Hazra, R., Mihovska, A., and Prasad, R. (2024). "A novel resource sharing scheme for vehicular communication in 5G cellular networks for smart cities." *IEEE Transactions on Consumer Electronics*, 70(3), 5848–5856. <https://doi.org/10.1109/TCE.2024.3392435>
12. Goswami, P., Hazra, R., Milos, P., Choi, K., and Eider, M. (2024). "A novel approach of efficient resource allocation in smart consumer electronics device network." *IEEE Transactions on Consumer Electronics*, 70(3), 5895–5902. <https://doi.org/10.1109/TCE.2024.3414124>



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14. Sarma, S. S., Sachan, A., Hazra, R., Talukdar, F. A., Mukherjee, A., Chatterjee, P., and Alnumay, W. (2024). "D2D communication in a 5G mm-wave cellular network for wireless sensor networks." *IEEE Sensors Journal*, 24(5), 5512–5521. <https://doi.org/10.1109/JSEN.2023.3300586>
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16. Mishra, A. K., and Pandey, S. K. (2024). "Elucidating temperature-dependent local structure change and optical properties in GeTe phase change material." *Journal of Applied Physics*, 136, 155304.
17. Pathak, A., and Pandey, S. K. (2024). "Influence of HfO₂ oxide layer on crystallization properties of In₃SbTe₂ phase change material." *Physica Scripta*, 99, 095944.
18. Pathak, A., and Pandey, S. K. (2024). "Low power crystallization process in In₃SbTe₂ phase-change memory devices with thin oxide layer." *Physica Status Solidi B*, 261(5), 2400081.
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20. Rasul, T., and Mukherjee, K. (2025). "Data-driven controller adaptation and parameter estimation in autonomous underwater vehicles by genetic algorithm enhanced unfalsification approach." *Robotica*, 43(8), 3030–3057. <https://doi.org/10.1017/S0263574725102099>
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23. Mohanty, S. R., Palanisamy, C., Sahoo, S., and Rouray, S. (2024). "Unlocking the potential of kesterite solar cells: Quantum confinement structures to pave the way for high-performance photovoltaic technologies." *Physica Status Solidi (a)*, 221(23).
24. Sethi, M. R., Subba, A. B., Faisal, M., and Sahoo, S. (2024). "Fault diagnosis of wind turbine blades with continuous wavelet transform-based deep learning model using vibration signal." *Engineering Applications of Artificial Intelligence*, 138(B), 109372. <https://doi.org/10.1016/j.engappai.2024.109372>
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28. Meena, R., Chakraborty, S., Pal, V. C., and Mehta, U. (2025). "Designing fractional-order ramp controller with explicit formulas using non-integer plant parameters." *Proceedings of the Institution of Mechanical Engineers, Part I: Journal of Systems and Control Engineering*, 239(3), 490–506. <https://doi.org/10.1177/09596518241277972>
29. Singha, P., Das, D., Chakraborty, S., and Raja, G. L. (2024). "Experimentally validated predictive PI–PD control strategy for delay-dominant chemical processes." *Chemical Engineering Science*, 295, 120197. <https://doi.org/10.1016/j.ces.2024.120197>
30. Meena, R., Chakraborty, S., and Pal, V. C. (2024). "Experimentally validated analytical single parametric FOTID control for time-delayed fractional order processes." *International Journal of Systems Science*, 55(15), 3223–3237. <https://doi.org/10.1080/00207721.2024.2367095>
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32. Das, D., Chakraborty, S., Kumar, D., and Raja, G. L. (2024). "Dual-loop PID control strategy for ramp tracking and ramp disturbance handling for unstable CSTRs." *Chemical Product and Process Modeling*, 19(6), 967–987. <https://doi.org/10.1515/cppm-2024-0081>
33. Meena, R., Chakraborty, S., Pal, V. C., and Lala, H. (2024). "Experimentally validated fractional-order PI with anti-windup for fractional-order plus time delay processes." *International Journal of Dynamics and Control*, 12(12), 4232–4243. <https://doi.org/10.1007/s40435-024-01483-8>

b) International Conference(s):

1. Sufiyan, N., & Sharma, A. K. (2025). "Dual-Segment AlGaIn/GaN MOS HEMTs: A Simulation Study on pH Sensitivity Enhancement and Performance Optimization." 6th International Conference for Emerging Technology (INCET 2025), IEEE, May 2025, pp. 1–6.
2. Sufiyan, N., & Sharma, A. K. (2024). "Investigation of T-Gate AlGaIn/AlN/GaN HEMT for Biosensing Application and Sensitivity Optimization." IEEE Silchar Subsection Conference (SILCON 2024), November 2024, pp. 1–6.
3. Sharma, A. K., Sharma, A. K., & Sharma, R. (2024). "Design Estimation and Model Study of Graphene/PANI Composite (GPC) Material for THz Antenna Applications." International Conference on Modeling, Simulation and Optimization (CoMSO 2024), Organized by National Institute of Technology Silchar, Assam, India, November 16–18, 2024.
4. Karna, H. B., Dipta, D. D., Datta, B., & Pal, V. C. (2024). "A Comparative Analysis of Brain Tumor Classification Using Different Transfer Learning Models." IEEE Silchar Subsection Conference (SILCON 2024), Agartala, India, pp. 1–6. DOI: 10.1109/SILCON63976.2024.10910690.



5. Meena, R., Chakraborty, S., & Pal, V. C. (2024). "Frequency Domain Specification-Based Fractional Controller for Proton Exchange Membrane Fuel Cell." IEEE 11th Power India International Conference (PIICON 2024), Jaipur, India, pp. 1–6. DOI: 10.1109/PIICON63519.2024.10995023.
6. Meena, R., Chakraborty, S., & Pal, V. C. (2024). "Comparative Study on Unstructured Fractional Controller with Approximated Structured FOPID Controller for Industrial Processes." IEEE Students Conference on Engineering and Systems (SCES 2024), Prayagraj, India, pp. 1–5. DOI: 10.1109/SCES61914.2024.10652528.
7. Mohd, Z., Saboor, A., Akhtar, S. A., Siddiqui, M. A., & Laskar, S. H. (2024). "IoT-Driven Water Level Monitoring for Sustainable Resource Management: Design, Implementation, and Data Analytics." International Conference on Emerging Electronics and Automation (E2A 2024), National Institute of Technology Silchar, India, December 2024.
8. Laskar, S. H., Chakka, M. B., Garikapati, J., Kumar, S. H. D., Polapragada, S. S., Gazi, F., & Hussain, M. (2025). "Integrated Underwater Data Transmission and Object Detection System Using TinyML and Multi-Hop Network." 21st International Conference on Intelligent Environments (IE 2025), Darmstadt, Germany, June 2025. DOI: 10.1109/IE64880.2025.11130056.
9. Devi, M. K. N., Laskar, S. H., Gazi, F., & Hussain, M. (2025). "Leveraging Edge Resources for Indoor Localization for Improved Accuracy." 21st International Conference on Intelligent Environments (IE 2025), Darmstadt, Germany, June 2025. DOI: 10.1109/IE64880.2025.11130135.
10. Das, S., Karna, H. B., Das, S., & Hazra, R. (2024). "Disease Detection in Plant Leaves Using Transfer Learning." IEEE International Conference on Electronics, Communication and Signal Processing (ICECSP 2024), New Delhi, India.
11. Akhter, J., Hazra, R., & Mihovska, A. (2024). "Resource and Power Allocation for Reliable 5G V2X Communication." IEEE 27th International Symposium on Wireless Personal Multimedia Communications (WPMC 2024), Greater Noida, India.
12. Bhaduri, A., Hazra, R., & Mihovska, A. (2024). "RIS-Assisted D2D Communication in 5G and Beyond." IEEE 27th International Symposium on Wireless Personal Multimedia Communications (WPMC 2024), Greater Noida, India.
13. Bhuyan, P., Sharma, B., Bora, A., & Hazra, R. (2024). "Optimizing Diabetes Prediction: Hyperparameter Tuning and Type Classification Hypotheses with Deep Neural Network." IEEE MIND 2024 Conference, National Institute of Technology Goa, India.
14. Ghatak, A., & Mukherjee, K. (2024). "Open Loop Thruster Dynamics with System Identification Method of an Unmanned Underwater Vehicle." 6th International Conference on Emerging Technologies: Micro to Nano (ETMN-2024), Jamia Millia Islamia, New Delhi, India, November 22–23, 2024.
15. Kar, P., & Hazarika, J. (2024). "Frequency Band Power-Based EEG Channel Selection for Emotion Recognition." IEEE 3rd International Conference for Advancement in Technology (ICONAT 2024), Goa, India, September 13–15, 2024.
16. Das, D., Shankar, K., & Hazarika, J. (2024). "EEG Signal Analysis to Verify the Impact of Music on Human Emotions." IEEE International Conference on Brain Computer Interface & Healthcare Technologies (iCon-BCIHT 2024), Thiruvananthapuram, Kerala, India, December 19–20, 2024.



17. Das, D., Shankar, K., & Hazarika, J. (2024). "Human Emotion Recognition Using EEG Signal Based on Different Machine Learning Algorithms." International Conference on Emerging Electronics and Automation (E2A 2024), Silchar, India, December 9–11, 2024.
18. Mohapatro, S. R., Mulchandani, M., Mohanty, N., Sethi, M. R., & Sahoo, S. (2024). "Fault Detection in Wind Turbine Using Soft Sensing Approach." 3rd International Conference for Advancement in Technology (ICONAT 2024), IEEE, 2024.

c) Book/Chapter:

1. Pal, V. C., Tripathi, S. L., & Ganguli, S. (2024). Industrial Control Systems. John Wiley & Sons, USA.
2. Roy, A., Saha, P., Stroe, D. I., & Khanra, M. (2025). "A Comparative Study on the Various Aging Laws Governing Lithium-Ion Capacitor Cycling Aging." In Lecture Notes in Electrical Engineering (pp. 179–188). Springer Nature. https://doi.org/10.1007/978-981-97-6802-8_15.
3. Bansal, S., Khandelwal, A., & Khanra, M. (2024). "Energy Storage System Optimum Sizing in Battery Electric Vehicle: The Role of Battery Modelling." In Electric Vehicle Propulsion Drives and Charging Systems (pp. 273–291). CRC Press.
4. Akhter, J., Hazra, R., & Gour, R. (2025). "Power Allocation for IoV Networks in Smart Cities." In Internet of Vehicles and Computer Vision Solutions for Smart City Transformations (pp. 115–131). Lecture Notes in Intelligent Transportation and Infrastructure. Springer. https://doi.org/10.1007/978-3-031-72959-1_6.
5. Ghatak, A., & Mukherjee, K. (2025). "Open Loop Thruster Dynamics with System Identification Method of an Unmanned Underwater Vehicle." In Emerging Technologies with Advanced Devices from Micro to Nano (ETMN 2024) (pp. 659–670). Lecture Notes in Electrical Engineering. Springer. <https://doi.org/10.1007/978-3-031-84331-0>.

1.6 MAJOR EQUIPMENT ACQUIRED:

- Software Defined Radio, Budget: 32 lakhs, Project Sanction no: [CRG/2023/008266](#)
- Quadcopters, Flight Simulators, Drone Simulators, DJI Drones, Budget: 20.6 lakhs, Project Sanction no: [L-14011/29/2021-HRD](#)
- Doppler VELOCITY Log, Marine Autonomous Robotics Systems Lab (MARS), Project Sanction NO. SERB/POWER SPG/2021/004750.

1.7 PATENT:

Sl. No.	Details	Year
1	A FOOTWEAR-BASED ENERGY HARVESTING SYSTEM FOR GENERATING ELECTRICAL POWER AND ITS METHOD THEREOF , Status Granted, Applicant Dr. Vipin Chandra Pal, Dr. Sudipta Chakraborty, Dr. Koena Mukherjee, Patent Number :570216	2025



1. Name of the Department:

Mathematics



The Department at a glance	
Year of Establishment: 1977	
Academic Programmes Offered: ● Master of Science (M.Sc.) ● Doctor of Philosophy (Ph.D.)	
Total Faculty Strength: 17 ● Professor: 02 ● Associate Professor: 04 ● Assistant Professor: 11	
Total Student Strength: 89 ● M.Sc.: 46 ● Ph.D.: 43	
New Students Joined in 2024-2025: 33 ● M.Sc.: 22 ● Ph.D.: 11	

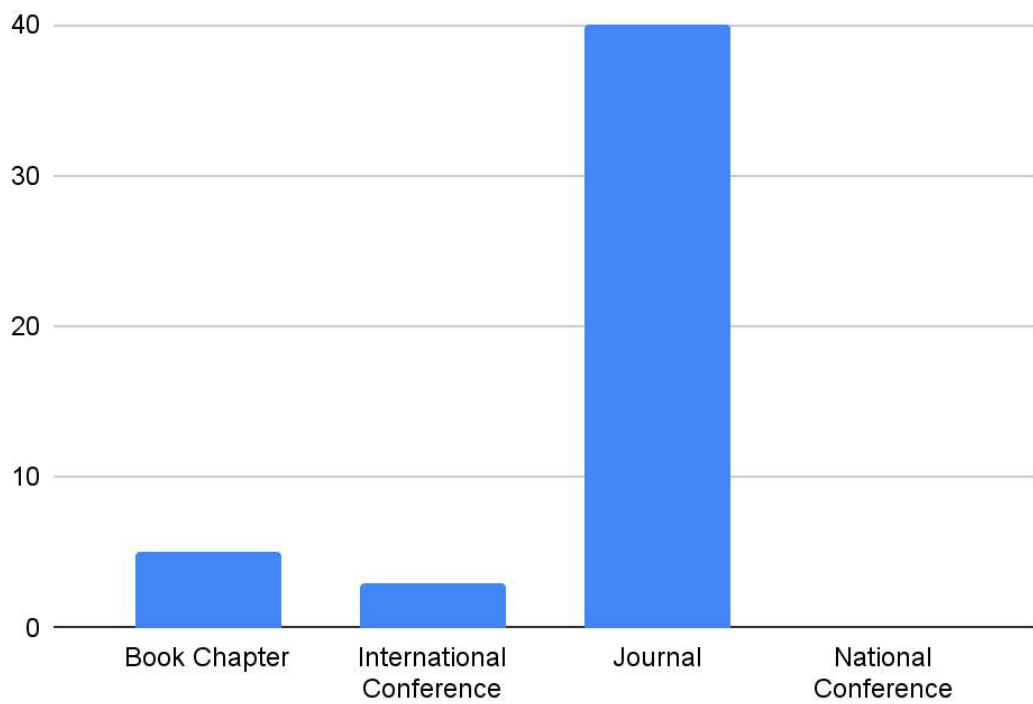


Fig: Publication details of Mathematics Department during 2024-2025

1.1 Academic Staff:

HEAD of the Department: Dr. Kedar Nath Das, Associate Professor

Name of Faculty members:

Professor	Associate Professor	Assistant Professor
Prof. Mausumi Sen	Shri. Bijan Nath	Dr. Ganti Ramesh
Prof. Santanu Roy	Dr. Kedar Nath Das	Dr. Md. Maqbul
	Dr. Pijus Kanti De	Dr. Balla Hema Sundar Raju
	Dr. Subrata Bera	Dr. Praveen Kumar Gupta
		Dr. Pankaj Biswas
		Dr. Juthika Mahanta
		Dr. Santan Kumar
		Dr. Aryaman Sensarma
		Dr. Ramakrishna Manchi
		Dr. Arijit Jana
		Dr. Avijit Das



1.2 Distinction Achieved:

a) By Student:

- Ph.D. Student Md Hasanuzzaman (Registration No: 21308025) received the Best Paper Award and the Best Presentation Award in the International Conference on Computational Mathematics and Applications (ICCMA2025).
- M.Sc Student Hemanga Jyoti Parasar (Registration No.: 2348111) qualified GATE 2025 in Mathematics (MA) with AIR 888.
- M.Sc Student Hemanga Jyoti Parasar (Registration No.: 2348111) received the National Scholarship for Post Graduate Studies.

b) By Faculty Member:

- Dr. Santan Kumar was awarded Institute of Physics (IOP) Trusted Reviewer Status in recognition of an exceptionally high level of peer review competency.
- Dr. Praveen Kumar Gupta delivered a Distinguished talk on “Mathematical Modeling of COVID-19 Disease: Impact of Media Influence and Reinfection” at Assam University (A Central University), Silchar dated 20th December 2024.

1.3 SEMINARS, SYMPOSIA, SHORT TERM COURSES, WORKSHOPS

a) Conducted by Faculty Member

Sl. No.	Name(s) of the Coordinator	Title	Funding Agency	Duration
1	Dr. Kedar Nath Das	Organized an ‘International Conference on Computational Mathematics and Applications (ICCMA 2025), NIT Silchar. (As Organizing Chair)	NIT Silchar, SERB, DST, DRDO	16th January–18th January 2025

b) Participated by Faculty Member

Sl. No.	Name of Faculty	Details of the Program	Organizing Institute
1	Dr. Arijit Jana	Presented a paper titled “A new extension of some supercongruences related to (B.2) and (C.2) supercongruences of Van Hamme”, at Combinatorial Number Theory And Connected Topics (CONTACT - IV), March 29-30, 2025. (Online)	Ahmedabad University, India
2	Dr. Santan Kumar	Delivered Invited Lectures as a Resource Person for “Mathematical Nurture Program for Undergraduates” organised by the Department of Mathematics, Gurucharan College, Silchar sponsored by Homi Bhabha Centre for Science Education, Mumbai with support from National Board for Higher Mathematics during October 21 to 25, 2024.	Gurucharan College, Silchar, Assam, India



3	Dr. Santan Kumar	Attended Short-term programme (equivalent to one week faculty development programme) on “Classroom Management and Teaching-Learning & Evaluation in Higher Education” organized by National Institute of Technology Silchar, Assam, India under the aegis of UGC-MMTTC, Assam University, Silchar during December 03-08, 2024.	National Institute of Technology Silchar, Assam, India
4.	Dr. Santan Kumar	Attended “Fourth International Conference on Mechanics of Advanced Materials and Structures (ICMAMS 2024)” organized by Ramaiah Institute of Technology, Bengaluru, India, Texas A & M University, USA and Politecnico di Torino, Italy at M S Ramaiah Institute of Technology, Bengaluru during December 11-13, 2024 and presented a paper entitled “Modeling of Electro-Magneto-Elastic Composite Waveguides with Interfacial Imperfection”.	Ramaiah Institute of Technology, Bengaluru, India, Texas A & M University, USA and Politecnico di Torino, Italy
5	Dr. Balla Hema Sundar Raju	Short-term program on Classroom Management and Teaching-Learning & Evaluation in Higher Education, December 3-8, 2024.	UGC-MMTTC, Assam University
6.	Dr. Aryaman Sensarma	Invited talk on “Russo-Dye type Theorem, Stinespring representation, and Radon-Nikodym derivative for invariant block multilinear completely positive maps”, Noncommutative Mathematics and Applications (NCMA) (A part of this conference will be dedicated to commemorating Former ISI Director Professor Kalyan Bidhan Sinha’s (KBS’s) 80th birthday), October 24-26, 2024.	Indian Statistical Institute, Bangalore
7.	Dr. Aryaman Sensarma	Invited talk on “Russo-Dye type Theorem, Stinespring representation, and Radon-Nikodym derivative for invariant block multilinear completely positive maps”, Ramanujan Mathematical Society Symposium– Functional Analysis, The 39th Annual Conference of the RMS, Christ University, Bangalore, 27–29 December 2024.	Christ University, Bangalore
8.	Dr. Praveen Kumar Gupta	Invited talk on “Mathematical Modeling of Diseases, emphasizing HIV-AIDS” in the 6 th National Conference on Recent Advancement in Physical Sciences jointly organized by DIT University, Dehradun and National Institute of Technology, Uttarakhand dated February 14-15, 2025.	DIT University, Dehradun and National Institute of Technology, Uttarakhand



1.4 Research Development

a) Ph.D. Programme (Specializations):

- Evolutionary Optimization, Networking Optimization, Multi-objective Optimization, Operations Research and Optimization Techniques
- Computational Fluid Dynamics, Micro and Nanofluidics Transport, Computational Mathematics.
- Fuzzy and generalized fuzzy sets, Fuzzy set theory and Optimization.
- Elastodynamics, Wave Propagation, Theoretical Seismology, Mathematical Modeling, Solid Mechanics, Smart Materials and Structures, Micro-Continuum Modeling.
- Integral equation, Integro-differential equation with application to image processing, Inverse eigenvalue problem, Sequence spaces and summability.
- Differential Equations in Abstract Spaces, Approximation of Solutions to Differential Equations, Almost Periodicity of Solutions of Differential Equations.
- Numerical methods to PDE- application to heat transfer and MHD flows, Numerical Methods for ODE.
- Supply Chain Management, Inventory Management.
- Hypergeometric series, Ramanujan-type supercongruences, p-adic analysis, q-series, and Partition theory.
- Mathematical Modelling of Biological Problems.
- Fractional Calculus, Graph Theory Applications.
- Linear algebra, Functional Analysis, and Operator Theory.

b) Ph.D. Produced/Ongoing (in number):

Completed	Submitted	Ongoing
06	05	38

c) Lab / Workshop:

Sl. No.	Name of Lab/Workshop	Purpose/Linkage to an existing/new programme
1	Operations Research Laboratory	To conduct PG lab (Operations Research) and to serve the Ph.D research, R & D.



d) Ongoing/Completed Sponsored Research Project:

Sl. No.	Project Title	Principal Investigator(s)	Funding Agency	Cost in lakhs	Duration
1	Spectral Element Method for Parabolic Initial Boundary Value Problems with Corner Singularities (Ongoing)	Dr. Pankaj Biswas	DST-SERB MATRICS project (File No. MTR/2021/000 854)	Rs 6 Lakh	3 Years from (21/02/2022 - 20/02/2025)
2	Development of Smart Solar Photovoltaic System having Encapsulated phase change material with artificial intelligence based real-time condition monitoring (Ongoing)	Dr Sudipta Haldar Dr Agnimitra Biswas Dr Sudarshan Sahoo Dr Kedar Nath Das	CRG, SERB, Govt. of India	46.23 Lakhs	3 years
3	Elastodynamic Waves in Complex Stratified Structures: A Mathematical Approach (Sanction No. 02011/53/2023NBHM(R.P)/R&D-II/16483)	Dr. Santan Kumar	National Board for Higher Mathematics, Department of Atomic Energy, Government of India	Rs. 16,85,400/-	3 years

e) Research Paper Reviewed

Sl. No	Faculty Name	Journal Name	No. of Paper	Year
1	Dr. Juthika Mahanta	Renewable Energy	1	2025
		Engineering application of artificial intelligence	2	2024, 2025
2	Dr. Arijit Jana	Journal of Mathematical Analysis and Applications	1	2024
		Proceedings of the National Academy of Sciences, India - Section A	2	2024, 2025



3	Dr. Santan Kumar	International Journal of Geomechanics	2	2024-25
		Physica Scripta	3	2024-25
		Results in Engineering	2	2024-25
		Mechanics of Materials	3	2024-25
		Smart Materials and Structures	1	2024-25
		International Journal of Solids and Structures	1	2024-25
		Mathematics and Mechanics of Solids	3	2024-25
		Journal of Physics Communications	2	2024-25
		Iranian Journal of Science and Technology, Transactions of Mechanical Engineering	2	2024-25
		Journal of Marine Science and Engineering	2	2024-25
		International Journal of Geomathematics	1	2024-25
		Ain Shams Engineering Journal	1	2024-25
		Buildings	2	2024-25
		Discover Mechanical Engineering	1	2024-25
		Discover Applied Sciences	1	2024-25
		Mathematics	1	2024-25
		International Conference on Computational Mathematics and Applications	1	2024-25
4	Dr. Praveen Kumar Gupta	Physica A: Statistical Mechanics and its Applications	1	2024
		Communications in Nonlinear Science and Numerical Simulation	1	2024
		Journal of Computational Science	1	2024
		Journal of Thermal Analysis and Calorimetry	1	2024
		Discontinuity, Nonlinearity, and Complexity	1	2024
		Mathematics and Computers in Simulation	1	2025
		Journal of Nonlinear Modeling and Analysis	1	2025
5	Dr. Balla Hema Sundar Raju	European Journal of Physics Plus	2	2024
		Numerical Heat Transfer Part A	1	2024
6	Dr. Subrata Bera	Soft Matter	1	2024
		Molecular Simulation	1	2024



f) Chairing of the Technical Session

Sl. No.	Faculty Name	Details
1	Dr. Santan Kumar	Chaired a Technical Session on “Mathematical Modeling” for “International Conference on Computational Mathematics & Applications (ICCM)” organized by the Department of Mathematics, National Institute of Technology Silchar, Assam, India during January 16-18, 2025.
2.	Dr. Aryaman Sensarma	Session Chair at Ramanujan Mathematical Society Symposium-- Functional Analysis, The 39th Annual Conference of the RMS, Christ University, Bangalore, December 2024.

1.5 PUBLICATION

a) Journal(s):

1. Kumar, N., and Mahanta, J. (2025). “A hybrid decision making framework with Pythagorean fuzzy information for childhood cancer prognosis.” *Sahand Communications in Mathematical Analysis*, 22(2), 109–141. <https://doi.org/10.22130/scma.2024.2038238.1851>
2. Jana, S., Patel, A., and Mahanta, J. (2025). “Pythagorean fuzzy quasi coincidence: analysis and applications.” *Engineering Applications of Artificial Intelligence*, 147, 110291. <https://doi.org/10.1016/j.engappai.2025.110291>
3. Kumar, N., and Mahanta, J. (2025). “Exploring social media addiction using an adapted distance measure through hybrid Pythagorean MCDM methodology.” *Arabian Journal for Science and Engineering*. <https://doi.org/10.1007/s13369-025-10402-8>
4. Kumar, N., Patel, A., and Mahanta, J. (2025). “K-L divergence based distance measure for Pythagorean fuzzy sets with various applications.” *Journal of Experimental & Theoretical Artificial Intelligence*, 37(4), 551–571. <https://doi.org/10.1080/0952813X.2023.2240813>
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9. Das, S., Srivastava, P.K., and Biswas, P. (2025). “The role of social media in a tuberculosis compartmental model: Exploring Hopf-bifurcation and nonlinear oscillations.” *Mathematics and Computers in Simulation*, 230, 323–349.
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22. Devi, A., and Gupta, P.K. (2024). "Impact of media information and reinfection in a COVID-19 dynamical model: emergence of periodic orbits through Hopf bifurcation." *Physica Scripta*, 99(7), 075207
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32. Das, R., and Das, K.N. (2024). "An Effective Evolutionary Algorithm for Solving Uncertain Fixed Charge Transportation Problem with Damageable Items." *International Journal of System Assurance Engineering and Management*, 15, 5231–5245
33. Saha, R., and Raju, B.H.S. (2024). "Influence of isoflux boundary condition on forced convection due to arbitrary orientation of magnetohydrodynamic flow in cylindrical geometry." *The European Physical Journal Plus*, 139, 422
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36. Narang, P., De, P., Lim, C.P., and Kumari, M. (2024). "Optimal Recycling Model Selection in a Closed-Loop Supply Chain for Electric Vehicle Batteries under Carbon Cap-Trade and Reward-Penalty Policies using the Stackelberg Game." *Computers & Industrial Engineering*, 196. <https://doi.org/10.1016/j.cie.2024.110512>
37. Singh, R., De, P.K., Barman, A., and Narang, P. (2024). "Optimal analysis of profit maximization production inventory system under an imperfect environment and shortage." *OPSEARCH*. <https://doi.org/10.1007/s12597-024-00896-5>
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40. Ghatak, A., Sensarma, A, (2025), "A generalization of the counter example of E. Casini et. al. (Israel J. Math. 2016) and its representing matrices", *Journal of the Ramanujan Mathematical Society* (Accepted).

b) International Conference(s):

1. Bhuyan, R. and Mahanta, J. (2025). "A Transformative Similarity based Clustering method for Intuitionistic Fuzzy Sets." *International Conference on Computational Mathematics and Applications (ICCMA2025)*, Organized by Department of Mathematics, NIT Silchar.
2. Kumar, N. and Mahanta, J. (2025). "A new logarithm based distance measure for Pythagorean fuzzy sets and application in decision making." *International Conference on Computational Mathematics and Applications (ICCMA2025)*, Organized by Department of Mathematics, NIT Silchar.
3. Koner, P, and Bera S. (2025), "Electroosmotic flow of Generalised Maxwell fluids in Polyelectrolyte Grafted Nanopore Modulated by ion partitioning effects under AC electric field", *Springer Proceedings in Mathematics & Statistics*, Vol.491, Pages 131, Springer Nature.



c) Book/Chapter:

1. Kumar, N. and Mahanta, J. (2025). "A Novel 3D Similarity Measures with Pythagorean Fuzzy Sets: Enhancing Decision Making in Solar Panel Selection." In Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy, Springer, Singapore.
2. Kumar, N. and Mahanta, J. (2024). A Handbook on Emerging Trends in Mathematical Sciences and Computing: A Pythagorean Fuzzy Distance Measure with Hesitancy Degree and Application in Decision Making. Nova Science Publishers, USA.
3. Anton, H., Bivens, I.C., Davis, S., Gupta, P.K., Choudhuri, D., and Rahman, S, (2024). "Calculus: Early Transcendentals", 12th Ed. (Indian Adaptation), Wiley, India. ISBN: 978-935-74-6081-1.
4. Devi, A. and Gupta, P.K. (2025). "Exploring Hopf Bifurcation in a COVID-19 Transmission Model Incorporating Nonlinear Incidence, Saturated Treatment, and Reinfection." In Sahni, M., Merigó, J.M., Annamaria, G.L., León-Castro, E., Verma, R., Saraswat, R.N. (Eds.), Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy, MMCITRE 2024, Lecture Notes in Networks and Systems, vol. 1192. Springer, Singapore. ISBN: 978-981-96-1449-3.
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1.6 PATENT:

Sl. No.	Details	Year
1	Kedar Nath Das, Saroj Kumar Biswas, "Optimization Model for University Course Time-tabling Problem". Indian Patent filed (No. 424492-001, Dated: 24.07.2024).	2024, Patent No: 424492001
2	Saroj Kumar Biswas, Kedar Nath Das, Sounak Manjumdar, Biswajit Purkayastha, Deeksha Tripathi, 'A system for the early detection of polycystic ovary syndrome', German Patent filed (No. 202024106780, Dated: 25.11.2024)	2024, Patent No: 202024106780

1.7 VISITS TO ABROAD

Sl.No.	Name of the Faculty	Name of the Conference/ Programme	Place	Date
1	Dr. Kedar Nath Das	Slovak National Scholarship Program	Bratislava, Slovakia	1st June -31 July 2024



1.8 M.Tech. / M.Sc. (Thesis/Project)

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis/Project
1	Srittam Panigrahi	Dr. Praveen Kumar Gupta	A Study on Dynamic Behaviour of HIV and HCV Co-infection: Approach through Mathematical Modelling and Numerical Stimulation
2	Alok Kumar Paul	Dr. Subrata Bera	A Study on Electrokinetic Flow in Rectangular Microchannel
3	Satish Kumar Mishra	Dr. Santan Kumar	Propagation of Seismic Rayleigh Wave in Bilayered Structure: A Geophysical Modelling
4	Shivangi Tripathi	Prof. Mausumi Sen	A Study on Type-2 Fermatean Fuzzy Sets and its Application to the Individual Contribution of Indian States towards the GDP of India
5	Shamsun Nehar	Prof. Santanu Roy	Some I-convergent Triple Sequence Spaces of Fuzzy Numbers Defined by Modulus Function
6	Om Singh	Dr. Subrata Bera & Dr. Anupam Biswas	Quantum Machine Learning for Social Network Analysis Applications
7	Maruthi D M	Dr. Kedar Nath Das	Back Tracking Algorithm for Solving Composite Order Sudoku Puzzle
8	Manjushree N S	Dr. Pankaj Biswas	Transmission Dynamics of Tuberculosis with Saturated Incidence and Exogenous Reinfection
9	Harshita	Dr. Praveen Kumar Gupta	A Study on Co-infection of COVID-19 and Tuberculosis: Approach through Mathematical Modelling and Numerical Simulation
10	Alisha Ojha	Shri. Bijan Nath	Rough Convergence of Generalized Difference Double Sequence
11	Ankita Das	Dr. Pankaj Biswas	Dynamics of Tuberculosis in the Presence of Vaccination and Exogenous Reinfection
12	Sakshi Adarsh	Dr. Balla Hema Sundar Raju	Numerical Technique for Investigating Lid-Driven Cavity Problem
13	Barnias K Marak	Dr. Santan Kumar	Micro-Continuum Modelling of Anti-Plane Surface Wave Propagation in Stratified System
14	Sanjeet Pandit	Dr. Ganti Ramesh	Hyperharmonic Series Involving Hurwitz Zeta Function
15	Rohit Kumar Mandal	Dr. Juthika Mahanta	An Exponential Distance Measure for Intuitionistic Fuzzy Sets and Its Applications
16	Akhil Sharma	Dr. Md. Maqbul	Approximate Solutions to Pseudo-Parabolic Equation with Initial and Boundary Conditions
17	Arun Kumar	Dr. Kedar Nath Das	Quadratic Approximation Hybridized Evolutionary Algorithms for Function Optimization



18	Kamlesh Saini	Dr. Balla Hema Sundar Raju	Comprehensive Study of Forced Convection Inside a Square Cavity
19	Sharique Hussain	Dr. Md. Maqbul	A Study of Delayed Cooperation Diffusion System with Dirichlet Boundary Conditions
20	Debabrata Shit	Dr. Ganti Ramesh	Elliptic Curves and Their Cryptographic Applications
21	Veenita Pathak	Dr. Juthika Mahanta	Navigating, Spatial Complexity: Unraveling Models, Topologies, and Unknown Components in Spatial Relations
22	Ranjini Saha	Dr Kedar Nath Das	Global Optimal Solution by a Robust Quadratic Approximation Hybridized Genetic Algorithm (Amity University, Luknow; Jan, 2024)

1.9 Ph.D. Thesis

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis
1	Asish Adak	Dr. Praveen Kumar Gupta	A Study on Mathematical Modelling of Atherosclerosis Disease with Certain Anti-atherogenic Characteristics Through Stability Analysis and Bifurcation
2	Subhankar Jana	Dr. Juthika Mahanta	Determination of topological relations between vague spatial objects in GIS using fuzzy and generalized fuzzy topology
3	Debanjan Banerjee	Dr. Pankaj Biswas & Dr. Sukumar Pati	Analysis Electrokinetically Modulated Thermo-Fluidic Transport Characteristics in Narrow Channels
4	Mamta Kumari	Dr. Pijus Kanti De	Optimizing Routing and Inventory Management in Supply Chain Networks: A Hybrid Metaheuristic Perspective with Mathematical Modeling Insights
5	Pankaj Narang	Dr. Pijus Kanti De	Mathematical Modeling of Production and Recycling Strategies in Supply Chain under Carbon Emissions Policy: An Application to Electric Vehicle Battery
6	Anjali Patel	Dr. Juthika Mahanta	A Study on Distance and Similarity Measures for Intuitionistic Fuzzy Sets and their Applications.



1. Name of the Department:

Physics



The Department at a glance	
Year of Establishment: 1977	
Academic Programmes Offered: ● Master of Science (M.Sc.) ● Doctor of Philosophy (Ph.D.)	
Total Faculty Strength: 10 ● Professor: 1 ● Associate Professor: 4 ● Assistant Professor: 5	
Total Student Strength: 60 ● M.Sc.: 31 ● Ph.D.: 29	
New Students Joined in 2024-2025 ● M.Sc.: 13 ● Ph.D.: 9	

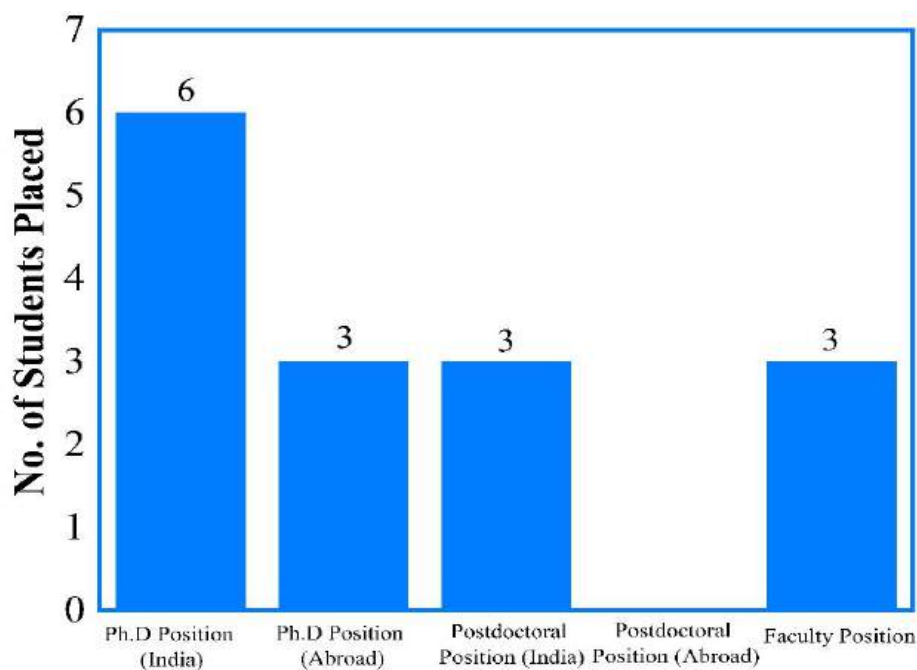


Fig: Placement Statistics of students in the Physics Department during 2024-2025

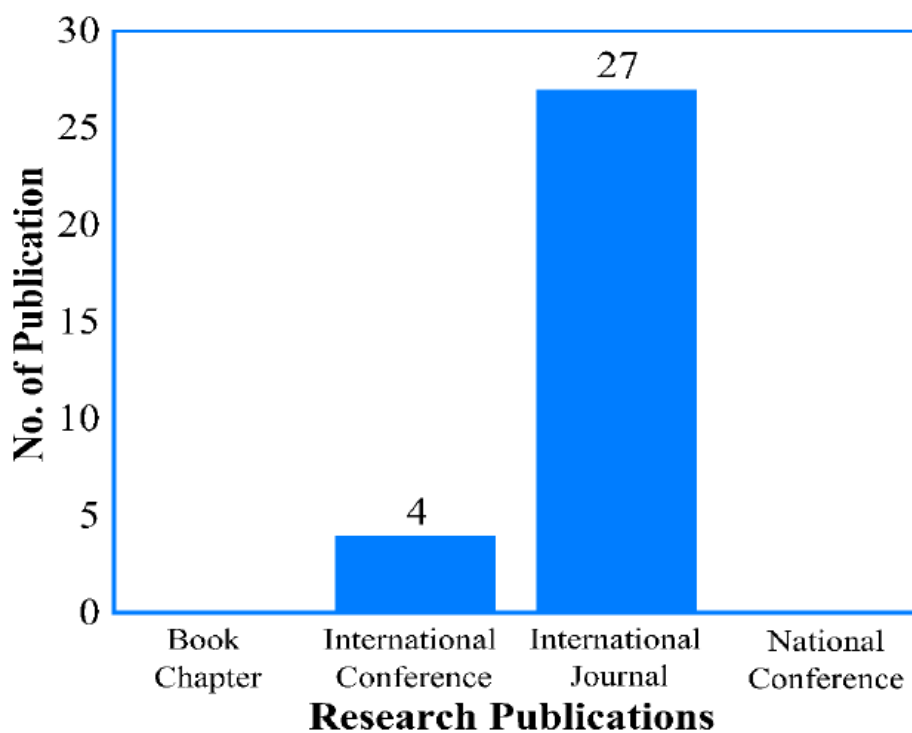


Fig: Publication details of Physics Department during 2024-2025



1.1 Academic Staff:

Head of the Department: Dr. Saumya Ranjan Mohapatra, Associate Professor

Name of Faculty members:

Professor	Associate Professor	Assistant Professor
Prof. Asim Roy	Dr. Subrat Kumar Barik	Dr. P. Srinivasan
	Dr. Rupak Dutta	Dr. Subhasis Panda
	Dr. Saumya R. Mohapatra	Dr. Pankaj Chaturvedi
	Dr. Ranjith G. Nair	Dr. Snehasish Nandy
		Dr. Susmita Rabha

1.2 Distinction Achieved

a) By Student:

Ms. Trinayana Deka: She received International Travel Support (ITS) under Young Scientist Category funded by ANRF, India for presenting her work in International Conference on Sustainable Energy and Green Technology (SEGT 2024), Thailand during 15th - 18th Dec 2024. She also received Best Poster Award in International Conference on Sustainable Energy and Green Technology (SEGT 2024), Thailand during 15th - 18th Dec 2024.

Ms. Farhana Yasmin: Attended International Conference on “Advances in Nanomaterials and Nanotechnology” (ICANN-2025), Rajdhani College, University of Delhi, New Delhi, 05th - 06th March 2025.

Ms. Zarina Azmi: Attended Prospects for Li-ion batteries and emerging electrochemical energy systems jointly organized by the PSG Institute of Advanced Studies and ECS-IIT Madras Student Chapter. (29th - 30th July 2024). She also attended two-week online workshop on electrochemical data analysis organized by SIAS research center in association with Metrohm, India and MES Keveeyam College Valanchery, Kerala, (07th-19th Oct. 2024)

b) By Faculty Member:

- **Dr. Saumya R. Mohapatra**
Delivered an expert lecture on “Polymeric resistive switching devices for sustainable memristive technology” in Industry-Academia Workshop on Advanced Materials for Sustainable Technologies, AMST-2025, 29th January 2025 to 2nd February 2025.
- **Dr. Ranjith G. Nair:**
Acted as Mentor and Monitor of AICTE GAINER Scheme Projects (2024 - 25).



Delivered an invited talk on “Role of advanced materials in new generation solar cells” One day Workshop on Basic Electronics and Arduino Microcontroller organised by Department of Physics, Ramanuj Gupta Degree College, Silchar on 12th March 2025.

Delivered an expert lecture on “Role of Plasmonics and Heterojunctions in Enhancing Solar Photocatalytic Hydrogen Production” Industry-Academia Workshop on Advanced Materials for Sustainable Technologies (AMST-2025) organised by Department of Physics, National Institute of Technology Silchar during 29th Jan– 2nd Feb 2025.

Delivered an expert lecture “Advanced Energy Materials for Green Energy Production and Environmental Sustainability ”One-Day Online Meeting on Advances in Materials’ Science (AIMS-2024) organised by Department of Physics, Visva-Bharati University, Santiniketan, on 9th Aug 2024.

Delivered an expert lecture “Development of Visible-Active Titania–In₂O₃ Heterojunction Photocatalyst for Enhanced Solar Photocatalytic Hydrogen Production” International Conference on Sustainable Energy and Green Technology (SEGT 2024) organised by Universiti Tunku Abdul Rahman (UTAR), Research Center of Energy Conservation (RCEC, NTUT), and University of the Philippines Diliman during 15th - 18th Dec 2024.

- **Dr. P. Srinivasan**

Delivered an invited lecture in the Indo Japan Workshop on Machine learning for advancing Crystal Growth Technology during 07-09 January 2025.

- **Dr. Subhasis Panda**

Delivered an expert lecture on “Ab-initio study of material for photovoltaic application” in Industry-Academia Workshop on Advanced Materials for Sustainable Technologies (AMST 2025), NIT Silchar.

- **Dr. Snehasish Nandy**

Acted as Technical Committee Member of the IEEE Magnetics Society (February 2025 - Present)

Acted as Early Career Editorial Board Member of Condensed Matter Journal (February 2025 - Present).

1.3 SEMINARS, SYMPOSIA, SHORT TERM COURSES, WORKSHOPS

a) Conducted by Faculty Member

Sl. No.	Name(s) of the Coordinator	Title	Funding Agency	Duration
1.	Dr. Ranjith G Nair	Industry-Academia Workshop on Advanced Materials for Sustainable Technologies (AMST-2025)	DST-SERB	29 th Jan – 2 nd Feb 2025

b) Participated by Faculty Member

Sl. No.	Name of Faculty	Details of the Program	Organizing Institute
1.	Dr. Ranjith G Nair	International Conference on Sustainable Energy and Green Technology (SEGT 2024) during 15 th - 18 th Dec 2024.	Universiti Tunku Abdul Rahman (UTAR), Research Center of Energy Conservation (RCEC, NTUT), and University of the Philippines Diliman



1.4 Research Development

a) Ph.D. Programme (Specializations):

- Solar Energy Materials
- Solar Photovoltaics
- Solar Photocatalysis
- Green Hydrogen Production
- Photoelectrochemical
- Theoretical High Energy Physics (phenomenology)
- Nonlinear Optics
- Crystal Growth
- Theoretical Condensed Matter Physics
- Experimental Condensed Matter Physics
- Semiconductor Nanostructure
- Resistive Random Access Memory
- High-k for CMOS Technology
- Perovskite Solar Cell.

b) Ph.D. Produced/ Ongoing (in number):

Completed	Submitted	Ongoing
6	4	19

c) Lab/ Workshop:

Sl. No.	Name of Lab/Workshop	Purpose/Linkage to an existing/new programme
1.	B. Tech Lab	UG
2.	Physics Lab I	PG
3.	Physics Lab II	PG
4.	Physics Lab III	PG
5.	Microscience and Nanophysics Laboratory (Prof. Asim Roy)	To serve the PhD research and MSc. Project work
6.	Theoretical High Energy Physics Lab (Dr. Rupak Dutta)	PG and PhD program
7.	Solid State Ionics Lab (Dr. Saumya R. Mohapatra)	PG and PhD program
8.	Solar Energy Materials Research and Testing Laboratory (SmaRT Lab) (Dr. Ranjith G. Nair)	PG and PhD program
9.	Crystal Research Lab (Dr. P. Srinivasan)	PG and PhD program
10.	Computational Condensed matter physics lab (Dr. S. Panda)	PG and PhD program
11.	Multifunctional Materials Laboratory (Dr. S.K. Barik)	PG and PhD program
12.	DST-FIST Lab I & II	PG and PhD program



d) **Ongoing/Completed Sponsored Research Project:**

Sl. No.	Project Title	Principal Investigator(s)	Funding Agency	Cost in lakhs	Duration
1.	Investigation of Resistive Switching Behaviour of Lead Free RbSnX_3 (X=I, Cl, Br), an Sn based Perovskite	Dr. Arabinda Barman, Co-Principal Investigator: Prof. Asim Roy	Science and Engineering Research Board SERB, DST, Govt of India	18	3 years
2.	Fabrication and Optimization of Lead-free Inorganic Halide Perovskite based Memrsitive Devices and Systematic Investigation of Synaptic Characteristics for Neuromorphic Applications	Dr. Pranab Kumar Sarkar, Co-Principal Investigator: Prof. Asim Roy	Science and Engineering Research Board (SERB)	34.29	3 years
3.	Development of theoretically validated plasmonic multiphasic titania thin film through ion implantation technique and test its performance for green hydrogen generation	Dr. Ranjith G. Nair (PI), Dr. S. Panda (Co-PI))	UGC-DAE CSR	NA	3 years (2025 – 2028)
4.	Quantum Dots integrated titania with plenty of heterojunctions and its utility for green hydrogen production: Beyond Proof of Concept	Dr. Ranjith G. Nair	Council of Scientific & Industrial Research (CSIR)	24.92	3 years (2024-2027)
5.	Development of Visible Active Multiphasic Titania-Metal Oxide Nano heterojunction Photocatalyst with Enhanced Green Hydrogen Production Capacity and Test its Utility in an Indigenously Fabricated Prototype Solar Photocatalytic Reactor for Large Scale Applications.	Dr. Ranith.G. Nair (PI), Prof. S.S. Dhar (Co-PI), Dr. Agnimitra Biswas (Co-PI)	DST-SERB	46.39	3 years (2023 – 2026)



e) Research Paper Reviewed

Sl. No.	Faculty Name	Journal Name	No. of Paper	Year
1.	Dr. Ranjith G Nair	Chemical Engineering Journal (Q1), Elsevier	1	2025
2.	Dr. Ranjith G Nair	International Journal of Hydrogen Energy (Q1), Elsevier	1	2025
3.	Dr. Ranjith G Nair	Journal of Environmental Chemical Engineering (Q1), Elsevier	1	2025
4.	Dr. Ranjith G Nair	Journal of Alloys and Compounds (Q1), Elsevier	2	2025 and 2024
5.	Dr. Ranjith G Nair	Environmental Science and Pollution Research International (Q1), Springer Nature	1	2024
6.	Dr. Ranjith G Nair	Journal of Crystal Growth (Q2), Elsevier	2	2024
7.	Dr. Ranjith G Nair	International Journal of Environmental Research (Q2), Springer Nature	1	2024
8.	Dr. Ranjith G Nair	Applied Physics A: Materials Science & Processing (Q2), Springer Nature	1	2024
9.	Dr. Snehasish Nandy	Physical Review Letters	1	2024
10.	Dr. Snehasish Nandy	Nature Communication	2	2025
11.	Dr. Snehasish Nandy	Physical Review B	4	2024 and 2025
12.	Dr. Saumya R. Mohapatra	ACS Applied Materials and interface	1	2025
13.	Dr. Saumya R. Mohapatra	ACS Applied Energy Materials	1	2025
14.	Dr. Saumya R. Mohapatra	ACS Applied Nanomaterials	1	2025
15.	Dr. Saumya R. Mohapatra	Communications Materials	1	2024
16.	Dr. Saumya R. Mohapatra	Goa State Research Foundation (GSRF) Research Grant scheme	1	2024
17.	Dr. Saumya R. Mohapatra	Inorganic Chemistry Frontiers	1	2024
18.	Dr. Saumya R. Mohapatra	Materials Today Communications	1	2024



f) Chairing of the Technical Session

Sl. No.	Faculty Name	Details
1.	Dr. Ranjith G Nair	Session chair at International Conference on Sustainable Energy and Green Technology (SEGT 2024), organized by Universiti Tunku Abdul Rahman (UTAR), Research Center of Energy Conservation (RCEC, NTUT), and University of the Philippines Diliman during 15 th - 18 th Dec 2024.

1.5 PUBLICATION

a) Journal(s):

1. Dehingia, A., Das, U., Gogoi, H. P., Borgohain, K. K., Patra, S., Paul, B., & Roy, A. (2024). Unraveling the Role of 2D Ti₃C₂T_x MXene Nanosheets in Cu-Based Double Perovskite Active Layer for Enhanced Photovoltaic Performance. *Small*, 20 (34), 2401179. <https://doi.org/10.1002/sml.202401179>.
2. A comprehensive review of strategies to augment the performance of MnO₂ cathode by structural modifications for aqueous zinc ion battery, Zarina Azmi, Krushna C Senapati, Arpan K Goswami, Saumya R Mohapatra, *Journal of Power Sources* 613 (2024) 234816.
3. Diffusive Memristor with CuS Nanoparticles Embedded in Polymeric Film as Artificial Nociceptor, Rajesh Deb, Debashis Panda, Manjula G Nair, Farhana Yasmin, Yamineekanta Mishra, Awalendra K Thakur, Saumya R Mohapatra, *ACS Appl. Mater. Interfaces* 2024, 16, 51757–51768.
4. Sulfide based solid electrolytes for sodium-ion battery: Synthesis, structure design, stability, and cell performance, Zarina Azmi, Arpan K Goswami, Saumya R Mohapatra, *Sustainable Materials and Technologies* 42 (2024) e01176.
5. Pujita Ningthoukhongjam, Chinnakonda S Gopinath, Ranjith G Nair (2025) “Multiphasic heterojunctions: A strategic approach to enhance the charge transfer dynamics of titania for superior solar photocatalytic hydrogen production” International Journal of Hydrogen Energy, 113, 133-146.
6. Pujita Ningthoukhongjam, Sarita Jena, Sabu Thomas, Ranjith G Nair (2025) “Strategic integration of phase ratio optimization and thin film approach on Degussa P25 for synergistic enhancement of solar photocatalytic hydrogen evolution” *Optical Materials*, 160, 116782.
7. Nikhil S K, Mathan Kumar P, Muthuraaman Bhagavathiachari, Ranjith G. Nair (2025) “Enhancing the Photoanode Performance of Dye-Sensitized Solar Cells through Integration of Cu Doping and Biphasic Heterojunction in TiO₂” *Physica Status Solidi (A)*, 2500219.
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9. Suma Das, Swapnomoy Pramanik, Ranjith G Nair, Avijit Chowdhury (2024) “Mesoporous NiFe₂O₄@g-C₃N₄-based p-n Heterostructures for Boosting Solar-Driven Photocatalytic Dye Degradation and Hydrogen Evolution” *Chemistry – An Asian Journal*, e202401402.



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14. Trinayana Deka, Abinash Das, Sam John, Ranjith G. Nair (2024) "Exploring the influence of Ag nanocube size on surface plasmon resonance assisted photocatalytic H₂-production of optimized Ag loaded TiO₂" *International Journal of Hydrogen Energy*, 72, 1169-1183.
15. Gaurab Kumar Dash, Subhasis Panda and Snehasish Nandy, "Fingerprint of non-hermiticity in a d-wave altermagnet", *PRB*, Volume 111, Issue 15, April 2025, <https://doi.org/10.1103/PhysRevB.111.155119>.
16. Burhan Ahmed, B Indrajit Sharma, Bikram Baruah, Subhasis Panda, Asim Roy, "A comparative spin orbit coupling DFT study of opto-electronic properties of Bi₂Se₃ and Bi₂Te₃ bulk crystal", *Computational Condensed Matter*, 2024, <https://doi.org/10.1016/j.cocom.2024.e00951>.
17. Kintali Manohor Prasad, S Divagar, P Srinivasan, (2025) "Production of Uniform Electrospun 2-Cyanopyridinium Salicylate–Polyvinyl Alcohol Nanofibers using Cylindrical Bar Collector for Nonlinear Optical Applications", *Chem. Nano. Mat*, Volume 11, Issue 2, February 2025, <https://doi.org/10.1002/cnma.202400590>, Indexed in SCIE.
18. Kintali Manohor Prasad, S Divagar, P Srinivasan, (2025) "Fabrication, morphological, and nonlinear optical studies of electrospun hexamethylenetetramine-polyvinyl alcohol (HMT-PVA) nanofiber", *Journal of Materials Science: Materials in Electronics*, Volume 36, Issue 7, March 2025, <https://doi.org/10.1007/s10854-025-14499-3>, Indexed in SCIE,
19. Arindam Roy, Souradeep Bakshi, Manohor Prasad Kintali, P Srinivasan, Saikatendu Deb Roy, (2024) "Synthesis, Structure, and Non-Linear Optical Properties of New Metal Semi-Organic Complex: 1, 4-diazabicyclo [2.2. 2] octane-1, 4-diium tris (nitrate)-silver", *Crystal Research and Technology*, Volume 59, Issue 12, 1, December, 2024,
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21. Kintali Manohor Prasad, P Srinivasan, Subrat Kumar Barik, Arindam Roy, B Sahaya Infant Lasalle, (2024) "Studies on the physico-chemical properties of semi-organic nonlinear optical (NLO) material: 2-CPPC [2-CNPYH][ClO₄]", *Optical Materials*, Volume 155, 01/115885, September, 2024, <https://doi.org/10.1016/j.optmat.2024.115885>, Indexed in SCIE, Impact Factor: 3.8.
22. Kintali Manohor Prasad, P Srinivasan, "Growth, characterization and cognition of 2-cyanopyridinium perchlorate single crystals for nonlinear optical applications", (2024) *Scientific Reports*, Volume 14, Issue 1, 0/23409, October 2024, <https://doi.org/10.1038/s41598-024-73842-6>, Indexed in SCIE, Impact Factor: 3.8.
23. K Sathesh Kumar, SM Prakash, P Srinivasan, P Jayaprakash, (2024) "Spectral studies and nonlinear optical properties of an organic crystal: Piperazine-1, 4-diiumbis (4-aminobenzenesulfonate)", *Journal of Nonlinear Optical Physics & Materials*, Volume 33, Issue 05, 01/2350055, October, 2024, <https://doi.org/10.1142/S0218863523500558>, Indexed in SCIE, Impact Factor: 2.9
24. Arindam Roy, P. Srinivasan and Saikatendu Deb Roy (2025), Design, crystallographic, thermal, and optical studies of novel metal-organic and inorganic hybrid single crystal: 1,4- diazabicyclo[2.2.2] octane-1,4-diium hexaaqua-nickel sulfate, *J Mater Sci: Mater Electron* 36:1540, <https://doi.org/10.1007/s10854-025-15585-2>.
25. Suwendu Ghosh, Chuanchang Zeng, A. Taraphder, Jian-Xin Zhu and Snehasish Nandy, "Topological optical pseudospin injection beyond Weyl semimetals", *PRB (Letter)*, Volume 111, Issue 4, January 2025, <https://doi.org/10.1103/PhysRevB.111.L041402>.
26. Srimayi Korrapati, Snehasish Nandy, and Sumanta Tewari, "Nonlinear anomalous transverse responses induced by the Berry curvature quadrupole in systems with broken time-reversal symmetry", *PRB*, Volume 110, Issue 19, November 2024, <https://doi.org/10.1103/PhysRevB.110.195119>.
27. Shubham Patel, Narayan Mohanta, Snehasish Nandy, Subhendra D. Mahanti, and A. Taraphder, "Layer-dependent electronic structures and magnetic ground states of polar-polar LaVO₃/KTaO₃(001) heterostructures", *PRB*, Volume 110, Issue 05, August 2024, <https://doi.org/10.1103/PhysRevB.110.054402>.

b) International Conference(s):

1. Iffat Ara Mazumder and Rupak Dutta, "Two Minor Zeros in Neutrino Mass Matrix Using Trimaximal Neutrino Mixing", *Springer Proc. Phys.* 361 (2025) 81-892.
2. Iffat Ara Mazumder and Rupak Dutta, "A Phenomenological Study of Trimaximal Neutrino Mixing (TM1 and TM2) with Vanishing Minor", *Springer Proc. Phys.* 304 (2024) 680-682.
3. Nilakshi Das and Rupak Dutta, "Scrutinizing the Effects of New Physics in $\Lambda b \rightarrow \Lambda (*) \mu^+ \mu^-$ and $\Lambda b \rightarrow \Lambda (*) \nu \bar{\nu}$ Baryonic Decays", *Springer Proc. Phys.* 304 (2024) 107-110.
4. Nisha Banerjee and Ranjith G Nair (2024) "CdS-Titania nanocomposite: An improved visible active photocatalyst for dye degradation" *Journal of Physics: Conference Series*, 2919, 012005.



1.6 MAJOR EQUIPMENT ACQUIRED:

- Electrochemical Workstation (Gamry, USA)
- Hot Air Oven (Binder, Germany)
- Vacuum Oven (Ants Ceramics, India).

1.7 PATENT:

Sl. No.	Details	Year
1.	A lead-free inorganic perovskite-based double halide memory device. DE patent Inventors: Pranab Kumar Sarkar, Ujjal Das, Shraboni Roy, Asim Roy	2025, Patent No: 20 2025 100 145.4
2.	Selective Harvesting Glove Set with Force Sensitive Memory Materials for Gentle Fruit Harvesting (Patent Filed) Inventors: Dr. P. Srinivasan, Dr. Bibhuti Ranjan Bhattacharjya, Dr. Suganya Devi K, Divagar S, Sreehari S, Kintali Manohor Prasad	2024, Patent No. IN202431015 582
3.	A cartridge-type fixed-mode continuous-flow photocatalytic reactor system for efficient wastewater treatment, Indian Patent, Nikhil S K, Pujita Ningthoukhongjam, Abani Mahakur, Ranjith G. Nair	IN 2024, Patent No. 552278

1.8 VISITS TO ABROAD

Sl. No.	Name of the Faculty	Name of the Conference/ Programme	Place	Date
1.	Dr. Ranjith G. Nair	International Conference on Sustainable Energy and Green Technology (SEGT 2024)	Bangkok, Thailand	15 th - 18 th Dec 2024

1.9 M.Tech. / M.Sc. (Thesis/Project)

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis/Project
1.	Anand Shankar Malik	Dr. Ranjith G Nair	Studies on the role of binary and ternary heterojunction on photocatalytic performance under solar irradiation
2.	Maurya Suraj Pannalal	Dr. Ranjith G Nair	Development of Surface Plasmon Resonance Enabled TiO ₂ -ZnO Nanocomposite as an Efficient Photocatalyst
3.	Bhushan Kuma	Dr. Ranjith G Nair	Studies on TiO ₂ -CdS Heterojunction on physiochemical and photocatalytic performance under visible light irradiation
4.	Laldingliana	Dr. Ranjith G Nair	Studies on the Role of Reaction Parameters on Photocatalytic and Sonophotocatalytic Hydrogen Production
5.	Prajul Adhikari	Dr. Rupak Dutta	Indication of lepton universality violation in charged b decays
6.	Anirudh Krishna	Dr. Rupak Dutta	Exploring lepton flavor universality violation in b to c ν u transition decays
7.	Somnath Mandal	Dr. Rupak Dutta	Neutrino oscillation probability with non-unitary neutrino mixing matrix



8.	Swayambhu Ray	Dr. Subhasis Panda	First Principle Studies of Titanium Dioxide for Water Splitting
9.	Ramyak Kumar Bose	Dr. Subhasis Panda	Ab-initio DFT+U study of bulk 1T' - NbTe ₂ using WIEN2k
10.	Gayatri kotyal	Dr. Subhasis Panda	Comparative study of RbBI ₃ (B=Pb, Sr, Ca) compounds for photovoltaic application using DFT
11.	Aruna Kadadevar	Dr. Saumya R. Mohapatra	To study the role of MXene as a strong support material to ZIF-8 based electrocatalyst for oxygen evolution reaction
12.	Samraggi Gosh	Dr. Saumya R. Mohapatra	Synthesis, Fabrication and Study of Resistive Switching Memory device based on 2D MXene Polymer Composite
13.	Samriddhi Gosh	Dr. Saumya R. Mohapatra	Resistive switching memory using protic ionic liquid incorporated polymer electrolyte
14.	Rishiraj Dutta	Prof. Asim Roy	Effect of Halide Mixing in Cs ₃ Bi ₂ I ₉ Halide Perovskite Memristors and its Simulation Using SPICE Model
15.	Esha Biswas	Prof. Asim Roy	Effect of oxidation temperature on structural and optical properties of copper thin film synthesized by thermal evaporation technique
16.	S. Divagar	Dr. P. Srinivasan	Synthesis and Characterisation of Hexamethylenetetramine -Poly (vinyl alcohol) nanofibers using Electrospinning method
17.	Souradeep Bakshi	Dr. P. Srinivasan	Synthesis Growth and nonlinear optical properties of semi organic single crystal complex of 1,4 diazobicyclooctane

1.10 Ph.D. Thesis

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis
1.	Anurag Dehingia	Prof. Asim Roy	Composition and Interface Engineering of Cesium-Based Inorganic Halide Perovskites for Photovoltaic Applications.
2.	Nipom Sekhar Das	Prof. Asim Roy & Dr. Avijit Chowdhury	Organic-Inorganic Layered Nanohybrid Dispersed Ferroelectric Polymer Blend for Nonvolatile Resistive Memory Applications.
3.	Nilakshi Das	Dr. Rupak Dutta	Signature of new physics in the semileptonic decays of b hadrons in the light of recent B anomalies
4.	Rajesh Deb	Dr. Saumya R Mohapatra	Analog and Diffusive Memristors with Copper Based Mixed Ionic Electronic Conductors (MIECs) as Artificial Synapse and Nociceptor
5.	Suma Das	Dr. Ranjith G Nair & Dr. Avijit Chowdhury	Studies on Magnetically Separable g-C ₃ N ₄ - based Heterojunctions for Solar Photocatalytic Dye Degradation and H ₂ Evolution
6.	Nikhil S. K.	Dr. Ranjith G Nair	Studies on visible active transition metal doped biphasic TiO ₂ photocatalyst for solar energy applications



1. Name of the Department:

Chemistry



The Department at a glance	
Year of Establishment: 1977	
Academic Programmes Offered: ● Master of Science in Applied Chemistry (M.Sc.) ● Doctor of Philosophy (Ph.D.)	
Total Faculty Strength: 9 ● Professor: 3 ● Associate Professor: 2 ● Assistant Professor: 4	
Total Student Strength: 73 ● M.Sc.: 38 ● Ph.D.: 35	
New Students Joined in 2024-2025: 32 ● M.Sc.: 20 ● Ph.D.: 12	

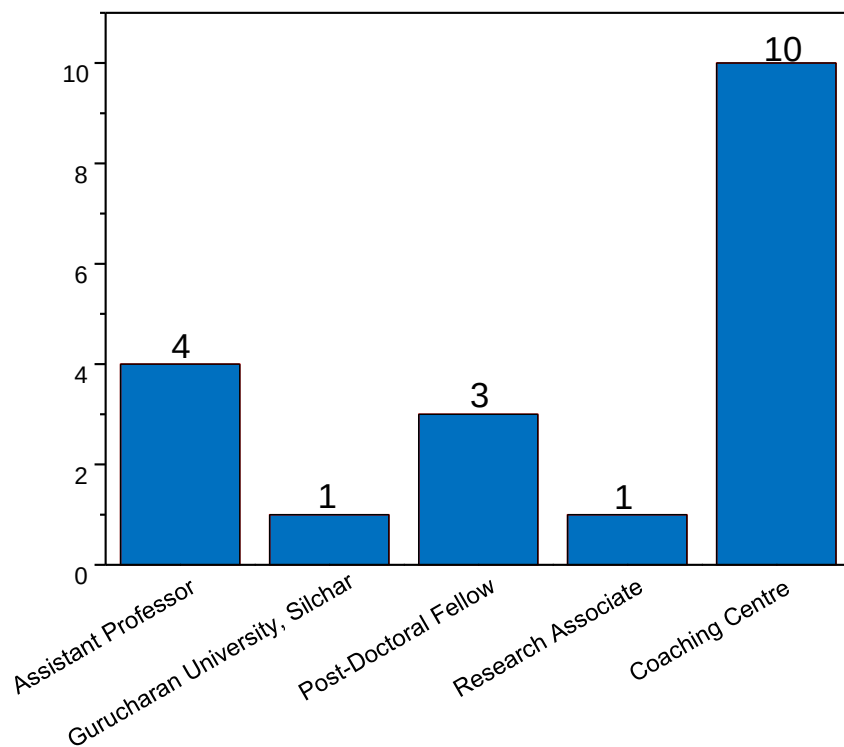


Fig: Placement statistics of students in the Chemistry Department during 2024-2025

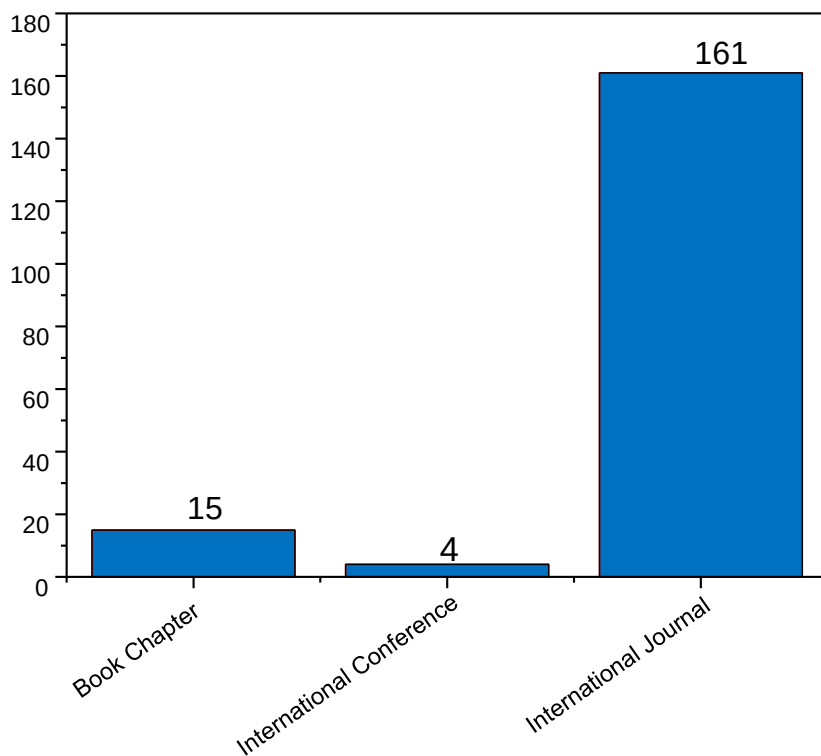


Fig: Publication details of Chemistry Department during 2024-2025



1.1 Academic Staff:

HEAD of the Department: Dr. Ruma Rano, Associate Professor

Name of Faculty members:

Professor	Associate Professor	Assistant Professor
Prof. Siddhartha S Dhar	Dr. Ruma Rano	Dr. N Shaemningwar Moyon
Prof. Md Ahmaruzzaman	Dr. Samuel Lalthazuala Rokhum	Dr. Biswa Nath Ghosh
Prof. Pranjit Barman		Dr. Shanti Gopal Patra
		Dr. Papri Sutar

1.2 Distinction Achieved

a) By Student:

- Dr. Soumya Ranjan Mishra: Post-doctoral fellow, Ghent University Global Campus, South Korea.
- Dr. Nidhi Yadav: Assistant Professor, Department of Chemistry, National Institute of Technology Mizoram.

b) By Faculty Member:

Prof. M A Zaman:

- Ranked 2518 in the World's Top 2% Scientists, 2024, published jointly by Elsevier and Stanford University for the fifth consecutive year.
- Awarded Fellow of the Royal Society of Chemistry (FRSC), 2024, London, U.K.
- AD Scientific Index 2025 for the sixth consecutive year (Best Scientist in National Institute of Technology Silchar).

Dr. S. L. Rokhum:

- Ranked in the world's top 2 % scientists, 2024, published jointly by Elsevier and Stanford University.



1.3 SEMINARS, SYMPOSIA, SHORT TERM COURSES, WORKSHOPS

• **Participated by Faculty Member**

Sl. No.	Name of Faculty	Details of the Program	Organizing Institute
1	Dr. Ruma Rano	Keynote speaker in the a six-days national-level virtual faculty development program (FDP) Interdisciplinary Approaches on Green Chemistry, Biotechnology and Environmental Engineering (GCBE 2025) on 14th February- 2025	Department of Chemistry, School of Basic Sciences, VISTAS. Chennai.
		International Conference on Materials, Energy, Environment and Manufacturing Sciences (MEEMS-2024), 17-18 Dec 2024	Shri Madhwa Vadiraja Institute of Technology and Management, Udupi Karnataka, India.
		International Conference on Advances in Energy and Environment for Sustainable Development (AEESD – 2025), 30-31 March 2025.	Campus Institute of Technical Education & Research (ITER), Siksha ‘O’ Anusandhan , Jagamara, Bhubaneswar, Odisha, India.
2	Dr. Shanti Gopal Patra	International Conference on Chemistry for Human Development (ICCHD-2025), January 4–6, 2025	University College of Science and Technology, Kolkata
		2nd “International Conference on Emerging areas of Chemistry (ICEAC- 2025),” February 12-14, 2025	Department of Chemistry, Tripura University, Tripura
		National Seminar on Recent Trends in Chemical Research (RTCR-2024), 20th August 2024	Department of Chemistry, Assam University, Silchar
3	Dr. Papri Sutar	National Seminar on Recent Trends in Chemical Research (RTCR-2024), 20th August 2024	Department of Chemistry, Assam University, Silchar

1.4 Research Development

a) **Ph.D. Programme (Specializations):**

- Development of newer synthetic methodologies
- Regioselective C-S coupling
- Synthesis of Schiff-Base and their photophysical, biological, and catalytic application in organic transformations
- Microbial Analysis
- Environmental Science and Pollution Research
- Synthesis and design of Organic solar cell
- Selected Nanostructured materials as catalysts/photocatalysts in organic transformation reactions and environmental remediation
- Energy and Environment
- Green Synthesis, Organo-Sulfur compounds, Schiff Base, Metal Complexes, Organic Synthesis
- Synthesis of nanocomposites for environmental remediation
- Synthesis and applications of transition metal complexes of nitrogen-based heterocyclic ligands
- Nanomaterials from solid waste for potential applications in photocatalysis, nanoelectronics, sensor, etc.



- Photophysical and photochemical processes of organic fluorophores in homogeneous and heterogeneous environments using fluorescence spectroscopy; protein-ligand interaction.
- Computational chemistry, aromaticity, reaction mechanism, magnetism, electrocatalysis, sustainable development of energy.
- Graphitic carbon nitride, hydroxyapatite and metal organic framework-based nanocomposites for environmental remediation and hydrogen evolution reaction.
- Supramolecular Chemistry, organic-inorganic hybrid, metallosupramolecular polymers, aqueous self-assembly and co-assembly, pathway complexity, coordination polymer gel.

b) Ph.D. Produced/Ongoing (in number):

Completed	Submitted	Ongoing
11	3.5	35

c) Ongoing/Completed Sponsored Research Project:

Sl. No.	Project Title	Principal Investigator(s)	Funding Agency	Cost in lakhs	Duration
1	Sustainable Energy Systems for Achieving Novel Carbon Neutral Energy Communities “SUSTENANCE”	Prof. Pranjit Barman	DST, Govt of India	1504.4	3 years 5 months 16 days
2	Defect-engineered Acid-Functionalized Monolithic Metal-Organic Frameworks as a Heterogeneous Catalyst for Biodiesel Production Grant No. 01/3099/23/EMR-II	Dr. Samuel Lalthazuala Rokhum	CSIR	20.52	3 yrs
3	Engineered superhydrophobic biomass-derived organo-catalysts for biodiesel production: Process optimization using response surface methodology, kinetic studies and cost-analysis Grant No. EEQ/2023/000336	Dr. Samuel Lalthazuala Rokhum	SERB	46.82830	3 yrs
4	Development of Nano-structured Materials for Energy Production and Environmental Remediation Grant No. SR/FST/CS-I/2022/275	Dr. Samuel Lalthazuala Rokhum	DST-FIST	151.00	5 yrs
5	Photo-induced Pathway Control in Aqueous Metallosupramolecular Polymers for Switchable (Semi)conductor	Dr. Papri Sutar	ANRF, Govt of India	66	3 years



d) Research Paper Reviewed

Sl. No.	Faculty Name	Journal Name	No. of Paper	Year
1	Prof. S.S. Dhar	Journal of Alloys and Compounds	1	2024
		Chemistry select	2	2024
		New Journal of Chemistry	3	2024
		Materials Letters	1	
		ACS Applied Nanomaterials	1	2024
2	Prof. M.A. Zaman	International Journal of Environmental Analytical Chemistry	7	2024
		Chemical Engineering Journal	5	2024
		Scientific Report	1	2024
		Biomass Conversion and Biorefinery	2	2024
		Journal of Molecular Liquids	1	2024
		Materials Today Communications	1	2024
		Waste & Biomass Valorization	1	2024
		Nanoscale Advances	1	2024
		ACS Nano	1	2024
		RSC advances	3	2024
		Solar Energy	1	2024
		Inorganic Chemistry Communications	1	2024
3	Dr. Shanti Gopal Patra	Computational and Theoretical Chemistry	5	2024
		Chemical Physics Letters	1	2024
		Polyhedron	4	2024
		Journal of Molecular Structure	5	2024
		Chemistry - an Asian journal	1	2024
		ChemPhysChem	1	2024
		Heliyon	1	2024
		Inorganic Chemistry	1	2024
		Results in chemistry	1	2024
		Theoretical Chemistry Accounts	1	2024
		Applied Biochemistry and Biotechnology	1	2024
		Inorganic Chemistry Communications	10	2024
		ACS Applied Engineering Materials	1	2024



1.5 PUBLICATION

a) Journal(s):

1. Barbhuiya, M. H., & Dhar, S. S. (2025). "MoS₂-gC₃N₄ encapsulated in nitrogen-doped graphene oxide: an efficient visible light photocatalyst for removal of Cr (VI) from aqueous solution and mineralization of organic contaminant." *Materials Science and Engineering: B*, 318, 118286. <https://doi.org/10.1016/j.mseb.2025.118286>
2. Bharali, L., Dhar, S. S., & Moyon, N. S. (2025). "Iron (III) acetylacetonate-functionalized hydroxyapatite for efficient photocatalytic degradation of pollutants." *Inorganic Chemistry Communications*, 177, 114366. <https://doi.org/10.1016/j.inoche.2025.114366>
3. Barbhuiya, M. H., Mazumder, D., Pandey, P., & Dhar, S. S. (2025). "WO₃@ Bi₂O₃ nanocomposite decorated on N-rGO sheets: A convenient approach to synthesis, characterization, and analysis of their antibacterial behaviour." *Inorganic Chemistry Communications*, 173, 113842. <https://doi.org/10.1016/j.inoche.2024.113842>
4. Roy, S. D., Nath, S., Sengupta, T., Roy, A., Das, K. C., Nath, A., & Dhar, S. S. (2025). "Green synthesis of Ag-MnO nanocomposite from leaves of Hibiscus rosa-sinensis for efficient dye degradation and antifungal applications." *Environmental Science and Pollution Research*, 1-12. <https://doi.org/10.1007/s11356-025-36082-3>
5. Das, J., Das, N., Das, K. C., & Dhar, S. S. (2025). "Camellia sinensis mediated Zinc Ferrite nanoparticles synthesis and their application in thiamethoxam degradation." *International Journal of Nano Dimension*, 16(1 (January 2025)), 1-10. <https://doi.org/10.57647/j.ijnd.2025.1601.07>
6. Barbhuiya, M. H., Kundu, R., & Dhar, S. S. (2024). "MoO₃/HAp nanocomposites encapsulated in graphene oxide nanoparticle: Development of a novel ternary nanostructure and evaluation of its photocatalytic activity for the treatment of wastewater in environmental remediation." *Materials Chemistry and Physics*, 328, 129945. <https://doi.org/10.1016/j.matchemphys.2024.129945>
7. Kurmi, P., Chakraborty, D., Bharali, L., Kalita, J., & Dhar, S. S. (2024). "Activation of Peroxymonosulfate using a novel heterogeneous catalyst SO-gCN@ ZIF-67 for excellent degradation of Brilliant Green dye." *Inorganic Chemistry Communications*, 169, 113091. <https://doi.org/10.1016/j.inoche.2024.113091>
8. Roy, S. D., Das, K. C., & Dhar, S. S. (2024). "Green synthesis of hydroxyapatite cocooned nonmagnetic (Sr-Cu-MnO) nanocomposite for rapid degradation of colored organic dyes." *Biomass Conversion and Biorefinery*, 14(17), 20473-20483. <https://doi.org/10.1007/s13399-023-04258-x>
9. Roy, S. D., Bhattacharjee, B., Das, K. C., & Dhar, S. S. (2024). "Nonmagnetic nanocomposite of strontium, copper, and manganese oxide in rapid degradation of industrial organic dyes under assistance of sunlight." *Biomass Conversion and Biorefinery*, 14(15), 17329-17339. <https://doi.org/10.1007/s13399-023-04120-0>
10. Roy, S. D., Das, K. C., & Dhar, S. S. (2024). "Facile synthesis of CuO-Ag₂O hybrid metal oxide composite using carica papaya, cocooning with hydroxyapatite, and photocatalytic degradation of organic dyes." *Materials Science and Engineering: B*, 303, 117331. <https://doi.org/10.1016/j.mseb.2024.117331>
11. Chakraborty, D., Bharali, L., Kalita, J., & Dhar, S. S. (2024). "Imidazolium Sulfonic Acid Chloride Ionic Liquid Functionalized NiS-Graphitic Carbon Nitride as a solid acid-base Bifunctional Catalyst for Knoevenagel condensation reactions." *Catalysis Letters*, 154(5), 2353-2369. <https://doi.org/10.1007/s10562-023-04478-w>
12. Roy, S. D., Goswami, M., Das, K. C., & Dhar, S. S. (2024). "Bio-benign synthesis of strontium, copper, and manganese nano-hydroxide from Carica papaya unveiling potential biocidal activity against bacterial strains and conversion to oxides and its characterization." *Biomass Conversion and Biorefinery*, 14(9), 10413-10420. <https://doi.org/10.1007/s13399-022-03086-9>
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158. Yadav, N., Yadav, G., & Ahmaruzzaman, M. (2024). "Azadirachta indica leaf extract-derived NiS@Functionalized biochar catalyst: Efficient acetalization and enhanced reusability in photodegradation of tinidazole." *Renewable Energy*, 229, 120749. <https://doi.org/10.1016/J.RENENE.2024.120749>
159. Yadav, N., Yadav, G., & Ahmaruzzaman, M. (2024). "Camellia sinensis leaf-assisted green synthesis of SO₃H-functionalized ZnS/biochar nanocatalyst for highly selective solketal production and improved reusability in methylene blue dye adsorption." *Renewable Energy*, 224, 120176. <https://doi.org/10.1016/J.RENENE.2024.120176>
160. Yadav, N., Yadav, G., & Ahmaruzzaman, M. (2024). "Catalytic conversion and mechanism of glycerol into various value-added products: A critical review." *Industrial Crops and Products*, 210, 117999. <https://doi.org/10.1016/J.INDCROP.2023.117999>
161. Yadav, N., Yadav, G., & Ahmaruzzaman, M. (2024). "Selective synthesis of oxygenated fuel derivative from microwave assisted acetalization of glycerol: Optimization and mechanistic investigations." *Renewable Energy*, 236, 121465. <https://doi.org/10.1016/J.RENENE.2024.121465>

b) International Conference(s):

1. Sanjurani, T., Paul, S., and Barman, P. (2024). *7th International Conference on Frontiers in Chemical Sciences*, Organized by IIT Guwahati.
2. Rano, R., Islam, R., Sultana, F., (2025). "Study of Low-Rank High Sulphur Coal from North-East India and Its Environmental Impacts on Utilisation", In *Proceedings International Conference on Advances in Energy and Environment for Sustainable Development (AEESD – 2025)*, Campus Institute of Technical Education & Research (ITER), Siksha 'O' Anusandhan, Jagamara, Bhubaneswar, Odisha, India.
3. Ruma Rano, R., Sultana, F. (2024). "Adsorption Studies of Phenol on Coal Combustion Residues", In *Proceedings International Conference on Materials, Energy, Environment and Manufacturing Sciences (MEEMS-2024)*, Shri Madhwa Vadiraja Institute of Technology and Management, Udipi Karnataka, India.
4. Kar, J., Rano, R., Choudhury, S. (2025). "Effect of Silicon (Si) Doping on the Electronic and Optical Properties of Tetragonal Hafnium Dioxide (t-HfO₂) Using First-Principle Calculations" In *Proceedings 5th International Conference on Micro/Nanoelectronics Devices, Circuits, and Systems (MNDCS 2025)*. Department of Electronics and Communication Engineering, NIT, Silchar, Assam



c) Book/Chapter:

1. Gogoi, H.P., Goswami, N., and Barman, P. (2025). "Asymmetric metal-based catalysis." In Török, B. (ed.) *Encyclopedia of Green Chemistry*, vol.3, (pp. 264-276). Elsevier, US.
2. Sarkar, P., Sutradhar, S., Das, D., Kurmi, P., and Ghosh, B.N. (2024). "Synthesis, Properties, and Biological Applications of Thiopyrans." *S-Heterocycles: Retrospect, Prospects, and Biological Applications*, (p227-258) RSC, Online ISBN: 978-1-83767-401-5.
3. Das, D., Das, A., Sutradhar, S., Sarkar, P., and Ghosh, B.N. (2024). "Synthesis, Properties, and Biological Applications of Thiophene." *S-Heterocycles: Retrospect, Prospects, and Biological Applications*, (p317-351) RSC, Online ISBN: 978-1-83767-401-5.
4. Agrawal, P. S., Rokhum, S. L., Vanlalveni, C., and Moyon, N. S. (2024). "The production of biodiesel and related fuel additives." Bentham Science Publishers Pvt. Ltd. Singapore.
5. Poddar, A., Pal, R., Patra, S. G., and Chattaraj, P. K. (2025). "Quantitative Structure-Activity Analysis Using Conceptual DFT and Information Theory-Based Descriptors." pp 91–111.
6. Chakraborty, D., & Dhar, S. S. (2025). "Catalytic Transformation of Biomass Conversion in Ionic Liquids." *Ionic Liquids for Organic Synthesis*, 94-135.
7. Bharali, L., & Dhar, S. S. (2025). "Nanomaterials-integrated hybrid treatments of pharmaceuticals and personal care products." In *Advanced Oxidation Process-Based Integrated and Hybrid Technologies for Degradation of Pharmaceuticals and Personal Care Products* (pp. 263-276). Elsevier.
8. Bharali, L., & Dhar, S. S. (2024). "Green Methods to Synthesize Nanomaterials to Remediate Polluted Environs." In *Sustainable Nanoremediation* (pp. 201-220). Apple Academic Press.
9. Kalita, J., & Dhar, S. S. (2024). Green Palladium Nanoparticles for Nanoremediation. In *Sustainable Nanoremediation* (pp. 451-470). Apple Academic Press.
10. Kalita, J., & Dhar, S. S. (2024). Synthesis of Reusable Magnetic Nanomaterials Through Green Methods and Its Applications. In *Sustainable Green Synthesised Nano-Dimensional Materials for Energy and Environmental Applications* (pp. 222-240). CRC Press.
11. Kalita, J., & Dhar, S. S. (2024). Synthesis of Reusable Magnetic Nanomaterials Through Green Methods and Its Applications. In *Sustainable Green Synthesised Nano-Dimensional Materials for Energy and Environmental Applications* (pp. 222-240). CRC Press.
12. Das, B., Devi, M., & Dhar, S. S. (2024). "Understanding the fundamentals and classifications of scalable solar hydrogen production." In *Towards Sustainable and Green Hydrogen Production by Photocatalysis: Scalability Opportunities and Challenges (Volume 1)* (pp. 91-113). American Chemical Society.
13. Bhuyan, A., and Ahmaruzzaman, M. (2024). "Hydrogen Production from Biomass." *Biomass Wastes Sustain. Ind. Appl. A Waste-to-Wealth Approach* (pp. 453–487).
14. Yadav, N., and Ahmaruzzaman, M. (2025) "Recent Updates and Estimation of Emerging Contaminants in the Environment." *Occur. Distrib. Toxic Eff. Emerg. Contam.* (pp. 17–33). V. Gadore, S. R. Mishra, and M. Ahmaruzzaman, "Potentialities of MXenes and Its Hybrid Materials for Hydrogen Storage." (pp. 103–118)
15. Gadore, V., Mishra, S.R., and Ahmaruzzaman, M. (2025). "Potentialities of MXenes and Its Hybrid Materials for Hydrogen Storage." (pp. 103–118).

1.6 MAJOR EQUIPMENT ACQUIRED:

- UV-Vis spectrophotometer (Cary 650).



1.7 PATENT:

Sl. No.	Details	Year
1	“Composition and System for Synthesizing and Characterizing Monolithic Metal-Organic Framework for Photocatalytic Degradation of Dyes”- German Patent	2024, Patent No. 202024106131
2	Shikhasmita Das, Ruma Rano, and Samuel Lalthazuala Rokhum. “Means and system for the synthesis and characterization of Monolithic Organometallic Frameworks for the Photocatalytic Degradation of Dyes” (German Patent)	2024, Patent No. 2024102511020900DE
3	Bimalendu Adhikari, Arpita Das, Chandrakanta Guchhait, Samuel Lalthazuala Rokhum, Kankana Saikia. “A system for biodiesel production from <i>Jatropha curcas</i> oil using superhydrophobic spherical activated carbon catalyst” (German Patent)	2025, Patent No. 202025105124

1.8 M.Tech. / M.Sc. (Thesis/Project):

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis/Project
1.	Nilotpal Hazarika	Prof. S. S Dhar	Synthesis of HAp@SnO ₂ nanocomposite and Investigation of it's Photocatalytic activity towards Degradation of Congo Red
2.	Krishnapriya Roy	Prof. S. S Dhar	Synthesis of Cu-HAP@BiVO ₄ nanocomposite and Investigation of its Photocatalytic Activity towards Degradation of Methyl Red
3.	Susmita Sahu	Prof. S. S Dhar	Synthesis of Sr-doped HAp/NiO: A Novel Nanocatalyst for Photocatalytic Degradation of Congo Red Dye
4.	Maria Hilaly Mazumder	Prof. S. S Dhar	One-pot Green synthesis of Hydroxyapatite, HAp based Nanocomposite Mn-Ce/HAp for Photocatalytic Degradation of Methylene Blue Dye
5.	Annewsha Chakraborty	Prof. Md. Ahmaruzzaman	Synergistic Photocatalytic Activity of Citrus fruit peel derived Biochar supported Mn-doped Calcium Ferrite for Rhodamine B dye degradation
6.	Khadiza Begum	Prof. Md. Ahmaruzzaman	Fabrication of visible light active SnO ₂ /ZnO@MIL-101(Fe) core-shell heterojunction for the photocatalytic removal of azo dyes
7.	Biswaranjan Panigrahi	Prof. Md. Ahmaruzzaman	Enhanced photocatalytic performance of CuS/O ₂ N-CNT composite for solar-driven organic contaminant degradation
8.	Nityananda Sarkar	Prof. Md. Ahmaruzzaman	Exploring Oxygen-Doped g-C ₃ N ₄ Supported NiS Nanocomposites for Enhanced Photocatalytic Removal of Contaminants from Aqueous Medium



9.	Debangana Mukherjee	Prof. Pranjit Barman	A substituent-modified new Salicylaldehyde-diphenyl-azine based AIEgen: A promising skeleton for copper ion sensing
10.	Pranjal Saraswat	Prof. Pranjit Barman	Synthesis of the tunable long wavelength emissive ESIPT active Schiff base AIEgens applicable as ultrasensitive Copper ion sensor
11.	Jyotirmoy Talukdar	Prof. Pranjit Barman & Dr. Ruma Rano	Studies on the synthesis of Schiff base metal complexes and their application on enzyme mimicking activity
12.	Sayali Jamader	Dr. S.L. Rokhum	Mango leaves-derived carbonaceous material as a green catalyst for biodiesel synthesis from Jatropha curcas oil
13.	Prakhar Dwivedi	Dr. S.L. Rokhum & Dr. Ruma Rano	<u>Paper waste-derived functionalized biochar catalyst for production of biodiesel using Jatropha curcas oil feedstock</u>
14.	Vardhan Narayan Mhatre	Dr. N. S. Moyon	Exploring the molecular interaction and binding dynamics of selected kinase inhibitors with hen egg-white lysozyme
15.	Rutika Pradip Parate	Dr. N. S. Moyon	Competitive study on the interaction of tucatinib with bovine serum albumin
16.	Asha K Eapen	Dr. Biswa Nath Ghosh	A simple Cu(II)-dppy complex for selective detection of hazardous sulphide anion in water and its application in DNA and BSA binding
17.	Trisheema Sen	Dr. Biswa Nath Ghosh	Novel homoleptic dimethoxy terpyridine–Ni (II) complex: Synthesis, characterization, DNA/BSA binding
18.	Sayantan Biswas	Dr. Biswa Nath Ghosh	Synthesis and characterisation of novel ZIF-8 modified K doped g-C ₃ N ₄ composite and peroxymonosulfate for the enhanced visible-light photocatalytic degradation of Rose Bengal dye

1.9 Ph.D. Thesis

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis
1.	Juri Kalita	Prof. S. S Dhar	Synthesis of Selected Hydroxyapatite based Nanocomposites and their applications in various field of Environmental Remediation and Catalytic Organic Transformation
2.	Nidhi Yadav	Prof. Md. Ahmaruzzaman	Development of Biomass-Based Heterogeneous Catalysts to Derive Biofuel and Fuel Additives: Characterization, Optimization, and Mechanistic Insights
3.	Gaurav Yadav	Prof. Md. Ahmaruzzaman	Design and development of waste-derived catalyst for biodiesel production and aqueous environment remediation
4.	Soumya Ranjan Mishra	Prof. Md. Ahmaruzzaman	Indium sulphide-based Nanocomposites for potential environmental applications: Fabrication, Modification, and Performance Evaluation.
5.	Vishal Gadore	Prof. Md. Ahmaruzzaman	Engineered SnS ₂ -based nanostructures: A sustainable approach for photocatalytic degradation of water Pollutants and biodiesel production.



6.	Abhinav Jain	Prof. Pranjit Barman	Synthesis of Aggregation Induced Emission active luminescent Schiff base materials and their application in sensing”
7.	Himadri Priya Gogoi	Prof. Pranjit Barman	Salicylaldehyde-based Schiff Base Metal Complexes: Experimental, Computational, Biological, and Catalytic Studies
8.	Madhumita Patar	Dr. N. S. Moyon	Spectroscopic studies on the interaction of selected polyphenols and silver nanoparticles with proteins
9.	Ankita Jalan	Dr. N. S. Moyon	Spectroscopic investigation on molecular interaction of selected targeted anti-cancer drugs with plasma proteins
10.	Dipankar Das	Dr. Biswa Nath Ghosh	Transition Metal Complexes of Nitrogen-Based Heterocyclic Ligands for Sensing of Biologically Important Anion, Amino Acids and Hazardous Anion
11.	Jayanta Kumar Kar	Prof. S Choudhury, Dr..Ruma Rano	DFT-Based Study and Analysis on some High-K Dielectric Materials and their Application in Nanoelectronic Devices

1. Name of the Department:

Humanities and Social Sciences



The Department at a glance	
Year of Establishment: 1967	
Academic Programmes Offered:	
• Doctor of Philosophy (PhD.)	
Total Faculty Strength: 8	
• Professor: 1 • Associate Professor: 2 • Assistant Professor: 5	
Total Student Strength: 31	
• Ph.D.: 31	
New Students Joined in 2024-2025: 16	
• Ph.D.: 16	

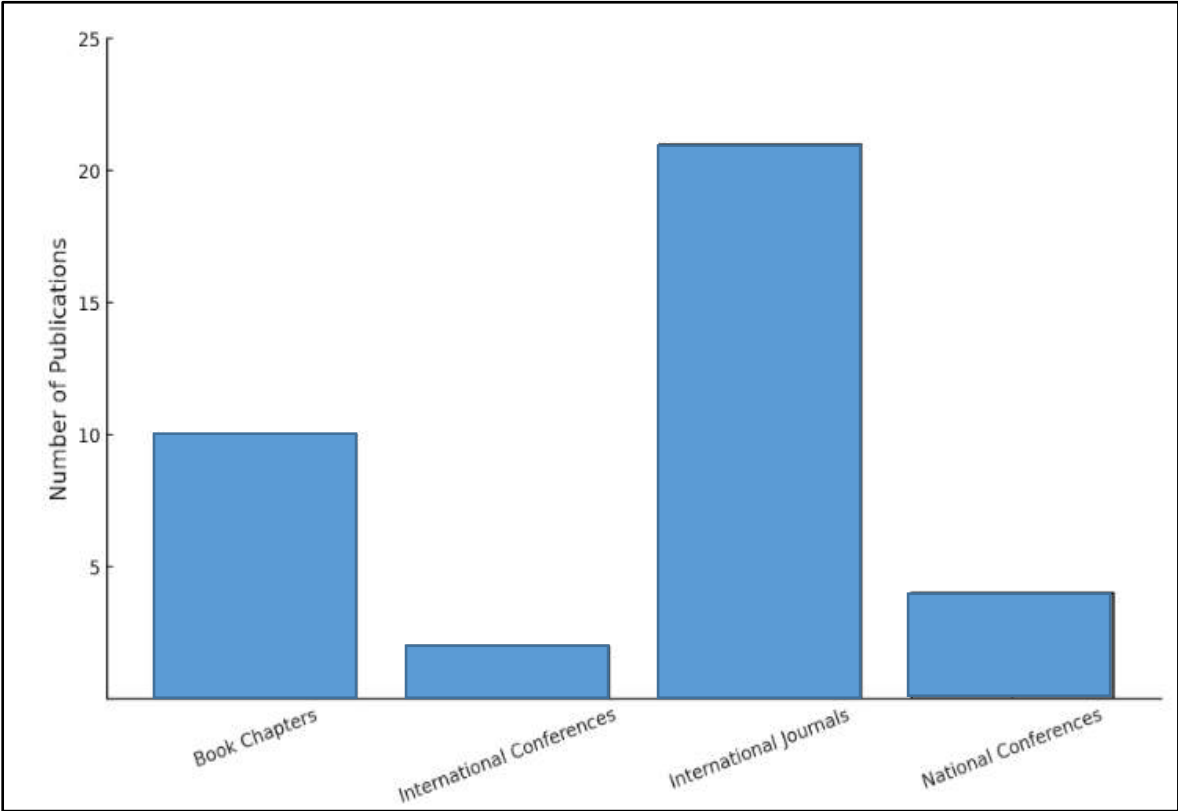


Fig: Publication details of the Department of Humanities and Social Sciences during 2024-2025

1.1 Academic Staff:

HEAD of the Department: Dr. Reena Sanasam, Associate Professor

Name of Faculty members:

Professor	Associate Professor	Assistant Professor
Prof. NB Singh	Dr. Reena Sanasam	Dr. Panchali Bhattacharya
	Dr. Avishek Ray	Dr. Dinamani Biswal
		Dr. Shashi Kumar GK
		Dr. Ujjal Protim Dutta
		Dr. Sumallya Mukhopadhyay



1.2 Distinction Achieved

a) By Student:

- **Anindita Mitra**, a doctoral scholar in the HSS Department, was awarded a travel grant by the International Public Policy Association to attend the Winter School on Public Policy in Doha, Qatar, in January 2025.
- **Diyali Bhattacharya and Sunanda Kar**, doctoral scholars in the Department of Humanities and Social Sciences, visited Royal Holloway, University of London, as student collaborators on the project "Canonising Partition" (project P1704) between March and June 2025. The visit was funded by the Ministry of Education's SPARC (Scheme for Promotion of Academic and Research Collaboration) program. During their stay, they worked under the supervision of Professor Sarah Ansari (project co-PI) and conducted archival research at the British Library.

b) By Faculty Member:

Dr. Shashi Kumar GK

- Awarded the Charles Wallace fellowship to conduct research in the UK

Dr. Sumallya Mukhopadhyay

- Invited talk at Kolkata Centre for Creativity on the topic, "Heartland (Hridaypur): A Trilogy on Refugee Life and Memories", on 18 May 2024.
- Invited to deliver the keynote lecture in the International Colloquium titled 'After Empire' at Boğaziçi University, Istanbul, Turkey, on 27 September 2024.
- Invited lecture titled 'Doing Oral History: Reflections from the Field' at the Department of Cultural Studies, Tezpur University, Assam, on 17 February 2025.

Dr. Panchali Bhattacharya

- Invited as a Resource Person to deliver a lecture on the topic, "Indigenous Ecosophy and Sustainability: Lessons in Human Values," organised by Vivekanandha College of Arts and Sciences for Women (Autonomous), Tamil Nadu, in July 2024
- Invited as a Panel Member for discussion on the topic, "Pantheistic Worldview and Environmental Consciousness in Tribal Art and Literature," organised by the digital storytelling platform #TellMeYourStory in collaboration with the Centre for Asia-Pacific Initiatives, University of Victoria, in June 2024

1.3 SEMINARS, SYMPOSIA, SHORT-TERM COURSES, WORKSHOPS

a) Conducted by Faculty Member

Sl. No.	Name(s) of the Coordinator	Title	Funding Agency	Duration
1	Dr. Sumallya Mukhopadhyay	From Storytelling to Archive: Oral History, Oral Traditions and Indigenous Practices	Oral History Association of India	5 th -9 th November 2024



b) Participated by Faculty Member

Sl. No.	Name of Faculty	Details of the Program	Organizing Institute
1	Dr. Sumallya Mukhopadhyay	Workshop on Developing an Ethical Framework for Oral History	Milli Archives Foundation, Oral History Association of India and Flame University, Pune

1.4 Research Development

a) PhD. Programme (Specialisations):

- Agricultural & Behavioural Economics
- Financial Economics
- Translation Studies
- Eco-Literature
- Folklore Studies
- Oral History
- Memory Studies
- Sports Studies
- Travel Writing
- Women Writing.

b) PhD. Produced/Ongoing (in number):

Completed	Submitted	Ongoing
2	4	27

c) Ongoing/Completed Sponsored Research Project:

Sl. No.	Project Title	Principal Investigator(s)	Funding Agency	Cost in lakhs	Duration
1	Exploring Consumer Willingness to Utilise Solar Energy: An Empirical Study in Selected Districts of Assam	Dr. Ujjal Protim Dutta	ICSSR	Rs. 12,00,000/-	Dec. 19 2024 – Dec. 19 2025
2	Crop Diversification: A Strategy for Resilient Livelihoods in Flood-Affected Assam	Dr. Ujjal protim Dutta	AASSREC	Rs. 3,51,100/-	Nov. 1 2024 – Nov. 1 2025
3	Assessing the Impact of Jal Jeevan Mission: A Comprehensive Study of Water Accessibility, Quality, and Socio-Economic Outcomes in Rural Assam	Dr. Ujjal Protim Dutta	ICSSR	RS. 8,00,000/-	Dec. 19 2024 – Dec. 19 2025



d) Research Paper Reviewed

Sl. No.	Faculty Name	Journal Name	No. of Paper	Year
1	Prof. NB Singh	-	-	-
2	Dr. Reena Sanasam	-	-	-
3	Dr. Avishek Ray	-	-	-
4	Dr. Panchali Bhattacharya	Women's Studies International Forum, Humanities and Social Sciences Communications, British Journal of Guidance and Counselling, Cogent Arts & Humanities	4	2024-2025
5	Dr. Dinamani Biswal	-	-	-
6	Dr. Shashi Kumar GK	-	-	-
7	Dr. Ujjal Protim Dutta	Technology in Society, Child Indicators Research, PloS one, Humanities and Social Sciences Communications	5	2024-2025
8	Dr. Sumallya Muhkopadhyay	Oral History Review, South Asia: Journal of South Asian Studies, South Asian Review International Journal of Human Rights, International Public History, Archiv Orientální, Studies in Oral History, Ars Aeterna	8	2024-2025

1.5 PUBLICATION

a) Journal(s):

Prof. N.B. Singh

1. H. Das and **N. B. Singh**, “Efficiency of Marketing Channels and Factors Influencing Marketing Channel Choice of Horticultural Farmers: Evidence from Assam, India,” *Journal of International Food & Agribusiness Marketing*, pp. 1–17, 2025, doi: 10.1080/08974438.2025.2486243
2. K. B. Singha, **N. B. Singh**, and K. G. Singh, “Economic valuation of wetland products and services: A case study of Sone Beel, India,” *Indian Journal of Natural Products and Resources*, vol. 15, no. 1, pp. 156–177, 2024, doi: 10.56042/ijnpr.v15i1.4483
3. D. Samantaray and **N. B. Singh**, “Sustainable paddy residues management through mushroom cultivation in India,” *Environmental Quality Management*, vol. 34, no. 1, 2024, doi: 10.1002/tqem.22169.
4. H. Das, A. Malemkhombi, and **N. B. Singh**, “Efficiency and Productivity Change of Food Processing Industry in Assam: An Investigation Using Data Envelopment Analysis Approach,” *Indian Journal of Economics and Development*, vol. 20, no. 3, Sept. 2024, doi: 10.35716/IJED-23528.
5. S. Muchahary and **N. B. Singh**, “Do Household Attributes Motivate Outmigration in Rural Areas? Evidence from Bodoland Territorial Region in the State of Assam, India,” *International Research Journal of Multidisciplinary Scope*, vol. 5, no. 4, pp. 1014–1024, 2024, doi: 10.47857/irjms.2024.v05i04.01584.



Dr. Reena Sanasam

1. S. Bhattacharya and **R. Sanasam**, "Problematizing Development and Education for Sustainability," *International Journal of Comparative Education and Development*, pp. 139-154, 2024 <https://doi.org/10.1108/IJCED-06-2023-0051>
2. P. Kalita and **R. Sanasam**, "Simulacrum of Biological Malady HIV+AIDS in the Indian Queer Movie MY Brother Nikhil: A Panoramic Surveillance," *African Journal of Biological Sciences*, vol.6, No. 1, pp. 437-447, 2024.
3. P. Kalita and **R. Sanasam**, "Aesthetics of Characterization in Asian and European Homophile Cinematic Literature: A Comparative Fractionation," *Gravida*, vol.62, no.12, 2023, <https://doi10.5281/zenodo.12794180> page no 957-82
4. **R. Sanasam**, "Literature and Ecocriticism: Towards Understanding Interdisciplinary Studies," *The Indian Journal of English Studies: A Peer Reviewed Journal*, vol. LX, pp. 370-77, 2024.
5. P. Kalita and R. Sanasam, "Programming of Humanoid Artificial Intelligence, Robosexuality and Queer Robotics in Occidental LGBTQ+Cinema: An Experimental Survey," *Information Systems Engineering and Management*, 2025
6. Sardigova, S.I, Muhammag, G.M, Nazirzada, N.L, Aghayeva, J.G, Antar, D., Yusifova, N.Y, Shukhurova, F.S, Kalita, P., **Sanasam, R.** "Unveiling the Dynamics of Sociolinguistics, Understanding Language in Social contexts, Artificial Intelligence Effect", *Forum for Linguistic Studies*, 2025

Dr. Dinamani Biswal

1. **D. Biswal** and C. S. Bahinipati, "Insuring Crops against Climate Risks: A most effective Agricultural practice in India," *Journal of Policy Modeling*, vol. 47, no. 4, 2025, doi: 10.1016/j.jpolmod.2025.06.021.
2. N. R. Mishra, P. Tripathy, and **D. Biswal**, "Extraction of Coal and the Local People's Health Outcomes: Evidence from Talcher Coalfield of Odisha, India," *Journal of Health Management*, 2025, doi: 10.1177/09720634251341020.
3. **D. Biswal** and C. S. Bahinipati, "Demand for Crop Insurance in India: Evidence from National Representative Surveys," *The Indian Economic Journal*, 2025, doi: 10.1177/00194662251334801.
4. **D. Biswal** and C. S. Bahinipati, "Farmers' preference for crop-diversification in India: does crop-insurance play a part?", *Mitigation and Adaptation Strategies for Global Change*, vol. 30, no. 3, 2025, doi: 10.1007/s11027-025-10205-0.

Dr. Shashi Kumar GK

1. **S. Kumar**, "Fashioning the Social: The Position of Shakespearean Translations in the Kannada Literary Polysystem," *Journal of Narrative and Language Studies (NALANS)*, vol. 13, no. 27, pp. 33-47, 2025, doi: 10.59045/nalans.2025.72.

Dr. Ujjal Protim Dutta

1. **U. P. Dutta** and B. Saikia, "Remittances and economic growth: empirical analysis from a panel of selected Asian Nations," *Millennial Asia*, vol. 15, no. 1, pp. 5-23, 2024, doi: 10.1177/09763996221086745.
2. **U. P. Dutta** and N. Hazarika, "Urbanization and carbon emissions: Panel evidence from 68 low-income and lower-middle-income countries," *Journal of Urban Affairs*, vol. 47, no. 1, 2025, doi: 10.1080/07352166.2023.2174871



Dr. Sumallya Mukhopadhyay

1. **S. Mukhopadhyay**, “Affective Listening and Digital Oral History Archives: A Study Based on the 1947 Bengal Partition,” *The Oral History Review*, vol. 52, no. 1, 2025, doi: 10.1080/00940798.2025.2468508
2. **S. Mukhopadhyay**, “Virtual-Kolkata Partition Museum: Oral History Project,” *Oral History*, vol. 53, no. 1, pp. 1–17, 2025.
3. **S. Mukhopadhyay**, “The Changing Face of Kolkata Football: Fans, Fandom and Political Statements,” *Economic & Political Weekly*, vol. 59, no. 19, 2024, <https://www.epw.in/engage/article/changing-face-kolkata-football-fans-fandom-and>.

b) International Conference(s):

1. R. Das and **S. Mukhopadhyay**, “Fans, protest, and business: Mohun Bagan and the #RemoveATK movement in Kolkata Maidan,” *Annual Sports Conference of The Sport in Society Journal*, NEOMA Business School, Reims, France, 2024.
2. **S. Kumar**, ‘The Main Concerns of Modern Literary Histories and Translations from English Literature.’ XVII Biennial International Conference on Comparative Literature as Alternative Humanities Ethics, Effect, and the Everyday Social organized by the Comparative Literature Association of India in collaboration with the University of Delhi, 2024.

c) National Conference(s):

Dr. Reena Sanasam

1. Presented a paper entitled “**Role of Anthropomorphic characters in Northeast Indian Highland Folktales and the construction of Histories of the Communities**” at the Fourth Young Graduate Meet (Interdisciplinary Approaches to South Asian Ecology) organised by the School of Humanities and Social Sciences, IIT Mandi, with sponsorship from Indian Council of Social Science Research (ICSSR) Delhi during 23rd October to 25th October 2024.
2. Presented a paper entitled **Voices from the Margins: Travelogues as Lived Histories in Contemporary Assam** at the Two Day International Conclave in Blended Mode on Transcultural Linguistics, Literary and Cultural Aspects of the Indian Knowledge System.(IKS) organised by Centre for Foreign Language, Bankura University during 15th and 16th February 2025.
3. Presented a paper entitled **Reconceptualising Civilisation: Understanding the Khasis and Angami Nagas by a Reading of Janice Pariat’s Everything the Sun Touches and Easterine Kire’s Sky is my Father** at the Two Day National Seminar on Exploring Folk Culture, Collective Memory, and Translation in Contemporaneity organised by Government Model College, Borkhola in collaboration with Maulana Abul Kalam Azad Institute of Asian Studies, Kolkata during 7th and 8th March 2025
4. Presented a paper entitled **Representation of Traditional Angami Naga Knowledge System in Easterine Kire’s Sky is my Father : A Naga Village Remembered** at the National Conference on Contemporary Trends of Research in Humanities and Social Sciences organised by Department of Sociology and Assamese Birangana Sati Sadhana Rajyik Vishwavidyalaya, Golaghat in collaboration with Internal Quality Assurance cell and Research development Cell Birangana Sati Sadhana Rajyik Vishwavidyalaya, Golaghat (Sponsored by ICSSR(NERC) Shillong) during March 19-20, 2025



d) **Book/Chapter:**

Prof. NB Singh

1. H. Das, A. Malemkhombi, and **N. B. Singh**, “Trend in India’s agro-product trade with neighbouring and ASEAN countries: An analysis from North-East India perspective,” in *Border Trade Between India and Bordering Countries: Problems and Prospects*, A. S. Yarso, Ed. Silchar, India: Astral International Pvt. Ltd., 2025, pp. 337–353.

Dr. Panchali Bhattacharya

1. **P. Bhattacharya** and P. Panda, “Ecology, religion, and indigenous stewardship: Understanding sustainable resource management of North East Indian indigenous communities,” in *A Pragmatic Approach to Religion And Sustainability*, D. Mishra and J. D. Long, Eds. Cham, Switzerland: Springer, Sept 2024, pp. 145–154. doi: 10.1007/978-3-031-67360-3_13
2. A. Satapathy and **P. Bhattacharya**, “Journeys and myths: Transcending boundaries in Amitav Ghosh's *Gun Island*,” in *Toward a New Art of Border Crossing*, A. K. Giri, A. R. Chowdhury, and D. B. Willis, Eds. London, UK: Anthem Press, Nov. 2024, pp. 259–270. doi: 10.2307/jj.22362159.23.
3. A. Satapathy and **P. Bhattacharya**, “Climate activism in Indian regional green cinema: A study of *Bonani* and *Wade*,” in *Environmental Activism and Global Media*, P. Singh, B. Ao, and D. Medhavi, Eds. Cham, Switzerland: Springer Nature, May 2024, pp. 295–308, doi: 10.1007/978-3-031-55408-7_14.
4. **P. Bhattacharya** and P. Panda, “Ecopsychology and Indigenous Ecosophy: Understanding the Relationship between Nature and Human Mind,” in *Eco-Concepts: Critical Reflections in Emerging Ecocritical Theory and Ecological Thought*, C. Tan and İ. S. Altaç, Eds. Bloomsbury Publishing, Jun 2024, pp 101-111.
5. **P. Bhattacharya** and A. Satapathy, “Deconstructing the Idea of Manhood in Indian Television Advertisements,” in *Rethinking Media Studies: Media, Meditation and Communicative Action*, A.K. Giri and S.K. Biswal, Eds. London, UK: Routledge, May 2024, pp 294-311. <https://doi.org/10.4324/9781032632667-23>.

Dr. Ujjal Protim Dutta

1. N. Hazarika, **U. P. Dutta**, and B. Saikia, “Capital Inflow and Financial Status of the Indian Economy: An Empirical Analysis,” in *Convergence and Developmental Aspects of Credit Allocations in BRICS Nations*, R. C. Das, Ed. London, UK: Routledge India, 2024, pp. 188–207, doi: 10.4324/9781003320029-15.
2. **U. P. Dutta** and A. Islam, “Assessing the relationship between crop production, livestock production, and CO₂ emissions: A panel cointegration analysis,” in *Sustainable Agricultural Practices: Economic and Environmental Implications*, R. C. Das, Ed. Bingley, UK: Emerald Publishing Limited, 2024, pp. 145–160.
3. **U. P. Dutta**, “Remittances and its impact on the extension of credit by banks: A panel evidence from BRICS countries,” in *Convergence and Developmental Aspects of Credit Allocations in BRICS Nations*, R. C. Das, Ed. London, UK: Routledge India, 2024, pp. 13–25.

Dr. Sumallya Mukhopadhyay

1. **S. Mukhopadhyay**, “Mnemohistorical reading of the past: Conceptualizing memory-scape and historical time in oral reminiscences of East Pakistani refugees in West Bengal,” in *Memory Studies in India: Texts and Contexts*, S. Ghosh, Ed. Leiden, Netherlands: Brill, 2025, pp. 215–229. doi: 10.1163/9789004722514_015.
2. **S. Mukhopadhyay**, “Life stories and Material Objects: Revisiting the memory of the 1947 Bengal Partition,” in *The Long History of Partition in Bengal: Event, Memory, Representations*, R. Roy, J. Sengupta, and S. Bandyopadhyay, Eds. London, UK: Routledge, 2024, pp. 15–29. doi: 10.4324/9781003317210-8.



1.6 VISITS TO ABROAD

Sl. No.	Name of the Faculty	Name of the Conference/ Programme	Place	Date
1.	Dr. Sumallya Mukhopadhyay	International colloquium titled ‘After Empire’	Boğaziçi University, Istanbul, Turkey	27-29 September, 2024

1.7 Ph.D. Thesis

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis
1.	Ms Sanchari Bhattacharyya (16-3-21-102)	Dr. Reena Sanasam	Human Sciences and Crises of Legitimacy: An Enquiry into Political Economy of Knowledge (1945-2020)
2.	Mr. Kanchan Baran Singha	Prof. N.B. Singh	Economic Valuation of Wetlands Ecosystem: A Case Study of Sone Beel in Assam

1. Name of the Department:

Management Studies



Image1: Faculties of the Department of Management Studies

Industrial Visit of the Department of Management Studies at Andhra Pradesh MedTech Zone (AMTZ) and Vizag Port, at Visakhapatnam during 08th -19th January 2025



Image2: 11th January – Visit to Andhra Pradesh MedTech Zone (AMTZ)



Image3: 13th January – Visit to Vizag Port



The Department at a glance	
Year of Establishment: 2012	
Academic Programmes Offered: • Master of Business Administration (MBA) • Doctor of Philosophy (Ph.D.)	
Total Faculty Strength: 07 • Professor: 0 • Associate Professor: 02 • Assistant Professor: 05	
Total Student Strength: 106 • MBA: 93 • Ph.D.: 13	
New Students Joined in 2024-2025: 54 • MBA: 48 • Ph.D.: 06	

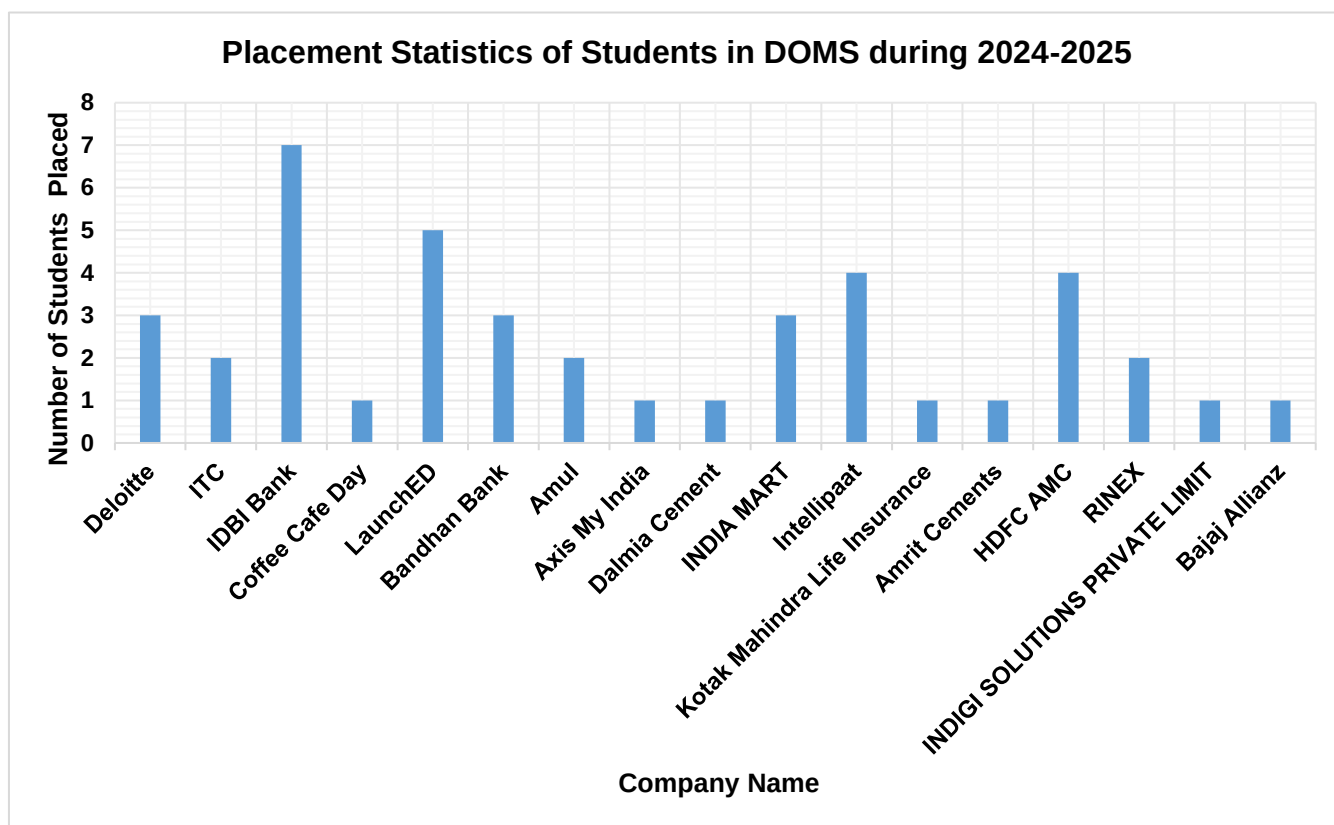


Fig 1: Placement statistics of students in the Department of Management Studies during 2024-2025

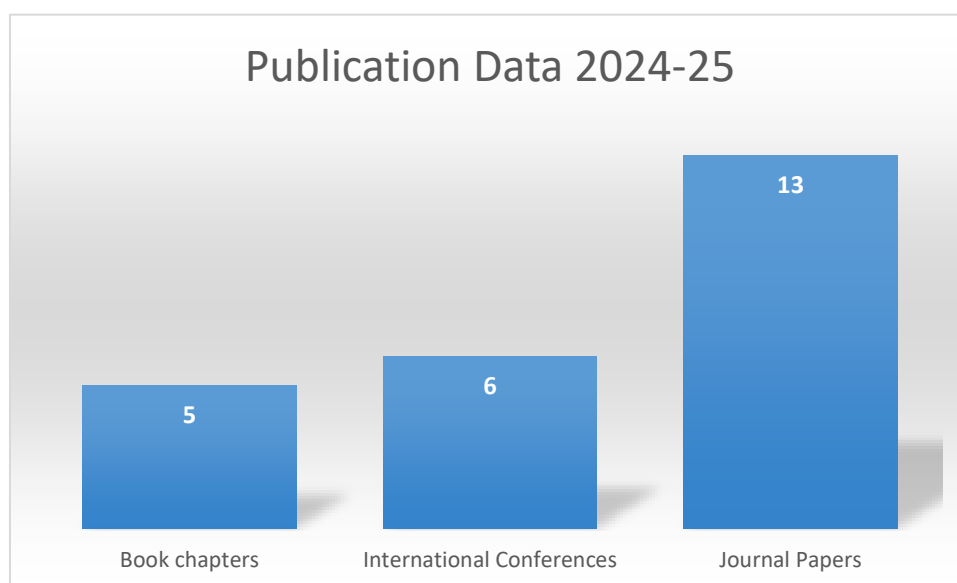


Fig2 : Publication details of Department of Management Studies during 2024-2025



1.1 Academic Staff:

HEAD of the Department: Dr. Ashim Kumar Das, Associate Professor

Name of Faculty members:

Professor	Associate Professor	Assistant Professor
NIL	Dr. Ashim Kumar Das	Dr. Binoti Patro
	Dr. Soma Panja	Dr. Saurabh Verma
		Dr. Rama Koteswara Rao Kondasani
		Dr. Tanaya Nayak
		Dr. Dibya Nandan Mishra

Visiting Professor (If any):

1. CA Anil Jain, Chartered Accountant

1.2 SEMINARS, SYMPOSIA, SHORT TERM COURSES, WORKSHOPS, CONFERENCE

a) Conducted by Faculty Member

Sl. No.	Name(s) of the Coordinator	Title	Funding Agency	Duration
1	Dr. Saurabh Verma & Dr. Ranjay Hazra	GIAN course on Circular and Sustainable Multi Business Model Innovation & Technology	GIAN IIT Hyderabad	10/02/2025 – 21/02/2025
2	Dr Dibya Nandan Mishra & Dr. Ashim Kumar Das	From Vision to Victory: Advanced Techniques for Business Growth	Ministry of MSMSE, DCMSME	1 week
3	Dr. Ashish B Deoghare, Dr. Wasim Arif, Dr. Prashant J, Dr. Binoti Patro.	Two Days Mentoring Session on "Capacity Building of Faculty and Institutions towards Design and Entrepreneurship Development" under the Capacity Building for Design and Entrepreneurship (CBDE).	Ministry of Education (MoE), Govt	January 17&18, 2025



b) Participated by Faculty Member

Sl. No.	Name of Faculty	Details of the Program	Organizing Institute
1	Dr. Binoti Patro	Presented paper titled “Is women’s self-employment incidence impacted by the relationship of Financial inclusion and SHG participation?: A study in remote India” at the 6th International Conference on Financial Markets and Corporate Finance (ICFMCF 2024) held on 6th-7th July 2024.	IIT (ISM), Dhanbad.
2	Dr. Binoti Patro	Presented paper titled “Analyzing stock market co-integration among G20 nations” at the International Management Perspective Conference 2025 (IMPeC 2025) held during Jan 30- Feb 1, 2025.	IIM Sambalpur
3	Lt. Rama Koteswara Rao Kondasani	International Symposium on Elevating Service Excellence through Consumer Centricity scheduled on 18 -19 Jan , 2025.	International Research Symposium in Service Management (IRSSM) India Chapter-24
4	Dr. Dibya Nandan Mishra	CBDE Pedagogy Workshop on Design and Entrepreneurship.	CBDE- NIT Silchar

1.3 Research Development

a) Ph.D. Programme (Specializations):

1. Finance and Accounting
2. Marketing Management
3. Human Resource and Organisation Behaviour
4. Entrepreneurship and Small Business Management
5. Intellectual Property Rights
6. Business Analytics

b) Ph.D. Produced/Ongoing (in number):

Completed	Submitted	Ongoing
06	02	17



c) **Ongoing/Completed Sponsored Research Project:**

Sl. No.	Project Title	Principal Investigator(s)	Funding Agency	Cost in lakhs	Duration
1	An Impact Assessment of Scheme for Facilitating Start-ups Intellectual Property Protection (SIPP) in Promoting Entrepreneurship and Innovation in India	Dr. Saurabh Verma	Department of Science and Technology	13,51,720	2 Years
2	Comparative Study on the Implementation of Skill India Mission (PM Kaushal Vikas Yojana) in the Institutes of Assam and Delhi	Dr. Soma Panja	ICSSR	15 L	9 Months
3	Leveraging Indigenous Medical Care for Tourism and Livelihood in Assam	Dr Dibya Nandan Mishra	ICSSR, New Delhi	12	1 year

d) **Research Paper Reviewed**

Sl. No.	Faculty Name	Journal Name	No. of Paper	Year
1.	Dr. Binoti Patro	International Review of Economics	01	Mar 2025
		Discover Sustainability	01	Mar 2025
		Cogent Economics & Finance	01	Nov 2024
		Cogent Business & Management	01	Oct 2024
		Decision	01	Apr 2024
2.	Dr. Saurabh Verma	Int. J. of Public Law and Policy (IJPLAP)	01	2024
		IIMS Journal of Management Science	01	2024
		Pharmaceutical Patent Analyst	01	2024
		Humanities and Social Sciences Communications	01	2025
3.	Lt. Dr. Rama Koteswara Rao Kondasani	Health Expectations	01	2025
		International Journal of Hospitality & Tourism Administration	02	2024, 2025
		Tourism Recreation Research	02	2024, 2025
		Asia-Pacific Journal of Regional Science	01	2025
4	Dr. Dibya Nandan Mishra	American Marketing Association Conference	05	2024, 2025
		Electronic Commerce Research	01	2024
		Journal of Modelling in Marketing	01	2024
		Management Decisions	01	2024
		Journal of Accounting & Organizational Change	01	2024
		Public Transport	01	2025
		Humanities and Social Sciences Communications	01	2025



e) **Chairing of the Technical Session**

Sl. No.	Faculty Name	Details
1.	Dr. Binoti Patro	International Conference on Sustainability and Economic Integration (ICSEI-2024) held by Department of Economics, Manipal University Jaipur on 23rd and 24th December 2024
2.	Lt. Rama Koteswara Rao Kondasani	Performed Session Chair for IRSSM Conference WGSMA 2024 organised in Aug 2024
3.	Dr Dibya Nandan Mishra	Judge in E-cell, NIT Silchar

1.4 PUBLICATION

a) **Journal (s):**

- Verma, S., Yadav, S. K., & Paul, S. (2025). Exploring Consumer Intentions towards Cloud Kitchen in India: A Mediation Model Framework, *IIMS Journal of Management Science*, 16(2), 146-169.
- Verma, S., Yadav, R., Andrade, H. D. S., & Yadav, S. K. (2025). Understanding Household Hesitancy: Analysis of E-Waste Recycling Application Adoption Among Indian Recyclers. *Cleaner Waste Systems*, 11, 100265. (Scopus).
- Ghosh, S., Gurusamy, M. & Verma, S. (2025). Green initiatives in Indian textiles, *Asian Textile Journal*, 33(10-11), 58-61 (Scopus).
- Das, A. R. & Panja, S. An Empirical Investigation of the Impact of Retail Investors' Sentiment on their Investment Decisions. *Australasian Accounting, Business and Finance Journal*, 18(4), 84-104, 2024, Indexed in Scopus.
- Borthakur, M., & Kondasani, R. K. R. (2024). Responsible tourist behavior in ecotourism: the roles of value, satisfaction and intention. *Leisure/Loisir*, 1–24. <https://doi.org/10.1080/14927713.2024.2410177>
- Das, A., Kondasani, R. K. R., Deb, R., & Batabyal, D. (2024). Leveraging user-generated content (UGC) in pre-travel behavior: A PLS-SEM and necessary conditions analysis (NCA) approach. *Tourism and Hospitality Research*, 0(0). <https://doi.org/10.1177/14673584241292254>.
- Das, A., Kondasani, R. K. R., & Deb, R. (2024). Religious tourism: a bibliometric and network analysis. *Tourism review*, 79(3), 622-634. <https://doi.org/10.1108/TR-08-2022-0387>.
- Deb, R., Kondasani, R. K. R., & Das, A. (2024). Package adventure tourism motivation: scale development and validation. *Tourism Recreation Research*, 50(4), 786–798. <https://doi.org/10.1080/02508281.2024.2343632> .
- Beuria, R.K., Kondasani, R. K. R., & Mahato, J. (2024). Unraveling the impact of minimalism on green purchase intention: insights from theory of planned behavior. *Research Journal of Textile and Apparel*. <https://doi.org/10.1108/RJTA-05-2024-0073>.
- Roy, P., & Patro, B. (2025). Effect of women's self-help group participation on their financial inclusion measured through a women-centric index: A study in North-East India. *Annals of Public and Cooperative Economics*, 96(1), 65-97.
- Barik, S., & Nayak, T. (2024). Workplace spirituality: exploring past, present and future through bibliometric analysis. *Benchmarking: An International Journal*, 31(9), 3216–3241.
- Barik, S., & Nayak, T. (2025). Nurturing subjective wellbeing through ethical climate: The mediating role of psychological empowerment. *Human Systems Management*, 44(4), 615-628.
- Barbhuiya, A. A., Das, A. K., & Dey, S. (2024). Predicting Financial Manipulation Using an Ensemble-based Approach. *Vision: The Journal of Business Perspective*, 0(0). <https://doi.org/10.1177/09722629241255833>



b) International Conference(s):

1. R. Das , S. Panja & A. Chakraborty, “It's Green but washing: A Framework to Measure Greenwashing Behavior”, In Proceedings Diamond Jubilee International Conference titled Greening Minds for a Greener Future, March 28th 2025, BITS Pilani, BITS Pilani.
2. Gautam Dua, Neela Gollapudi, Ram Koteswara Rao, Praseeja Rajeev Menon, and Seema Rafique, “A Psychological Exploration of Customer Propensity to Innovate in the Tourism Metaverse”, In Proceedings International Research Symposium in Service Management - 12 (2024), August 6th 2024 - August 9th 2024, 2024, Manipal Academy of Higher Education (MAHE), Manipal.
3. Dr Vidya Patwardhan, Dr Rama Koteswara Rao Kondasani, Dr Madhukar Saxena, Dr Jitendra Patel, “Integrating Service Fairness as a Second-Order Construct in Explaining Satisfaction, eWOM, and Behavioral Intentions of Restaurant Diners”, In Proceedings International Research Symposium in Service Management (IRSSM) India chapter-24, January 18th -19th 2025.
4. D.N. Mishra. Conference proceedings on Structural Equation Modelling, Mastering Systematic Literature Reviews and Fundamentals of Forecasting/ Interpretive Structural Modeling (ISM) at MDRC 2025, IIFT Kolkata.
5. B. Patro. Conference proceedings on “Is women’s self-employment incidence impacted by the relationship of Financial inclusion and SHG participation?: A study in remote India” at the 6th International Conference on Financial Markets and Corporate Finance (ICFMCF 2024) held on 6th-7th July 2024 at IIT(ISM) Dhanbad.
6. B. Patro. Conference proceedings on “Analyzing stock market co-integration among G20 nations” at the International Management Perspective Conference 2025 (IMPeC 2025) held during Jan 30- Feb 1, 2025 at IIM Sambalpur.

c) Book/Chapter:

1. Llusaá, F., **Verma, S.**, Chandel, A. K., & de Souza Andrade, H. (2024). Critical Factors in Intellectual Property Creation, Protection, and Commercialization Management Process in Biotechnology. In *Biorefinery and Industry 4.0: Empowering Sustainability* (pp. 345-363). Cham: Springer Nature Switzerland.
2. R. Deb & **S. Panja**. (2024). “Do fund Managers possess time abilities? An Empirical analysis based on Indian Bank Sponsored Fund”, *Emerging markets and Opportunities*. Kumud Publications.
3. Nath, R. Sengupta, S. & **Patro, B.** (2025). Cointegration between Stock Movements of G20 Countries. *International Management Perspective Conference 2025 (IMPeC-25)*, Vol. 1, Chapter no. 29, pp. 298-312. Excellent Publishing House. ISBN: 978-93-94086-62-3.
4. Kar, D. & **Patro, B.** (2025). Behavioral Biases and Socially Responsible Investment Decision: Through the Lens of Prospect Theory. *International Management Perspective Conference 2025 (IMPeC-25)*, Vol. 1, Chapter no. 44, pp. 441-450. Excellent Publishing House. ISBN: 978-93-94086-62-3.
5. Kar, D., **Patro, B.** & Bhattacharjee, R. (2025). Assessing the drivers of Socially Responsible Investment Behavior among Retail Investors: Perspective from The Social Cognitive Theory. *Business Economy in India Current Scenario and Future Prospects*, Vol. 1, Chapter no. 10, pp. 143-162. Bharti Publications. ISBN: 978-93-48059-87-1.



1.5 MBA (Thesis/Project)

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis/Project
1.	Dhiraj Kumar Deka	Dr. Saurabh Verma	Effect on Consumer Behavior to Augmented Reality (AR) in E-commerce
2.	Rajkumar Nganthoiba	Dr. Saurabh Verma	A study on green apparel purchase intention in Northeast India and its influencing factors
3.	Plaboni Nath	Dr. Saurabh Verma	The role of culture in Predicting consumers' buying Behavior towards apparels: A case study of assam
4.	Madhurja Bikash Barman	Dr. Saurabh Verma	A study on consumers' intention to adopt Buy Now, Pay Later (BNPL) services on ecommerce platform
5.	Guna Gubinda Bora	Dr. Saurabh Verma	A Study on the Impact of In-game Purchases on Customer E-Loyalty and In-App Purchase Intention
6.	Rishabh Sharma Bharadwaj	Dr. Saurabh Verma	The role of influencer marketing in making purchase decisions by consumers regarding beauty and cosmetic industry in northeast India
7.	Deeshant Talukdar	Dr. Saurabh Verma	A study on the effectiveness of social media on consumer purchase decision with reference to apparel brands
8.	Abhijnyan Changkakoti	Dr. Saurabh Verma	The role of Packaging in predicting consumer behavior towards cosmetic and personal care products
9.	Partha	Dr. Saurabh Verma	The Role of social Media in Influence Consumer Behavior in Promoting Online Courses
10.	Ashutosh Jha	Dr. Soma Panja	Assessing the Impact of Leverage on Profitability: A Study of the Indian Aviation Sector
11.	Ankita Saha	Dr. Soma Panja	Impact of Monetary Policy on Banks' Profitability
12.	Aniket Das	Dr. Soma Panja	Effect of Merger and Acquisition on the Financial Performance of Banks
13.	Ritapa Das	Dr. Soma Panja	A Comparative Analysis of Deep Neural Networks for Financial Predictions: Evidence from the Indian Stock Market
14.	Hena Priya Hazarika	Dr. Soma Panja	Impact of Cultural Environment on Investors' Investment Decision
15.	Priyanka Bharti	Dr. Soma Panja	Effect of Free Cash Flows and Profitability on Debt Policy: A Study of Healthcare sector Listed in National Stock Exchange
16.	Adarsh Ghimire	Dr. Soma Panja	A Study of Testing the Market Efficiency of the Indian Stock Market: An Event Study with Reference to the Adani-Hindenburg Row



17.	Vijayaa Kanoi	Dr. Binoti Patro	Impact of Blockchain Technology on Operational Efficiency and Security in the Indian Banking Sector
18.	Snehasmita Sengupta	Dr. Binoti Patro	Cointegration between stock Movements of G20 countries
19.	Bishal Saha	Dr. Binoti Patro	Involving Employees in the Decision-making Process and its Influence on Employee Productivity
20.	Nayanjyoti Saikia	Dr. Binoti Patro	The Role of Workforce Diversity in Improving Firm Innovation Performance
21.	Chandrali Neog	Dr. Binoti Patro	A study on the relationship between Women leadership and job satisfaction
22.	Barsha Das	Dr. Binoti Patro	Impact of organizational climate on employee turnover intention
23.	Neha Bordoloi	Dr. Binoti Patro	Role of Organizational Support Programs to Enhance Work Outcomes and Employee Behavior
24.	Ruma Biswas	Dr. Binoti Patro	The Effect of Leadership role perspectives of Select Entrepreneurs on conflict resolution styles
25.	Shreya Deb	Dr. Binoti Patro	Impact of using chatGPT on students' self-confidence
26.	Arindom Boro	Dr. Binoti Patro	Assessing Employees Perspective on the Impact of Online Digital Platforms in Effective Recruiting in Organizations
27.	Jha Abhishekkumar Sanjay	Lt. Dr. Rama Koteswara Rao Kondasani	Role of Ethical Marketing Practicies and its impact on buying intention in FMCG Sector
28.	Mr. Akhil Subham Sanga	Lt. Dr. Rama Koteswara Rao Kondasani	Consumer Behaviour towards Olfactory Marketing and Market Innovation
29.	Anindya S. Mahanta	Lt. Dr. Rama Koteswara Rao Kondasani	Impact of select influential factors on purchase intentions of E-scooters in Assam.
30.	Chiranjeet Kumar Baruah	Lt. Dr. Rama Koteswara Rao Kondasani	A Study on Consumer Ethnocentrism and Patriotism on The Preference of Traditional Silk Products of Assam
31.	Kushal Deb Roy	Lt. Dr. Rama Koteswara Rao Kondasani	Study on Influence of Green Marketing on Consumer Purchase Intention of Cosmetic Products
32.	Plabon Jyoti Dutta	Lt. Dr. Rama Koteswara Rao Kondasani	Unveiling the antecedents shaping E-Word-of-Mouth by consumers on social media within the Apparel Industry in Assam
33.	Ranjana Das	Lt. Dr. Rama Koteswara Rao Kondasani	Study on Impact of AI-Driven Personalized Ad Recommendation On Social Media On User Purchase Intention



34.	Tumpa Dey	Lt. Dr. Rama Koteswara Rao Kondasani	Understanding Generation Z's Online Purchase Behaviour in India
35.	Pratistha Sonowal	Dr. Tanaya Nayak	Crafting Your Own Career: Cultivating Career Satisfaction Through A Sense Of Career Calling And Job Crafting
36.	Gargi Ananya Boruah	Dr. Tanaya Nayak	Investigating Turnover Intentions in Retail Sector: The influence of Leader-Member Exchange and Employee Commitment.
37.	Aman Kumar	Dr. Tanaya Nayak	Examining the Effects of Chat GPT on Knowledge Acquisition at workplace
38.	Utpal Kant	Dr. Tanaya Nayak	The Influence Of Decent Work On The Job Satisfaction Of Gig Workers
39.	Simpi Borah	Dr. Tanaya Nayak	Knowledge Hiding Behaviour: Exploring the role of Social Capital, Cultural Intelligence and Gender
40.	Anindita Biswas	Dr. Tanaya Nayak	Unravelling Workplace Bullying In The Banking Sector: Examining Its Impact On Turnover Intentions With Mediating Effect On Employee Voice
41.	Aditee Mitra	Dr. Tanaya Nayak	The influence of job autonomy on innovative work behavior
42.	Meekha Gogoi	Dr. Tanaya Nayak	Exploring Cyberloafing: The Role of Workplace Ostracism and Workplace Loneliness.
43.	Maitreyee Gogoi	Dr. Tanaya Nayak	Impact Of Rewards And Incentives On Employee Performance With Job Satisfaction As The Mediator
44.	Sarnendu Dutta	Dr. Tanaya Nayak	Effect of Inclusive Leadership on Self-Efficacy: Exploring Diversity and Inclusive Culture as a Mediator
45.	Kangkana Chetia	Dr. Dibya Nandan Mishra	Work-Life Balance in the Private Banking Sector: A Northeast India Perspective
46.	Anurag Gogoi	Dr. Dibya Nandan Mishra	Assessing the Impact of Transformational Leadership style on Employee performance with Employee Motivation as mediation in the Oil Industry of Assam
47.	Gargi Sinha	Dr. Dibya Nandan Mishra	Digital Marketing and its Impact on Consumer purchase decision: An Indian Perspective
48.	Himangshu Choudhury	Dr. Dibya Nandan Mishra	Virtual Validation: How Online Feedback Shapes Consumer Purchase Behaviour of Electronic Products in Northeast India
49.	Bill Chakrabarty	Dr. Dibya Nandan Mishra	Analyzing the role of Emotional Branding In Shaping Consumer Perception and Purchase Intention



1.6 Ph.D. Thesis

Sl. No.	Name of the Scholar	Name of the Supervisor	Title of the Thesis
1.	Mr. Rituraj	Dr. Saurabh Verma	Intellectual Property Infringements in Fashion Products: An Indian Consumer’s Perspective
2.	Mr. Abhijit Ranjan Das	Dr. Soma Panja	Behavioral Factors Influencing Investors’ Decision Making in Indian Stock Market
3.	Ms. Jhuma Ray	Dr. Soma Panja	Portfolio Optimization Using Metaheuristic Approaches

ACADEMIC CENTRES & CELLS

CENTRAL COMPUTER CENTRE



1. Head / Faculty In Charge:

Dr. Saroj Kumar Biswas, Associate Professor & Faculty In Charge (Computer),

Dr. Devendra Singh Gurjar, Assistant Professor & Faculty In Charge (Networks).

2. Staffs:

Officer	Technical Staff	Regular Staff
(i) Mr. Kumar Mithilesh, Senior Technical Officer.	(i) Abhishek Palit (contractual), (ii) Rupak Ranjan Deb (contractual), (iii) Nazmul Haque Laskar (contractual), (iv) Abinash Bhar (contractual).	(i) Ms. Champabati Balmiki, Sr. Office Attendant (ii) Md Rashid Hussain, Technician



3. A Brief Introduction and Activities of CCC:

The Institute computing facility is maintained by the Central Computer Centre (CCC) which includes high-end servers and Intel Core-i7 based Personal Computers. The CCC comprises of two computer labs equipped with around 270 computers.

The state-of-art IT Infrastructure is deployed in the year 2013 and the whole Institute including the various departments, Students' Hostels, Administrative Building, Guest House, Library, Residential Quarters, Health Centre, Estate Engg. Branch, SAC Building, NITS Café, are connected by a campus-wide LAN and Wi-Fi facility using high-speed Fibre Optic cables (1 Gbps). The LAN, Wi-Fi is managed by High-Level Switches, controllers, and Servers. The Switches are connected by Fibre Optic Cables to Switches located in different academic departments, students' hostels of the Institute. Internet services are provided to around 10000 nodes as LAN and 150 wireless connections at NIT Campus. The Institute has 03 (three) leased lines with BSNL, PGCIL & NKN having 5 Gbps, 1 Gbps and 1 Gbps connectivity respectively. So as a whole the institute is having three different internet service providers which provides 24x7 Internet Connectivity to serve the internet needs of Institution :

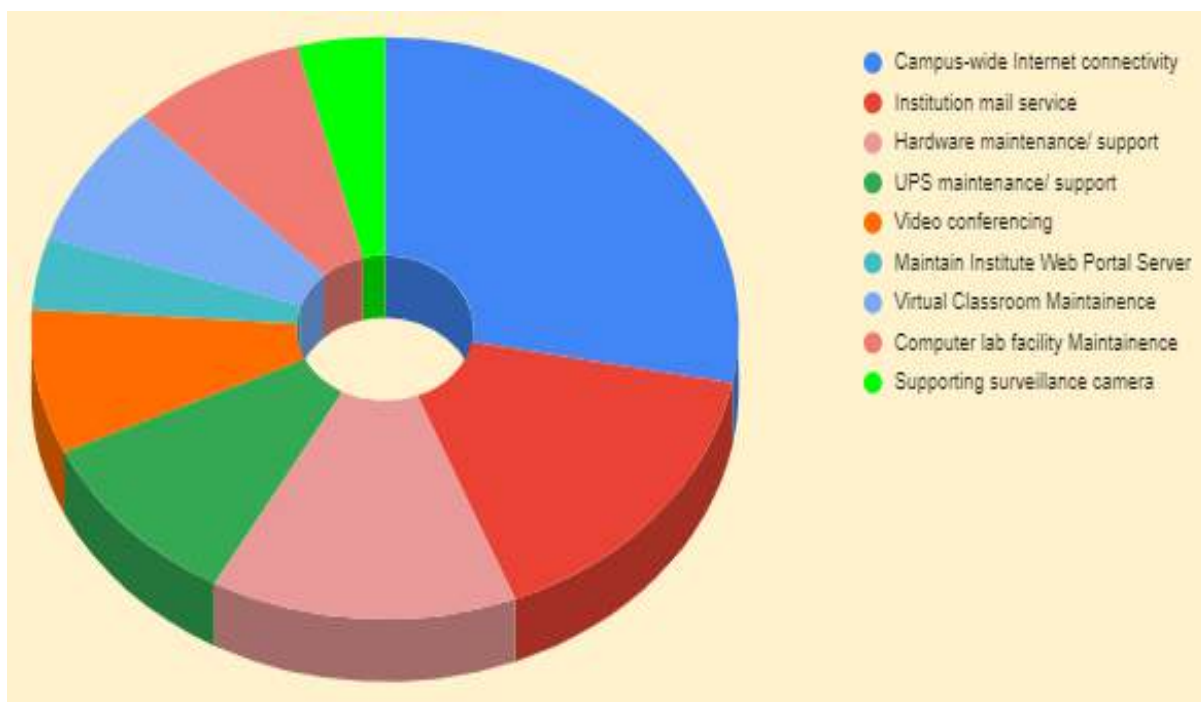
- (i) 5 Gbps BSNL leased line serves the connectivity to academic departments and high priority final year hostel,
- (ii) 1 Gbps PGCIL leased line serves the connectivity of residential area of the Institute and server as back-up link for entire Institute on unavailability of NKN & BSNL link,
- (iii) 1 GBPS NKN leased line is used for all remaining hostels in the campus.

Currently, Wi-Fi connectivity is available at Guest House, Administrative Building, Lecture Hall Complex, all Residential Quarters, Health Centre, Estate Engineering Branch, SAC Building, NITS Café, Sports Complex as well as the departments. Network expansion still continues and work is going on for making the campus Wi-Fi by deploying more access points. CCC takes all possible steps in its capacity to make the network accessible round-the-clock. Efforts are conducted to improve the reliability of meeting the expectations of the end-users.

4. Facilities provided by the Central Computer Centre :

1. Campus-wide Internet connectivity: Providing / maintaining internet facility around campus through LAN and Wi-Fi on a required basis.
2. Institution mail service: Creating and looking after personal Institute mail of all employees and students. Institute e-mail Ids are served to all, under nits.ac.in domain. The center manages institute email accounts of faculties, students, and other staff members. Recently the center procured a G-Suite license free of cost and right now the institute email ID is running on top of a robust and highly available G-Suite service.
3. Hardware maintenance/ support: On the required basis, rectifying computer hardware issues over academic areas.
4. UPS maintenance/ support: Based on the requirement, providing UPS backup to active network components.
5. Institution web portal: The institute website is hosted in one of the servers of the central computer center and the center has to maintain the hosting server.
6. Video conferencing: CCC is equipped with the arrangement for supporting video conferences with MHRD, Rastrapati Bhawan, and live lecture series with other institutions, virtual sessions.
7. Virtual Classroom: Through this Virtual Classroom, it is possible to conduct technical sessions/ discussions with other institutions. Around the year, virtual classroom is used as a venue for many events (online/offline) such as conferences, workshops, GIAN courses, seminars, defense examination, etc.
8. Computer lab facility: Two labs are operated and maintained under the center for
 - A) Training and Placement (T&P) Cell's activities,
 - B) Lab for common online examinations,
 - C) Central Computing / Internet Facility.
9. Supporting surveillance camera: Providing support on network and configurations for IP Cameras around the campus.
10. The center manages all the online meetings and provides Google Meet solutions to all the faculties and staff to run online classes/meetings smoothly.

5. Central Computer center at a glance



a) Virtual Class Room



b) Online Meeting Conducted



(c) Lab Setup

CENTRAL LIBRARY



1. INTRODUCTION

The Central Library of NIT Silchar renamed as "**Bharat Ratna Dr. A.P.J. Abdul Kalam Learning Resource Centre**" is an integral part of academic and research activities of NIT Silchar, it was set up in the year 1977 and it is one of the best technical libraries in North East India. It has been growing and expanding in the aspect of collection both in print and digital form since its inception and provide services to the academic fraternity of NIT Silchar to meet their teaching, research, and consulting, training and learning requirements. The range of services offered by the library is comparable to the best libraries in the eastern zone of India. Keeping in view the dynamic synergic development, during the year 2019-20 and 2020-21, Conference Room, Language Lab and, the Digital Library Room of the Dr. A. P. J. Abdul Kalam Learning Resource Centre has been made ready for the users.

The key officers of the Central Library are:

Chairman:

Prof. Upendra Kumar, B.Sc. (Civil Engg.), M.E., Ph.D

Assistant Librarian:

Mr. Niladri Majumdar, B.Tech, BLIS & MLIS (Gold Medal)

Library Carpet Area: 7630 Sq.m

Timing: 9.00AM to 9.00PM (MON to SAT)

Total Staff → 9

Library Trainee (With LIS Degree) → 10

No of Staff with LIS degree: 3

No of Skilled Staff without LIS degree: 2

No of Non -Skilled staff: 4.



2. COLLECTION DEVELOPMENT

Collection building is one of the important functions of the library, which supports the academic and research activities of the students, faculty, staff, and other users. Collections of the central library are printed books, CDs, printed journals, e-journals/databases, e-books, theses, dissertation, reports, standards, and other reading materials covering the areas of science, engineering, technology, humanities, social sciences, and management. The following table presents the collections of the library for the year 2023-24.

The total collection of the library as on 21st August 2025 stands as follows:

Name of Resources	As on 31 st March 2022	As on 31 st March 2023	As on 31 st March 2024	As on 31 st March 2025
Books	115925	118506	122582	126927
Book Bank (General)	9235	9235	9235	9235
Book Bank (SC & ST)	9497	10513	10513	10513
e-Book	0	0	721	6303
Print Journals & Magazines	69	65	56	Not Renewed
Bound Volumes	5768	6270	6270	6270
CD-ROMs	4738	5917	5917	5917
Databases & E-journals package	23	23	23	10 + ONOS
Videos	909	909	909	909
ISI Code (Printed)	8627	8627	8627	8627
IRC Codes	152	152	152	152
Thesis	354	473	532	685
Project & Dissertation	1323	1672	1961	2213
Reports/ Annual Reports	520	541	583	587

A need-based collection of knowledge resources are developed keeping in mind the objectives and activities of the Institute.

➤ Printed Journals / Magazines

During the financial year 2023-24, Library reviewed and subscribed 56 printed journals/ magazines based on the use of the library users. In present financial year 2025-2026, Printed journal, newspaper and magazine subscription is under process.

➤ E-resource/database:

NIT Silchar is a member institute under One Nation One Subscription (ONOS). Except 13000+ Journal title via ONOS, NIT Silchar subscribe Royal Society of Chemistry, Canadian Science Publishing, Royal Society of Chemistry, Springer Nature LNCS along with CSE E-books, Indiastat Datanet, Emerald Emerging Market Case Studies, Book Supply Bureau (IS Complete Set - Online), Book Supply Bureau Edge (ASTM Standards & Engineering Digital Library).

Further, NIT Silchar also procured the Research tools like **Elsevier Scopus** and NIT Silchar also got the license of **Turn-it-in** for similarity check.

In addition to these, NIT Silchar has also got the licence of **Grammarly** for writing thesis and dissertation with correct English without any grammatical mistake and they can search and check their reports through the link: <https://www.grammarly.com/edu>.

Central Library renewed license for **Knimbus** to provide library facilities for the off-campus library users' and they can access library e-resources through link <https://nits.knimbus.com/user#/home>.

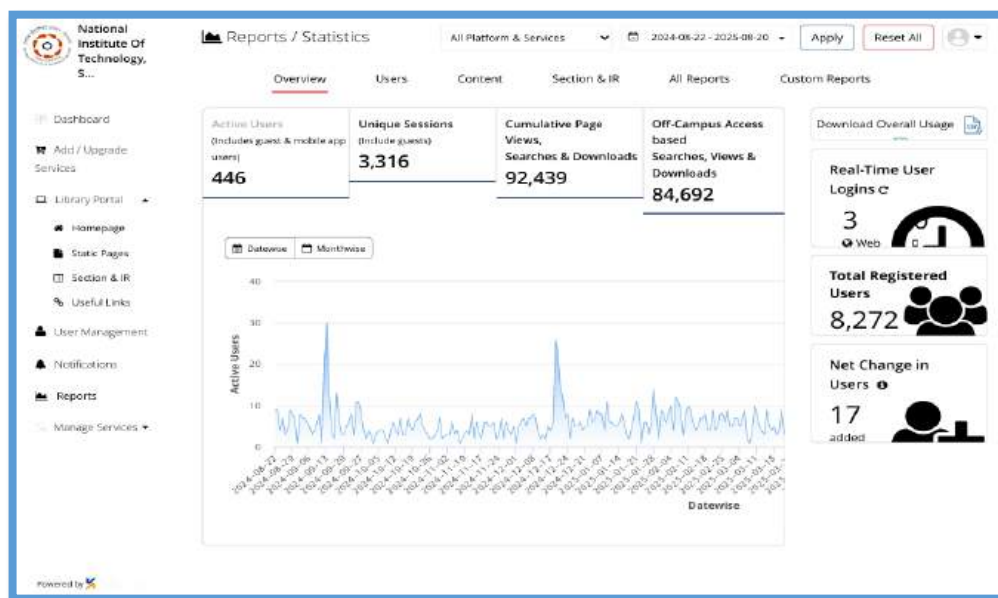
➤ E-Books:

NIT Silchar has a good collection of e-books from major publishers. The major publishers are Elsevier, Springer, Pearson, Oxford University Press, Tata McGraw Hill, and Cambridge University Press, Wiley, Sage, Taylor & Francis, Laxmi.

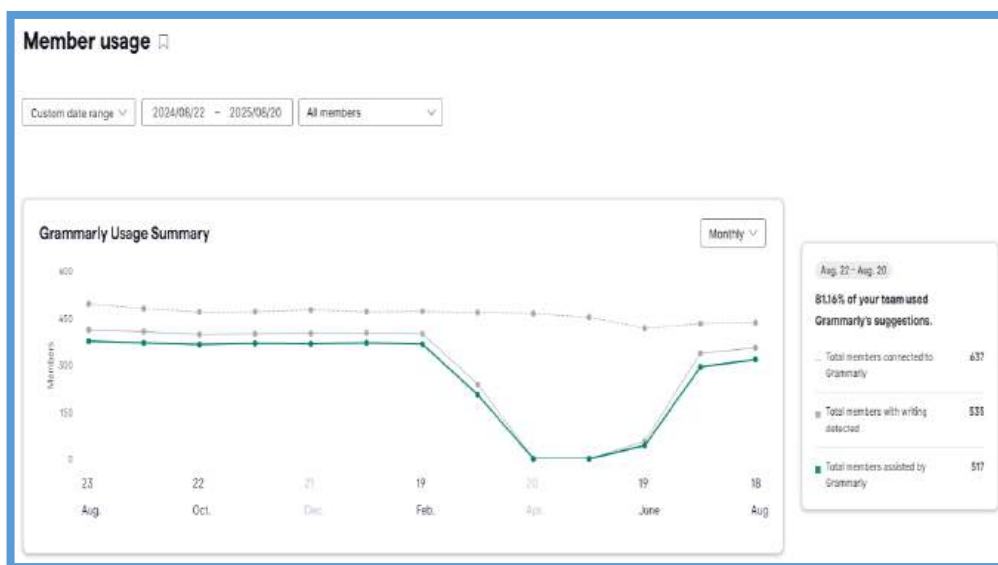


➤ Usage Statistics of Electronic Resources:

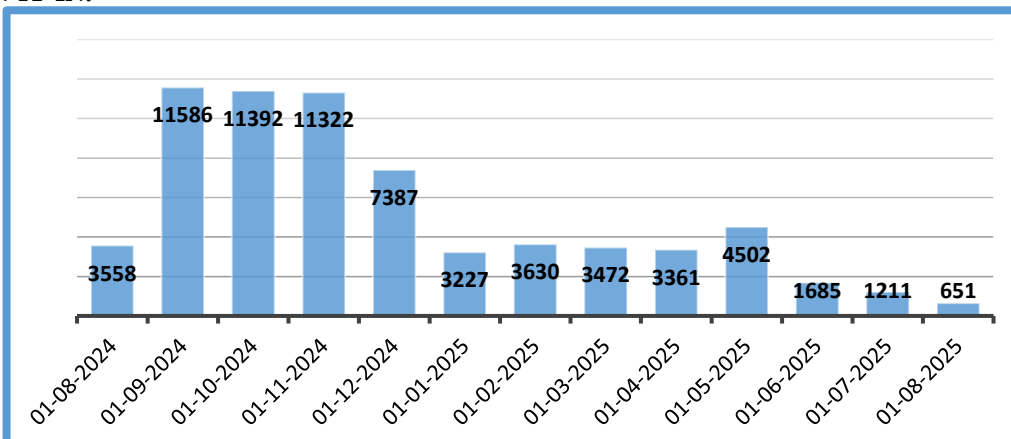
KNIMBUS:



GRAMMARLY:



TURN-IT-IN:





3. DETAILED EXPENDITURE FOR THE LAST 4 YEARS:

Description of items	Year			
	2021-22	2022-23	2023-24	2024-25
Books	38,50,121.00	8,58,643.00	30,71,755.00	43,04,664.50
e-Books	0.00	0.00	58,93,923.00	14611912.5
Online Database/ e-Journals	4,30,45,621.00	4,02,73,361.00 + 46,35,871.00 (Payment made in 2023-24 for resources of 2022-23)	5,12,37,717.60	10660803.21 + 8954400.00 (1 Elsevier Backfile)
Printed Journals/ Magazine	0.00	2,07,932.00	2,04,869.00	0.00

4. LIBRARY SERVICES:

➤ Member Registration

Member registration is made possible by filling a google The membership card shall remain valid for the period indicated on ID Card. The students, faculty and staff members can get their membership card renewed on surrendering all borrowers' cards issued to them and after settling all other dues. The loss of membership card should be reported in written to the Librarian immediately. Duplicate membership card can be issued after getting Police Entry Report and paying the penalty fee of Rs. 100.00. Library members are responsible for any loss or misuse of their membership card.

Present Student Member:		
Programme	Year	Total No. of Students
B.Tech	2022	901
	2023	919
	2024	935
M.Tech	2024	214
M.Sc	2024	59
MBA	2024	47
Ph.D.	2019 - 2021	570
	2022	68
	2023	88
	2024	146
	2025	54
Total Students		4001

Present Faculty & Staff Member:	
Programme	Total No. of Staff
Non-Teaching Staff	99
Contractual Staff	69
Faculty Member	238
Total Faculty & Staff Member	406

➤ Ask the Librarian:

Users are encouraged to contact the Library staff via email at mail to: **library@nits.ac.in** or **nits.library@gmail.com** if they have a query. We will reply usually within 24 hours. If the question involves in-depth research assistance, the user is encouraged to speak to Asst. Librarian.



➤ Circulation service

The book circulation service is kept open for 9.30 AM to 5.30 PM on weekdays. The Library issued 26550+ numbers of books during the year 2023-24.

1 st April 2024 - 31st March 2025											
April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	March
102	1	10	331	5187	1384	225	118	18	4467	701	93

➤ Reference Section

Reference books like dictionaries encyclopaedias, handbooks, manuals etc. and bound volume of back issues of journals are arranged subject wise. In addition to that Library members can also refer the online e-resources like e-Journals/ databases, e-books, ProQuest Dissertation and Theses.

➤ Resource Sharing

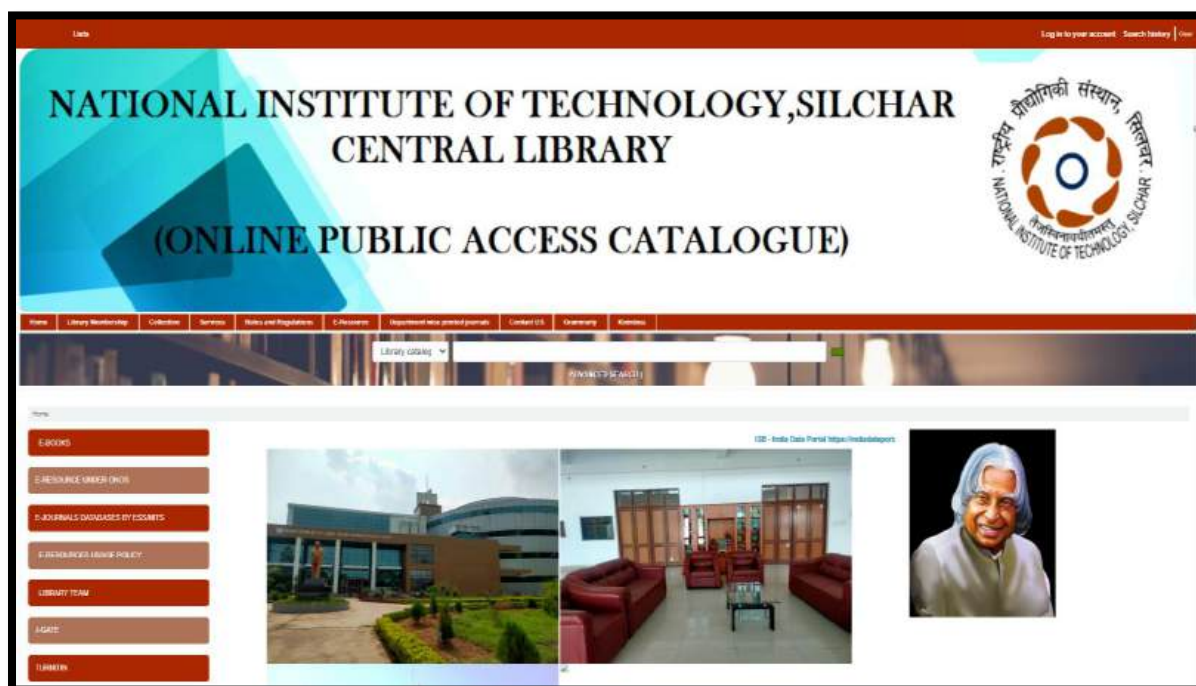
The library maintains excellent relations with libraries like the Central Library of Assam University, and other local college libraries in Southern Assam for the exchange of books, journals, photocopies, etc for the mutual benefit of the users. Library provides resource sharing service through inter-library loan and document delivery services. The library has a core membership of ONOS.

➤ Book Bank facilities

The library maintains a book bank facility to help students belonging to Scheduled Castes, Scheduled Tribes, Physically Challenged, and Other Backward Classes (OBC) and also Foreign Students'. The book bank mainly consists of the prescribed textbooks for undergraduate courses and loans up to books each to these students for a full semester and sometimes more depending on availability.

➤ Web OPAC (Online Public Access Catalogue)

The library users' can search the entire Library collections i.e. E-reources (e-books and journals/databases), print books, print journals, bibliographic details of thesis and dissertations and CDs, etc. through the library of institute website.



5. LIBRARY ORIENTATION & TRAINING

The library has taken key initiatives for the ‘user’s education programme’ to inform, educate, and train library users’ about various resources and services of the library. In addition to that library organizes orientation programmes for the benefit of library users.

Workshop for Master and Doctoral students:

“From Discovery to Publication: Enhancing Research with ScienceDirect & SD-AI”

Date: 27/08/2025 @4.00PM

Place: Central Library Auditorium Hall.

Part I – Research Landscape of NIT Silchar (10 min)

Part II – ScienceDirect & SD AI (60 mins).



6. LIBRARY EVENT:

The Central Library proudly hosts a vibrant calendar of cultural and academic events every year, celebrating knowledge, learning, and tradition. Such occasions include the auspicious **Saraswati Puja**, honouring the goddess of wisdom; **Librarians’ Day**, dedicated to recognizing the invaluable contributions of library professionals; and **World Environment Day**, promoting the sustainable environment and care for nature. In addition to these flagship programs, the library regularly organizes a variety of seminars, exhibitions, and special events, transforming the Central Library into a dynamic hub of intellectual and cultural engagement throughout the year.





Highly Costed Printed Books:

Sl. No.	Acc. No.	Author	Title	Price
1	122775	Kotler, Philip	B2B brand management	₹ 4,669.06
2	122776	Dixon, John	Brand management	₹ 13454.00
3	122777	Garavan, Thomas	Handbook of International human resource development	₹ 20364.30
4	122918	Gouma, Pelagia-Irene	Nanomaterials for chemical sensors and biotechnology	₹ 6887.00
5	122919	Schmid, Gunter	Nanoparticles	₹ 11395.00
6	122930	Mermoud, Gregory	Stochastic reactive distributed robotic system	₹ 5635.00
7	122956	Xi, Ning; Li, Guangyong	Introduction to nanorobotic manipulation and assembly	₹ 7307.00
8	122969	Rathakrishnan, Ethirajan	Elements of heat transfer	₹ 5728.00
9	123004	Yang, Jiashi	An introduction to the theory of piezoelectricity	₹ 7928.00
10	123005	Rose, Joseph L.	Ultrasonic guided waves in solid media	₹ 4942.00
11	123007	Achenbach, J.D.	Wave propagation in elastic solids	₹ 6742.15
12	123008	Ewing, W. Maurice	Elastic waves in layered media	₹ 3122.65
13	123011	Cook, Gerald	Mobile robots, navigation, control & remote sensing	₹ 5187.00
14	123013	Jain, Pramod	Wind energy engineering	₹ 5187.00
15	123015	Jamieson, Peter	Innovation in wind turbine design	₹ 5449.00
16	123018	Lemos, João M.	Adaptive control of solar energy collector system	₹ 9140.00
17	123023	Balasubramanian, P.	How to make money through energy auditing, vol-I	₹ 5000.00
18	123024	Balasubramanian, P.	How to make money through energy auditing, vol-2	₹ 5000.00
19	123036	Association of Indian Universities	Universities handbook, vol.-2	₹ 8000.00
20	123037	Association of Indian Universities	Universities handbook, vol.-1	₹ 8000.00
21	123096	Solunke, Abhay B.	Indian higher education code	₹ 2460.00
22	123467	Postolache, Octavian Advian	Sensors in the age of the internet of things: technologies and applications	₹ 13452.00
23	123468	Ida, Nathan	Sensors, actuators and their interfaces a multidisciplinary introduction	₹ 16254.00
24	123481	Mao'an Han	Bifurcation theory of limit cycles	₹ 7281.00



25	123720	Maurice Willis	Electrical systems engineering	₹ 13260.00
26	123737	Greaves, George	Sieves in number theory	₹ 13949.00
27	123739	Kulkarni, Sanjeev; Harman, Gilbert	An elementary introduction to statistical learning theory	₹ 11576.00
28	123740	Washington, Simon P.; Karlaftis, Matthew G.	Statistical and econometric methods for transportation data analysis	₹ 7846.00
29	123741	Morris, Max D.	Design of experiments: an introduction based on linear models	₹ 6725.00
30	123742	3G E-learning	3G E-collection on mathematics: fuzzy mathematics	₹ 14144.00
31	123743	Ferenci, K.	Applied mathematics for engineers	₹ 14144.00
32	123744	Tijms, Henk	Basic probability	₹ 5127.00
33	123745	Houston, Kevin	Algebra	₹ 12906.00
34	123746	Grattan, Lawrence	Computational mathematics	₹ 13702.00
35	123747	Lincoln, Lucas	Computational mathematics	₹ 13525.00
36	123748	Josephson, Anna; Michler Jeffrey D.	Research ethics in applied economics	₹ 4483.00
37	123749	Goswami, Binoy	Indian architecture after the green revolution changes and challenges	₹ 14573.00
38	123750	Mishra, Shashikant	Culture and arts	₹ 2550.00
39	123752	Thomas, Bronwen	Literature and social media	₹ 4034.48
40	123753	Nicholls, Peter	Modernisms, a literature guide	₹ 3810.00
41	123754	Hoda, Badrul	Technical english technical report writing and presentation	₹ 2550.00
42	123755	Cobb, Matthew Adam	Indian ocean trade in antiquity, political cultural and economic impacts	₹ 13452.00
43	123757	Schneider, Geoffrey	Microeconomic principles and problems	₹ 6389.00
44	123758	Gevorkyan, Aleksandr V.	Transition economics	₹ 4483.00
45	123759	Verma, Chandrabhan	Activated Carbon ; progress & application	₹ 16702.90
46	123760	Bulkowska,Katarzyna	Biomass for Biofuels	₹ 12891.50
47	123761	Murthy,Granti S	Green - Economy : analysis for sustainability	₹ 20332.00
48	123762	Behari , Jitendra	Waste to Energy	₹ 2195.00
49	123765	Gopi, E.S	Digital Signal Processing for wireless communication using Matlab	₹ 9299.07
50	123766	Sinha,Savita	Comprehensive Engineering Chemistry	₹ 2495.00



51	123768	Ostafin Agnes	Nanoreactor Engineering for Life Sciences & Medicine	₹ 12555.20
52	123769	Mrzljak,Greta,Pifot	Supramolecular structure & function	₹ 11159.07
53	123770	B G E -learning LLC	Employee relation Management	₹ 7956.00
54	123771	Pathak,Rekha	Human Resource Management	₹ 10089.00
55	123773	Jain,Surbhi	Performance & Compensation management	₹ 13702.00
56	123780	Hill,Bread	Biogas : Technology & Principles	₹ 14144.00
57	123781	George,L K	Internal Combustion Engines : Modeling & Control	₹ 14144.00
58	123782	Ptacek,Peter	Hydrogen Materials science & Chemistry of Carbon	₹ 12331.00
59	123798	Smirnov,Boris M.	Phase Transtions of Simple systems	₹ 13949.00
60	123799	Swanson,D.G	Quantum Machines	₹ 7979.00
61	123800	Altomare,Fabio	One dimensional superconductivity in naroweres	₹ 11346.00
62	123802	Zhang, Zhuomin M.	Nano /microscale heat transfer	₹ 17679.00
63	123847	Schwarzen bach, Rene P.	Environmental Organic chemistry	₹ 14581.58
64	123863	Russel, Marc R.	Life scientists guide to physical chemistry	₹ 8793.16
65	123865	Hartman ,Brook	Physical Chemistry	₹ 16815.00
66	123936	Thakur ,Vijay Kumar	Nanotechnology in polymers	₹ 5533.00
67	123937	Gupta,V.K	Comprehensive bioactive natural products	₹ 8398.00
68	123938	Choudhury N.L.	Fundamentals of Organic Chemistry	₹ 2500.00
69	123939	Ferry,M.H	Handbook of polymer science & technology	₹ 4195.00
70	123940	Mosier,Nathan	Modern Biotechnology	₹ 12725.18
71	123951	Skogestad,Sigurd	Chemical and energy process engineering	₹ 7867.00
72	123952	Gupta,V.R	Comprehensive bioactive natural products : potential & challenges	₹ 8398.00
73	123963	Jorio,Ado	Raman spectroscopy in graphone related system	₹ 13702.00
74	123964	Gupta V.K	Comprehensive Bio-Active Natural products extraction isolation and characterization	8398
75	123432-123441	Bhalla, Veena	Handbook of National Education Policy 2020 transforming & implentation framework 2023-24	₹ 30000.00 (Set Price)
76	123963	Jorio, Ado	Raman spectroscopy in graphene related systems	13702.00
77	123964	Gupta V. K.	Comprehensive bioactive natural products Vol. 6	8398.00



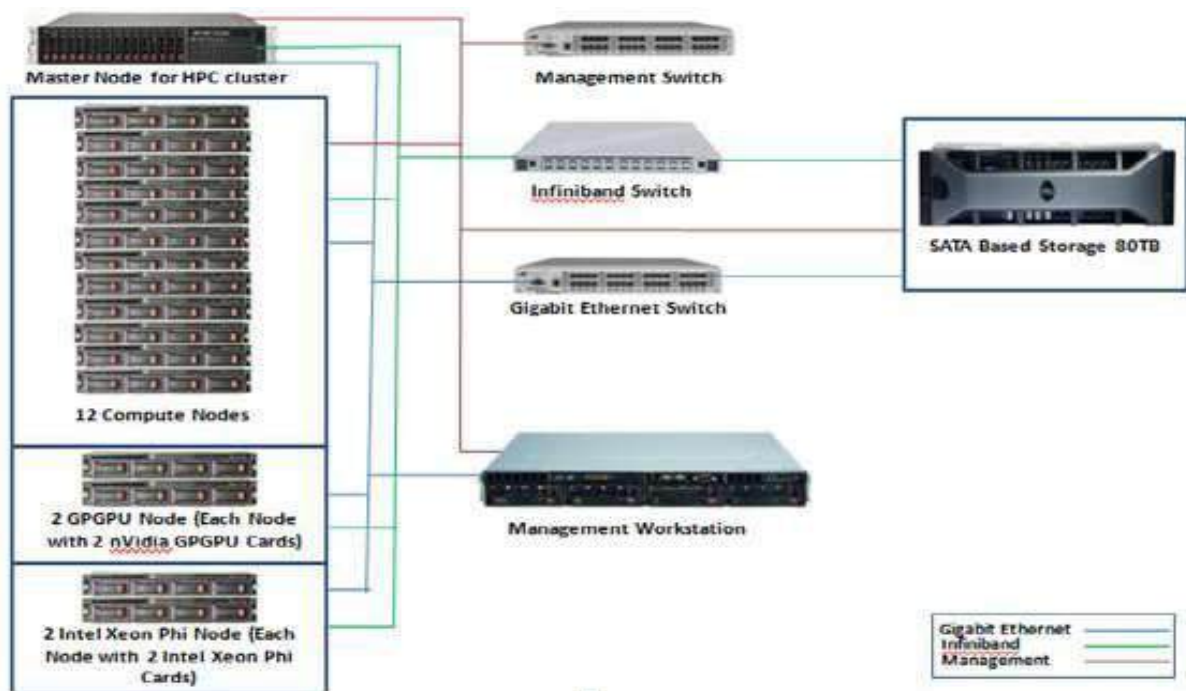
78	123965		Handbook of Fuels	14319.91
79	123980		Advances in economics and econometrics	11600.10
80	124064		Mechatronic and robotic systems	13878.80
81	124099	Ashby, Michael F.	Aircraft systems	8835.58
82	124112	Ashby, Michael F.	Continuous and distributed systems	9299.07
83	124176	Groysman, Alec	Corrosion in systems for storage and transportation of petroleum products and biofuels	13949.07
84	124182		Machine learning for vision-based motion analysis	13949.07
85	124354		Modeling and simulation For collective dynamics	7779.20
86	124363	Knoch, Joachim	Nanoelectronics	7900.35
87	124364		Nobel lectures in physics 2016-2020	13967.20
88	124366	Chua, Chee Kai	3d printing and additive manufacturing of electronics	5127.20
89	124367	Mohamad, Abdulmajeed A.	Numerical methods for engineers	8663.20
90	124368	Chua, C K	Rapid prototyping	6099.60
91	124369		Mechanics of cells and tissues in diseases (Vol I)	8830.35
92	124372	Yang, Jiashi	Theory of electromagnetoelasticity	7779.20
93	125159	Ekananyake, Janaka	Smart grid	11929.58
94	125419		Wideband wireless digital communications	8835.58
95	125487	Edwards, C. Henry	Differential equations and linear algebra	11929.58
96	125512	Tan, Li	Digital signal processing	10608.00
97	125554	Wan, K. Kong	Quantum mechanics	4266.27
98	125652		Wafer fabrication	14441.35
99	125654	Imteaz, Monzur Alam	Urban water resources	18364.50
100	126440		Power electronics for electric vehicles and energy storage	15025.00
101	126875	Courant, Richard	Introduction to calculus and analysis	5153.00

SUPERCOMPUTING CENTRE

NITS Supercomputing Centre: The High Performance Computing (HPC) facility was established on 5th April 2014 at NIT Silchar with capacity building collaboration with C-DAC Pune. The facility includes HPC cluster consisting of the following accessories - i) Master Node - 1 unit, ii) Compute Node- 12, iii) Compute Node with Intel Xeon Phi - 2 units, iv) ComputeNode with Nvidia Kepler GPU – units, along with primary and secondary communication network and SATA based storage as well as Job schedule. Currently the institute is in the process of upgrading the computing facility to meet the demand of more advanced computing performance requirements of the institute.



Architecture of NITS Supercomputer





INSTITUTE INNOVATION CELL

IIC, NIT Silchar

During the reporting period, the Institution's Innovation Council (IIC) at NIT Silchar demonstrated a robust commitment to fostering innovation, earning a prestigious 4-STAR rating from the Ministry of Education's Innovation Cell. The institute successfully expanded its collaborative footprint through strategic networks established with Theta Labs, TIH IIT Guwahati, and MSME, alongside a project linkage with IIITDM Kancheepuram. During last year institute has able to file/grant more than 50 patents and number of innovation and research projects have increased substantially.

Innovation & Entrepreneurship Activities

The year was characterized by massive student engagement. Key events included Srijan (Annual Entrepreneurship Summit with 5,000+ participants) and NITS HACKS (National Hackathon with 2,000+ participants). The institute conducted a total of 40 innovation-related activities throughout the year, detailed below:

Sr. No.	Particulars of Activity	Numbers
1	Workshops, Webinars, Invited Talks, and Outreach Activities	35
2	Hackathons (Institute level & Outstation participation)	2
3	Idea Pitching Competitions Organized	2
4	Other activity	1
Total	Total Activities Conducted	40



Resource Strength & Infrastructure

To support these activities, the institute maintains substantial resources:

Human Capital	Physical Infrastructure
59 IIC Members	Incubation Unit: NITS-Foundation for Innovation, Incubation and Entrepreneurship (Section 8 Company)
39 Faculty Mentors	Start-up Centre: 01
21 Innovation Ambassadors	Pre-Incubation & IP Units: 01 Unit each

Notable Achievements & Impact

The efficacy of this ecosystem is evident in the institute's recent national accolades:

- **National Wins:** Winner of **SIH-2024** (Ignition Grant received) and **Adobe Hackathon-2025**.
- **Commercial Success:** **Asup LLP**, an incubatee at the startup centre, reported transactions in the scale of **INR 6–7 Crores** during the current financial year.
- **Capacity Building:** Secured the "Capacity Building on Design and Entrepreneurship" project from MoE, GOI.
- **India Mobile Congress-25:** Innovation Award in IMC 25 for developing drone-based agriculture solution using 5G network.

Hindi Cell



नं	नाम	कब से	कब तक
01.	श्री हरिनारायण वर्मा	01-11-2011	29-01-2016
02.	डॉ. प्रशान्त कुमार तिवारी	29-01-2016	13-08-2019
03.	डॉ. बादल सोनी	13-08-2019	04-11-2022
04.	डॉ. सौरभ वर्मा	04-11-2022	

1. HEAD/ FACULTY IN-CHARGE:

Dr. Saurabh Verma, Assistant Professor and Faculty in Charge (FIC) Hindi Cell

2. HINDI CELL: AN OVERVIEW

With a view to ensuring compliance of the constitutional and legal provisions regarding official language and to promote the use of Hindi for the official purposes of the Institute, The Hindi Cell of National Institute of Technology Silchar came into existence with effect from 1st November 2011. The Hindi Cell follows the guidelines and the directives laid down by the Department of Official Language, Ministry of Home Affairs, Government of India.

The Hindi Cell (Rajbhasha Vibhaag) plays a crucial role in promoting the use and development of the Hindi as an official language within the administrative contexts. It encourages the use of Hindi as a medium of instruction and communication, supporting its growth in various fields. It provides translation and interpretation services, ensuring that essential documents and research are accessible in the official language. It conducts campaigns to raise awareness about the importance of Hindi, promoting its use in everyday communication and within educational contexts. It also collaborates with various educational and cultural institutions to promote Hindi initiatives, fostering a broader network of support for the language. Hindi Cell used to organize workshops and training sessions to improve Hindi proficiency among staff and students, promoting effective official communications. Overall, the Hindi Cell plays a vital role in not just promoting the language but also in fostering an inclusive and culturally rich academic environment.



The Hindi Cell of NIT Silchar serves as the head of the Town Official Language Implementation Committee (TOLIC) since 2013, with NIT Silchar taking a leading role in this initiative. The Town Official Language Implementation Committee (TOLIC) under the headship of NIT Silchar is playing a remarkable role in promoting the use of Hindi and other regional languages in town administration.

3. DEPARTMENT OFFICIAL LANGUAGE IMPLEMENTATION COMMITTEE (DOLIC):

The Department Official Language Implementation Committee known as DOLIC came into existence in the Year 2012. The main aim of this committee is to look after the progress made towards the adoption of Hindi Official Language in the routine official works of the institute.

Sr. No.	Name of the Officials	Designation
1	Prof. Dilip Kumar Baidya	Chairman
2	Dr. Saurabh Verma	Secretary
3	Registrar	Member
4	All Deans	Member
5	All Head of the Departments	Member
6	All Branch Heads	Member
7	Chairman, Central Library	Member

4. HINDI WORKING COMMITTEE:

The Hindi working committee has been constituted under the Department Official Language Implementation Committee (DOLIC) of the institute to ensure the effective implementation of Hindi as an official language in administrative and academic settings. The Hindi working committee constitutes with the following members:

Sr. No.	Name of the Officials	Designation
1	Prof. Dilip Kumar Baidya	Chairman
2	Dr. Saurabh Verma, DoMS	Secretary
3	Dr. Arun Kumar, ECE	Member
4	Dr. Yogesh Singh, ME	Member
5	Dr. Ambarish Devanshu, EE	Member
6	Dr. Shivendra Kumar Pandey, E&I	Member
7	Dr. Vipin Chandra Pal, E&I	Member
8	Dr. Nitesh Ahir, CE	Member



9	Dr. Badal Soni, CSE	Member
10	Dr. P.K. Gupta, Maths	Member
11	Dr. Biswa Nath Ghosh, Chemistry	Member
12	Dr. Pankaj Chaturvedi, Physics	Member
13	Mr. Rajib Kahar, Academics	Member
14	Mr. Kumar Mithilesh, CCC	Member
15	Mr. Niharendu Dhar, Accounts	Member
16	Mr. Pulak Nath, Establishment	Member
17	Mr. Subhradeep Dhar, Purchase	Member

5. FACILITIES PROVIDED BY THE HINDI CELL:

The Hindi Cell of the institute typically provides various facilities to promote the use and development of the Hindi language. Here are some common facilities offered:

- Language Training Programs:** Workshops and courses to enhance proficiency in Hindi for staff and students, focusing on speaking, writing, and comprehension skills.
- Translation Services:** Assistance in translating official documents such as Institute Annual Report, Thesis Titles, Research papers, and other materials into official language Hindi.
- Resource Materials:** Provision of Sogn boards, dictionaries, glossaries, style guides, and other educational resources to support the proper use of Hindi.
- Cultural Activities:** Organization of events such as ‘Manthan’ yearly Hindi program of the institute celebrated on the occasion of Hindi Diwas, competitions, and seminars that celebrate Hindi literature, culture, and heritage, fostering a vibrant language community.
- Support for Research:** Assistance for students and faculty in conducting research related to Hindi literature, linguistics, and other relevant fields.
- Technical Support:** Provision of software and tools that facilitate the use of Hindi in digital formats, including word processing and online communication.
- Networking Opportunities:** Facilitation of connections with other Hindi institutions, scholars, and organizations for collaboration and knowledge sharing.
- Feedback Mechanism:** Establishment of channels for receiving feedback and suggestions regarding Hindi language initiatives, helping to adapt and improve services.

These facilities collectively contribute to creating an environment that encourages the use and appreciation of the Hindi language within the institute.

Glimpses of the celebration of Hindi Diwas

Hindi Diwas ‘*Manthan*’ is celebrated every year in the Institute with full Zest and Jeal. It commemorates the adoption of Hindi as the official languages of India in 1949, promoting its status and importance in the country. The day highlights the rich literary and cultural heritage of Hindi, fostering appreciation for its literature, poetry, and traditions. Various events, workshops, and competitions organized on this day

raise awareness about the importance of the Hindi language, its history, and its role in national identity. A number of Faculty Members, Administrative officers, Staff members and the students of the Institute have actively participated in the various programs organised on the eve of Hindi Diwas such as Hindi Essay Writing Competition, Poetry, Quiz Competition and many others. The glimpses of *Manthan 2024* are as follows:





A **One-day workshop** on “**Official Language Hindi Training and Workshop**” was successfully organized on 18 January 2025 by the Hindi Cell of NIT Silchar. The objective of this workshop was to promote the usage of Hindi in official communication and to familiarize newly appointed staff with the rules and importance of the Official Language Policy of the Government of India. Around 100 newly joined non-teaching officials of NIT Silchar actively took part in the workshop. The participants represented various administrative sections and departments of the institute.

Key Objectives of the Workshop

- To develop proficiency in using Hindi for day-to-day official work
- To create awareness about the Official Language Act and related rules
- To encourage correct drafting, noting, and correspondence in Hindi
- To strengthen the implementation of Rajbhasha in institutional functioning

The training workshop was highly beneficial and well-received by all participants. The Hindi Cell of NIT Silchar reiterated its commitment to promoting Hindi as the Official Language in administrative functioning and assured continuous support through future training sessions and reference resources. The glimpses of Official Language Hindi Training and Workshop are as follows:





Glimpses of the various meetings of TOLIC (Town Official Language Implementation Committee) conducted by the Hindi Cell of NIT Silchar

The Town Official Language Implementation Committee (TOLIC) meetings conducted by the Hindi Cell of NIT Silchar typically involve several key activities and discussions aimed at promoting the use of Hindi in official settings. Here are some glimpses of what these meetings might entail:

- i. **Agenda Setting:** Discussion of the agenda for the meeting, including reviewing previous minutes and setting goals for the promotion of Hindi in local governance.
- ii. **Updates and Progress Reports:** Presentations on the progress made in implementing Hindi as an official language in various departments and organizations within the region.
- iii. **Challenges and Solutions:** Identification of challenges faced in promoting Hindi, such as resistance or lack of resources, along with brainstorming potential solutions.
- iv. **Workshops and Training Programs:** Planning and organizing workshops to train officials and employees in using Hindi for official communication, documentation, and correspondence.
- v. **Public Awareness Campaigns:** Discussion on strategies for conducting awareness campaigns to encourage the use of Official Language Hindi in the community, including schools and local businesses.

Glimpses of TOLIC Meetings at NIT Silchar:





STUDENTS' ACTIVITIES

Students' activities come under the purview of the Dean (SW). The office of the Dean (SW) consists of the following members:

DEAN (SW)		
<i>Name</i>	<i>Qualification (e.g., B.Tech, M.Tech., Ph.D.)</i>	<i>Period</i>
Prof. Siddhartha S Dhar	Ph.D.	01/01/ 2024 onwards
ASSOCIATE Deans (SW)		
<i>Name</i>	<i>Qualification (e.g., B.Tech. M.Tech., Ph.D.)</i>	<i>Period</i>
Dr. Malaya Dutta Borah	PhD	30/11/2022 till 12.12.2024
Dr. Biplab Das	PhD	28/12/2022 till 06.01.2025
Dr. T.R.Lenka	PhD	20/01/2023 onwards
Dr. Debjit Bhowmik	PhD	21.09.2024 onwards
Dr. Suganya Devi K	PhD	13.12.2024 onwards
Dr. Ranjay Hazra	PhD	07.01.2025 onwards
Dr. MLV Prasad	PhD	15.01.2025 onwards

Scholarship / Assistantship Awarded to the students during 2024-2025:

The students of this Institute are awarded various types of scholarships from various schemes of the Central Government, State Governments, PSUs, Charitable Trusts/ Organizations. During this period, no. of students received scholarship/stipend from various sources.

SCHOLARSHIP DATA FOR THE YEAR 2024-2025					
Sl. No.	Name of the Scholarship	Awarding Authority	No. of student beneficiary	Amount of scholarships sanctioned	Remarks
1.	Central Sector Scholarship of Top Class Education Scheme for SC Students	Ministry of Social Justice & Empowerment	51	---	From the year 2021-2022, the Scholarship amount is directly transferred to the beneficiary's account through DBT mode



2.	National Fellowship and Scholarship for Higher Education of ST Students - Scholarship (Formally Top Class Education for Schedule Tribe Students) - only for scholarships	Ministry of Tribal Affairs	130	---	This amount was sanctioned & credited to the Institute's scholarship account in favour of the beneficiaries. The rest of the amount was directly transferred to the beneficiary's account through the DBT mode
3.	Central sector scheme of scholarships for college and university students	Department of Higher Education	30	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
4.	Scholarship for top-class education for students with disabilities	Department of Empowerment of Persons with Disabilities	11	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
5	Post-matric scholarship for students with disabilities	Department of Empowerment of Persons with Disabilities	8	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
6	Merit-cum-means scholarship for professional and technical courses CS	Ministry of Minority Affairs	0	----	Scholarship amount directly transferred to the beneficiary's account through DBT mode
7	Umbrella scheme for education of ST children -post matric scholarship (PMS) for ST students of Arunachal Pradesh	A Centrally Sponsored Scheme implemented by the State Governments and Union Territory Administrations	13	----	Scholarship amount directly transferred to the beneficiary's account through DBT mode
8	Post-matric scholarship for SC students in Tripura	Ministry of Social Justice & Empowerment (Tripura)	0	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
9	Govt. of Telangana	District Tribal Welfare Office	0	---	
10	Swami Dayanand Merit-cum-Means Scholarships to students pursuing professional courses in India	Swami Dayanand Education Foundation	0	---	Data not shared by the awarding authority



11	Mukhya Mantri Medhavi Vidhyarthi Yojna [MMVY], Madhya Pradesh	Govt. of Madhya Pradesh	4	---	
12	Prime minister's scholarship scheme for central armed police Forces and Assam rifles	Ministry of Home Affairs, GOI	12	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
13	Post Matric Scholarship For SC Students - Assam	Ministry of SJE. Govt. of Assam	6	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
14	PG scholarship scheme for SC/ ST students for pursuing Professional courses	University of Grants Commission (UGC)	12	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
15	Centrally sponsored scheme of post-matric scholarship for St students-Ladakh	Ministry of Tribal Affairs Government of India	1	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
16	Umbrella scheme for the education of ST children - post-matric Scholarship (PMS) for ST students of Tripura	Ministry of Tribal Affairs Government of Tripura	1	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
17	Rajasthan State Scholarship	Government of Rajasthan Social Justice and Empowerment Department	0	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
18	Siemens Scholarship Program - Empowering The Future	Siemens Limited	10	---	
19	Centrally sponsored post matric scholarship for SC Students- Manipur	Ministry of SJE, Govt. of Manipur	1	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
20	ONGC Scholarship	ONGC	Data not shared by the awarding authority	---	Data not shared by the awarding authority
21	FAEA		2	---	Data not shared by the awarding authority



22	Medhavriti Scholarship- Odisha		Data not shared by the awarding authority.	---	
23	ISHAN UDAY	UGC	134	---	Scholarship amount directly transferred to the beneficiary's account through DBT mode
24	M.TECH. ASSISTANTSHIP (GATE)	MOE, GOVT. OF INDIA	127	12400/-PM	
25	Financial Support To The Students of NER For Higher Professional Courses(NEC Merit Scholarship)	North Eastern Council(NEC),Do NER	54	---	
26	Post Matric Scholarship To OBC Students - Assam	State Scheme Assam	45	---	
27	Prime Minister's Scholarship Scheme For the Ministry Of Railways	Ministry of Railway	1	---	
28	PM Yasasvi Central Sector Scheme Of Top Class Education In College For OBC, EBC, and DNT Students	Department of Social Justice & Empowerment (Backward Classes)	191	---	
29	Infosys Foundation Stem Star Scholarship		Data not shared by the awarding authority	---	
30	Engineers India Limited (EIL) Scholarship		Data not shared by the awarding authority	---	



31	Winnie Sun Scholarship (Lotus Patel)	Lotus Petal Charitable Foundation,	01	32,600.00	This amount was sanctioned & credited to the Institute's scholarship account in favour of the beneficiaries and disbursed accordingly
32	National Talent Search Scheme	NCERT	Data not shared by the awarding authority	---	
33	Sitaram Jindal Foundation	Itself is the awarding authority	4	---	
34	IDFC First Bank		9	---	This amount was sanctioned & credited to the Institute's scholarship account in favour of the beneficiaries and disbursed accordingly
35	Vahani	Vahani Scholarship Trust	1	11000.00	This amount was sanctioned & credited to the Institute's scholarship account in favour of the beneficiaries and disbursed accordingly
36	Siemens Scholarship	Siemens Limited	10	---	
37	Lotus Patel Foundation	Itself is the awarding authority	1	32600.00	This amount was sanctioned & credited to the Institute's scholarship account in favour of the beneficiaries and disbursed accordingly
38	Epiroc Scholarship	Epiroc Charitable Foundation, under a CSR initiative called the Vidya Sahayog Program	9	---	
39	Mirae Asset Foundation		1	---	
40	Bharti Airtel Foundation		5	---	
41	Kotak Suraksha		1	---	



42	Reliance Foundation		Data not shared by the awarding authority	---	Data not shared by the awarding authority
43	Bihar Post Matric Scholarship	Ministry of Social Justice and Empowerment and the Ministry of Tribal Affairs	1	---	This amount was sanctioned & credited to the Institute's scholarship account in favour of the beneficiaries and disbursed accordingly
44	Metro Waste Handling Pvt. Ltd.			---	Data not shared by the awarding authority
No. of students =			887		

Apart from the aforesaid Scholarships, there are many scholarship schemes which follow the DBT System under which the students directly benefit through a scholarship amount.

Moreover, many parents (guardians) of our students also avail reimbursement of educational expenditure from their employers like BSNL, Railways, & other Govt. / PSUs on our recommendations.

Assistantships (Ph.D): Students admitted to the Ph.D programmes in the institute are awarded an Assistantship as per the norms of the GOI and the Institute. To be eligible for this Assistantship, a student must be a regular non-sponsored student. Moreover, there are many more government-sponsored fellowships that are being awarded based on their guidelines.

The data for those fellowships are as follows:

DOCTORAL FELLOWSHIP DATA FOR THE YEAR 2024-25 (APART FROM DOCTORAL FELLOWSHIP AWARDED BY THE INSTITUTE TO THE GROUP A REGULAR SCHOLARS)					
Sl. No.	Name of the Scholarship	Awarding Authority	No. of student beneficiaries	Amount of scholarships sanctioned	Remarks
1	CSIR	CSIR-HRDG	3	42000/- Per month per student	Fellowship amount directly transferred to the beneficiary's account through DBT mode
2.	NET-JRF	UGC	1	42000/- Per month per student	Fellowship amount directly transferred to the beneficiary's account through DBT mode
3.	Savitribai Jyotirao Phule Fellowship for Single Girl Child (SJSGC)	UGC	3	42000/- Per month per student	Fellowship amount directly transferred to the beneficiary's account through DBT mode
4.	National Fellowship for Higher Education of ST Students (NFST)	Ministry of Tribal Affairs Government of India	3	42000/- Per month per student	Fellowship amount directly transferred to the beneficiary's account through DBT mode
No. of students :-			10		



Railway concession service is also provided to students of NIT Silchar from the Dean (SW) Office.

Information regarding the students' activities under the Office of the Dean (SW) during the 2024-25 Session:

Sl. No.	Event Name	Date
1	Oikyotaan This Fest was a vibrant regional cultural celebration that welcomed the arrival of spring. The festivities kicked off with a colourful cultural rally that filled the campus with energy and enthusiasm. As the day progressed, the excitement reached a crescendo with a dazzling cultural night held at the sports complex. The night featured a mesmerising showcase of traditional dances, captivating musical performances, and enthralling cultural displays from various regions.	14th April, 2024
2	Rongali Bihu The NIT Silchar campus was transformed into a vibrant celebration of Assamese culture as the institute hosted Bohag Bihu, a major spring festival in the region. Held at the institute's football ground, the festivities featured a delightful array of traditional activities, delicious Assamese cuisine, and plenty of fun for all. The event showcased the unique cultural heritage of Assam, with participants dressed in colourful traditional attire. The air was filled with the sounds of traditional Assamese music and dance performances, creating a festive and joyous atmosphere. Visitors had the opportunity to savour authentic Assamese delicacies, such as xamoor, pitha, and jilapi, while enjoying the lively and energetic ambience.	14 th April, 2024
3	World Earth Day World Earth Day at NIT Silchar was observed by NITS ECO Club with great enthusiasm, emphasising the importance of environmental awareness and with a plantation drive for the outgoing batch of 2024.	22nd-24th April, 2024
4	World Environment Day (Prokriti 3.0) To commemorate World Environment Day, the Eco Club, NIT Silchar community, organised a series of events aimed at promoting environmental awareness and sustainable practices.	25 th May – 9 th June, 2024
4	International Yoga Day This event was hosted in the SAC building, where the entire NIT Silchar fraternity joined together to perform yoga and pledge towards a healthy life	21 st June, 2024
5	International day against drug abuse and illicit trafficking Coordinated by the Eco Club, with various impactful events aimed at spreading awareness and educating the community about the ill effects of consuming drug substances and the importance of preventing illicit trafficking.	12 th August, 2024
6	Independence Day The 77 th Independence Day was celebrated in a span of 3 days with various parades by different hostels and other cultural performances by students. The children of KV, NIT Silchar also participated in this event.	15 th August, 2024



7	Cyclathon 4.0 Marwari Yuva Manch successfully organised an energetic and inspiring Cyclathon 4.0 in Silchar, with valuable support from the NIT Administration and the District Sports Association. The event aimed to promote fitness, eco-friendly transportation, and community bonding among the youth and residents of the region.	25 th August, 2024
8	Inter Hostel Sports Week The Inter Hostel Sports Week brought together students from all hostels for a vibrant display of energy, teamwork, and competitive spirit. The week-long event featured multiple sports and games, encouraging participation, fitness, and unity among students.	28th-30th August, 2024
9	Shankerdev tithi Shankardev Tithi was celebrated with devotion and cultural pride at the Food Court, bringing together students and staff to honour the legacy of Srimanta Shankardev. The event highlighted his teachings of unity, spirituality, and cultural enrichment.	4 th September, 2023
10	Ganesh Chaturthi Ganesh Chaturthi was celebrated for two days in the SAC Building with great enthusiasm. The first day included the installation of Lord Ganesha's idol and traditional puja rituals. On the second day, a vibrant cultural event was organised, led mainly by the South Indian community, featuring music, dance, and devotional performances. The celebration brought students together and created a joyful, festive atmosphere.	7 th September, 2024
11	Birth anniversary of Bhupen Hazarika This musical evening was celebrated in the Food Court with many melodies that filled the day	8 th September, 2024
12	Freshers cum Orientation - SwagAtam The ultimate orientation event of Aaveg, the dance club of NIT Silchar, which was organised to introduce the club and its structure to the newly joined batch of '27	11 th September, 2024
13	Aavahan by Dance club, AAVEG Avaahan was a lively flash mob organised by Aaveg to welcome the Batch of '27 and introduce them to the vibrant dance culture of NIT Silchar.	12 th September, 2024
14	Hindi Divas To celebrate the language Hindi, the Literary Publications and Fine Arts Society of the institute organised Manthan, a series of Linguistic competitions	14 th September, 2024
15	Swachatta pakhwada Swachhata Pakhwada was observed at NIT Silchar with a strong focus on cleanliness, hygiene, and environmental responsibility. NITS Eco Club hosted the events in collaboration with other clubs and college societies.	1 st - 15 th October, 2024
16	SOUNDSCAPES Orientation Programme: First Note First Note is the official orientation event of the Symphonits, designed to welcome new members and introduce them to the musical culture of NIT Silchar. The event showcases the club's journey, performances, and opportunities, giving newcomers a warm and inspiring start to their musical experience on campus.	19 th October, 2024



17	SOUNDSCAPES Jamming Session: Tune In Tune In is a lively jamming session organised by the Symphonites, where musicians come together to play, experiment, and enjoy music in a relaxed setting.	20th October, 2024
18	Bijoya adda Bijoyar Adda is a warm and lively event organised mainly by the Bengali community to celebrate Bijoya, marking the beginning of the new year after Durga Puja. The gathering features cultural performances not only by students but also by the children of professors, adding a homely and joyful touch to the celebration.	27th October, 2024
19	Garba Workshop and Garba Night A garba workshop was conducted by the dance club for two days in the SAC, followed by a DJ for the students enjoying the garba festivities.	18 th -19 th October, 2024
20	Unity day	31st October, 2024
21	Deepotsav Deepotsav is a grand event where the lighting of 51,000 diyas took place on the football ground, creating a mesmerising and divine atmosphere. Students and faculty come together to arrange and light the diyas, turning the entire ground into a glowing symbol of unity, hope, and celebration.	1st November, 2024
22	Diwali Night/Lantern Ceremony The Lantern Festival is a beautiful event organised by Obiettivo, the photography club of NIT Silchar. Students gather to release glowing lanterns into the night sky, creating a stunning visual display that symbolises hope and new beginnings.	2nd November, 2024
23	Chhath Puja NIT Silchar joined the nation in celebrating Chhath Puja, a unique festival that honours Chhathi Maiyan, the wife of the Sun God. This vibrant celebration, deeply rooted in the cultural heritage of Bihar, Uttar Pradesh, and other parts of India, was marked by a series of rituals and offerings.	7 th November, 2024
24	Convocation 2024 The Convocation, organised by the administration of NIT Silchar, is a proud and momentous occasion where graduating students of '24 received their degrees in the presence of faculty, dignitaries, and their families.	15th November, 2024
25	Blood donation drive A blood donation drive was organised in the SAC, where students, faculty, and staff came together to contribute to a meaningful cause.	24th November, 2024
26	Rexian 2024 The annual alumni meet of NIT Silchar Rexian in 2023 was a grand success. The highlight of the event was welcoming the batch of 1997, who celebrated their 25th reunion. The alumni reconnected with their old friends, faculty, and staff, reminiscing about their college days and sharing their achievements. The event was filled with nostalgia, joy, and camaraderie.	23 rd and 24 th November, 2024



27	Tecnoesis Tecnoesis is one of the largest tech fests in the North East, bringing together innovation, creativity, and technical excellence at NIT Silchar. The fest features a wide range of competitions, workshops, and showcases that attract participants from across the region. This year, the main attraction was a captivating performance by the renowned artist Nikhil D'Souza, adding excitement and energy to the event's grand celebration.	7 st - 10 th November, 2024
28	Jana Jatiya Gaurav Divas NIT Silchar commemorated Jana Jatiya Gaurav Divas to honour the diverse tribal communities of India. The celebration featured an exhibition showcasing the contributions of tribal freedom fighters and other notable figures. A variety of competitions were held to highlight the rich cultural heritage of these communities. The event served as a platform to promote tribal pride and raise awareness about their unique traditions and struggles.	15 th November, 2024
29	Magh Bihu This harvest festival was celebrated in the cricket Ground with folk games and Assamese Cuisine	14 th January, 2025
30	Spotlight The Dramatics club organised "Spotlight," exclusively for the new UG batch of 2027.	19 th January, 2025
31	Republic Day 2025 NIT Silchar commemorated Republic Day with a vibrant celebration that showcased the spirit of Indian nationalism. The event featured a colourful parade, where students marched in formation, carrying flags and banners. Cultural performances, including traditional dances and patriotic songs, added to the festive atmosphere. The celebrations concluded with a flag-hoisting ceremony and a speech by the institute director, emphasising the importance of unity, diversity, and democratic values. This day of national importance was celebrated in the Football Ground	26 th January, 2025
32	Republic Day - Nukkad Natak On the occasion of Republic Day, the Dramatics Club performed a Nukkad Natak that focused on the importance of constitutional values, equality, and unity in diversity	26 th January, 2025
33	Bollywood Quiz 2025 - Hosted by the Quiz Club of NIT Silchar, with the theme of Bollywood	7 th February, 20 25.
34	CineSaga movie night CineSaga is the movie screening event organised by the dramatics club of NIT Silchar, Advay. In this edition, the club screened the film <i>Chhichhore</i> , creating an enjoyable and nostalgic experience for the audience.	9 th February, 2025
35	FLASHMOB A public dancing event wherein a Team from AAVEG performed a brilliant sequence in the Goldighi Mall, welcoming everyone to the fresh Incandescence '24.	19 th February, 2025
36	StepWarz A dance battle event between the members of AAVEG, featured by 3 rounds, where one group ultimately wins the title.	21 st February, 2024



37	International Mother Language Day 2024 A Rally to celebrate the various languages was organised and ended with a cultural evening with various other events in the New Gallery	21 st February, 2025
38	Incandescence 2025 Incandescence 2024, the flagship cultural fest of NIT Silchar, was a four-day extravaganza that showcased the vibrant diversity of Indian culture. The event featured a variety of modules, including music, dance, drama, and literary competitions, spread across the NIT Silchar campus. The highlight of the fest was the Carpe Diem Night, where the renowned Bollywood singer Monali Thakur mesmerised the audience with her soulful voice and captivating stage presence.	20 th – 24 th February, 2025
39	Shree Nandya It was presented by a group representing Aaveg on the main stage on Day 0 of Incandescence '24	20 th February, 2025
40	Natraaj <u>Pump It Up</u> features an ultimate dance competition wherein any solo person, a duo or a group can compete with each other to win exciting prizes. <u>Ground Zero</u> features the most-awaited dance battle between dancers from all over India, battling to win	Pump It Up - 21 st February, 2025 Ground Zero - 22 nd February, 2025
41	Indie Unplugged Indie Unplugged, a module under Incandescence, was organised by the Music Club near the GH Back gate as the grand finale of the Melodies of Incand music competition.	21 st -22 nd February, 2025
42	Battle of Bands The Music Club's Battle of the Bands, a key feature of Incandescence, brought together both student and semi-professional bands for an electrifying competition	21 st February, 2025
43	Foundation Day 2024 On 21 st February, 2024, NIT Silchar celebrated its 57 th foundation day. To mark this occasion, many events were conducted, which included a rally, a tree plantation inside the campus, and a cultural performance.	21 st February, 2025
44	Women's Day International Women's Day was celebrated at NIT Silchar with various events aimed at promoting gender equality and celebrating womanhood. The events served as a platform to raise awareness about women's rights, challenge gender stereotypes, and inspire positive change.	8 th March 2025
45	NITS MUN Annual Conference NITS MUN is the Model United Nations conference of NIT Silchar, where students participate as delegates representing different countries to discuss global issues and propose diplomatic solutions.	23rd-25th March 2025



46	Posua 2025 The Spring Fest at NIT Silchar offered a lively showcase of Assamese cultural richness through a wide range of activities. The celebration began with a vibrant cultural procession that highlighted the region's traditions and heritage. The highlight came later at the Sports Complex, where acclaimed Bollywood singer Nilotpal Borah delivered an enchanting performance, mesmerising the crowd with his soulful songs. Overall, the fest not only celebrated Assamese culture but also strengthened community pride and togetherness.	5 th April, 2025
47	Patkair Ipore -Posua Quiz Date: 5th April,2025.	5th April, 2025
48	Ugadi 2025 Ugadi, observed as the New Year in the Hindu lunisolar tradition, was joyfully celebrated in 2023. The occasion signifies the start of a fresh year and is marked by age-old customs and rituals. Homes are adorned with vibrant rangoli designs, families prepare festive delicacies such as Ugadi Pachadi, and prayers are offered to the deities. The festival stands as a reminder of renewal, optimism, and the promise of prosperity.	30 th March, 2025
49	Oikyotaan This festival was a lively celebration of regional culture, marking the onset of spring. It began with a vibrant cultural rally that brought colour, energy, and enthusiasm across the campus. As the day unfolded, the excitement peaked with a spectacular cultural night at the sports complex, featuring traditional dance performances, soulful music, and captivating cultural showcases from diverse regions.	26 th April 2025



NCC-NIT Silchar

NCC-NIT Silchar is one of the most reputed uniformed organizations on campus. NCC-NIT Silchar is led by Lt. Dr. Rama Koteswara Rao Kondasani, Associate NCC Officer at NIT Silchar. It consists of 131 dynamic Senior Division Army cadets taking professional training under 3 Assam Battalion NCC Silchar, North Eastern Region (NER) Directorate, Shillong.

The NCC Cadets of NIT Silchar are a class apart. Their professional approach to various NCC activities fetches accolades during various national-level competitions. Their performance is always consistent and commendable. Due to their high IQ level and a technical bent of mind, they tend to stand out in the crowd and execute the task with finesse. In addition, they possess a good sense of humor, which binds the team together and keeps everyone amused.



Lt. Dr. Rama Koteswara Rao Kondasani
Associate NCC Officer
Senior Division , Army Wing

Few NCC Activities for the Year 2024-25

INDEPENDENCE DAY

The 78th Independence Day at NIT Silchar was a day of patriotism, unity, and pride. The Tricolor hoisting and national anthem set a heartfelt tone, followed by a grand parade led by SUO Nihal Singh, showcasing discipline and teamwork. NSS and hostel platoons marched in unison, honoring the sacrifices of our forefathers.

The Rank Ceremony marked a new chapter of leadership: SUO Saurov Jyoti Chutia for Senior Division and SUO Akanksha Pandey for Senior Wing received their ranks, bestowed by SUO Nihal Singh and SUO Ladli Verma, in the presence of Director Prof. Dilip Kumar Baidya.

The day concluded with certificate distribution, celebrating dedication, excellence, and service, embodying the true spirit of NCC.



CLEANLINESS DRIVE

"A cleaner world begins with a single step."

NCC-NIT Silchar organized a cleanliness drive along the road behind the sports complex, collecting litter, sweeping, and promoting proper waste disposal. Alongside, a poem competition on "Shramdaan: Clean Surroundings" encouraged cadets to express creativity while emphasizing the importance of a healthy environment.

This initiative fostered discipline, community service, and environmental awareness, reflecting the core values of NCC-NIT Silchar.



PLANTATION DRIVE

On September 16, 2024, the NCC-NIT Silchar organized a successful plantation drive, bringing together students, faculty, and Cadets to enhance campus greenery and promote environmental sustainability.



RASTRIYA EKTA DIWAS

"Unity is strength."

On October 31, 2024, the NCC cadets at the National Institute of Technology Silchar celebrated Rashtriya Ekta Diwas to honor the birth anniversary of Sardar Vallabhbhai Patel. The event featured an inspiring address by the Director, Prof. Dilip Kumar Baidya, and was supported by the ANO and CTO.

A disciplined parade, led by SUO Saurav Jyoti Chutia, was the central highlight. Despite organizing a Diwali Donation Drive on the same day, the cadets executed both events flawlessly. The celebration concluded with a prize distribution ceremony, where JUO Abhinash Yadav was awarded Best Cadet, and he, along with Cadet Shashank Kukreti, won the Best Debate award. The event successfully showcased the cadets' unity, discipline, and commitment.



BLOOD DONATION DRIVE

On August 15, 2024, NCC-NIT Silchar organized a successful blood donation drive, which was hailed as a testament to the human spirit. The event saw enthusiastic participation from cadets, volunteers, and donors, whose patience and selfless contributions were highlighted as a perfect example of the NCC motto, "Unity and Discipline."

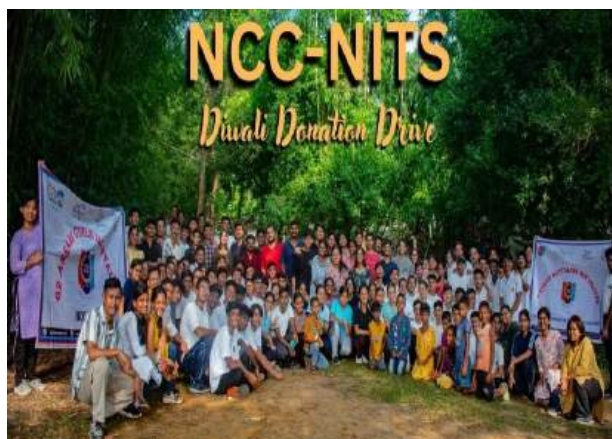
The organizers expressed profound gratitude to the donors for their life-saving act and to the volunteers and medical team for their tireless efforts that ensured the event's success. The drive was celebrated as a triumph of community and compassion, aimed at creating a ripple effect of kindness.



DIWALI DONATION DRIVE

"True happiness lies in giving and sharing."

NCC-NIT Silchar cadets celebrated Diwali by spreading joy to a nearby village. Over weeks, we collected stationery, food, and essentials to support the community. The day was filled with music, dance, and fun activities, bringing smiles to children and creating lasting memories. This drive embodied compassion, unity, and the spirit of giving, making the festival truly meaningful for both cadets and the community.



Rashtriya Suraksha Protsahan Yojna Intercollege Lecture Competition

The National Cadet Corps (NCC), NIT Silchar, organized the Rashtriya Suraksha Protsahan Yojna – Intercollege Lecture Competition on Saturday, March 22nd, to promote awareness of national security.

The event featured Deputy Inspector General (DIG) Ahsan Shahedi (BSF), who delivered valuable insights on national security, border management, and the essential role of both the youth and BSF in safeguarding the nation.

Cadets from various colleges actively participated in discussions on topics like cyber terrorism, defence policies, and strategic preparedness. The competition highlights included Under Officer Megha Singh winning first place, Cadet Sahil Kumar Jha securing fifth, and Cadet Neelakhi Borgohain receiving the Best Compliment for her impromptu speech. Prizes were distributed by Prof. Dilip Kumar Baidya (Director of NIT Silchar) and Colonel Amod Chandna (CO of 3 Assam Battalion NCC).



RASHTRIYA KRITAGYATA EVAM JAAGRUKTA YOJNA

On 28th March, the Rashtriya Kritagyata Evam Jaagrukta Yojna, was held by NCC-NIT Silchar and the Directorate of Sainik Welfare. The speaker, Col. Biswajit Sinha (Retd) of the Garhwal Rifles, emphasized that a nation's strength lies in the values of its people, highlighting the critical role of discipline, punctuality, and integrity. He shared insights on the Indian Army's values, entry routes (NDA, CDS, NCC), and the honor of service, drawing on his personal experience, including the Garhwal Rifles and Operation Pawan in Sri Lanka. Central to his message was the Chetwode Motto, which stresses selfless service and placing the country and one's men before personal comfort, inspiring attendees toward leadership and a career in the armed forces.



UNITY RUN

On August 14, 2024, NCC Cadets and NSS Volunteers participated in a spirited Unity Run under the Fit India initiative, inspired by Director Prof. Dilip Kumar Baidya and Associate NCC Officer Lt. Dr. Rama Koteswara Rao Kondasani, showcasing unity and dedication to a healthier nation.



NCC DAY

"Push yourself, because no one else will."

On 24 Nov 2024, NCC-NIT Silchar celebrated the 76th NCC Raising Day, honoring dedication and discipline. The evening began with a lamp-lighting ceremony and inspiring speeches by Lieutenant Dr. Rama Koteswara Rao Kondasani, the Dean, and 3 Assam Battalion dignitaries.

First-year cadets performed a patriotic song and vibrant dance, followed by prize distribution for running, chess, volleyball, and badminton. The event closed with everyone singing the NCC song, embodying pride, unity, and commitment to service.



National Sports Day

Starting the day with exercise over screens, NCC-NIT Silchar cadets celebrated National Sports Day with relay races, three-legged races, and running events.

SUO Sourav Jyoti Chutia inspired cadets, highlighting how sports build fitness, leadership, and sportsmanship. Both Senior Division and Senior Wing cadets participated, strengthening bonds and rejuvenating spirits.



REPUBLIC DAY

On January 26, 2025, NCC Cadets, led by Senior Under Officer Sourav Jyoti Chutia, celebrated Republic Day with a disciplined parade and a captivating cane drill by Junior Under Officer Abhinash Yadav, honoring their nation's spirit and recognizing cherished seniors with certificates of appreciation.



BLOOD DONATION DRIVE

On January 26, 2025, NCC-NIT Silchar organized a successful Blood Donation Drive with dedicated support from doctors and nurses, showcasing Cadets' commitment to unity and compassion through collective action for those in need.



BLACK DAY

"Even on the darkest days, the sun still rises."

On February 14 2025, NCC-NIT Silchar observed Black Day to honour the Pulwama martyrs. The event began with a candle-light tribute, followed by heartfelt performances, which included drama, songs, poetry, and dance by first-year cadets, reflecting deep patriotism. CTO Dr. Suprava Jena emphasized that national duty extends beyond the uniform, while SUO Ladli Verma, SUO Saurov Jyoti Chutia, and SUO Akanksha Pandey inspired unity and resilience.

A solemn yet powerful reminder: their sacrifice lives on in our spirit.



COMBINED ANNUAL TRAINING CAMP 123

"Tough times never last, but tough people do."

CATC-123, held at NIT Silchar (26 Dec 2024 – 4 Jan 2025), was a transformative 10-day camp uniting cadets from various institutions in a spirit of teamwork and excellence. From intense PT, sports, and .22 rifle firing to awareness sessions on health, leadership, and the Agniveer scheme, every activity built resilience and discipline.

Bravo Company triumphed in tug-of-war and Delta Company won the debate. SUO Saurav Jyoti Chutia was named Best Cadet. Guided by Col. Amod Chandana and Group Commander Kapil Sood, the camp embodied true NCC spirit, Unity and Discipline.



EK BHARAT SHRESHTHA BHARAT

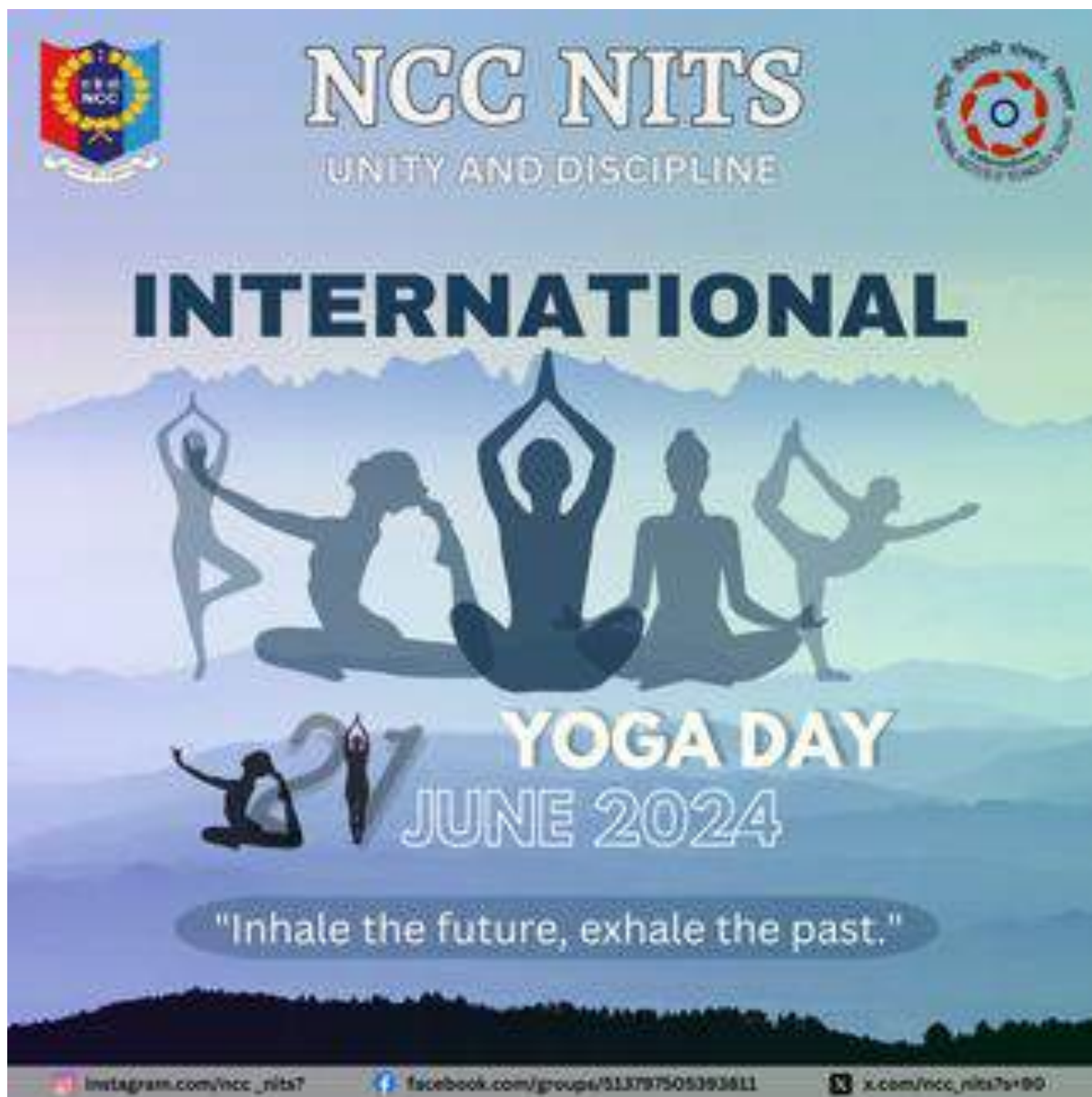
SUO Saurav Jyoti Chutia from NCC NIT Silchar, had the opportunity to attend the EBSB Delhi camp from October 1 to 12, 2024. The camp featured a range of activities, including sports, cultural events, the National Integration Program (NIP), Delhi Darshan, and an ADG home visit. Saurav's exceptional performance and dedication earned him the prestigious title of "Best Cadet," showcasing his leadership, teamwork, and discipline throughout the camp. His experience highlights the importance of participation in such programs for personal growth and national integration.





INTERNATIONAL YOGA DAY

On June 21, 2025, NCC-NIT Silchar celebrated International Yoga Day with an online session featuring various yoga asanas to promote health and wellbeing. The event included demonstrations by Cadets and culminated in motivational insights, encouraging everyone to integrate yoga into their daily routines.





NATIONAL SERVICE SCHEME (NSS)

The **National Service Scheme (NSS) Cell of NIT Silchar** continues to uphold its vision of fostering social responsibility, leadership, and community engagement among students. The cell operates under two distinct units — **Unit I** and **Unit II** — each contributing significantly to the holistic development of the NSS movement within the institute.

Unit I functions under the “Ministry Of Youth Affairs & Sports” as **centrally funded unit**, supported by the **Government of India**, while **Unit II** is a **self-sustained unit** operating through institutional and Campus-based resources. Together, these two units work cohesively to implement various outreach programs, community service initiatives, awareness drives, and capacity-building activities that reflect the true spirit of NSS — *“Not Me, But You.”*

During the **academic year 2024–25**, the **Government of India sanctioned a grant of ₹75,000/-** to **NSS NIT Silchar Unit I** for the enhancement and betterment of the NSS Cell’s ongoing projects and activities. This financial support has played a pivotal role in strengthening the NSS NITS Unit, organizing impactful events, and extending the reach of NSS initiatives within and beyond the campus community.

The **NSS Cell at NIT Silchar** remains committed to its mission of promoting volunteerism, community development, and youth empowerment. Through the dedicated efforts of both its units, the Cell continues to serve as a bridge between the institute and society — nurturing socially conscious citizens prepared to lead positive change in the nation.

Few NSS Activities for the Year 2024-25

April 6, 2024 – Survey on Waste Disposal System

On April 6, 2024, the NSS unit undertook a comprehensive survey to evaluate the waste disposal system throughout the NIT Silchar campus. This extensive initiative involved examining multiple locations, including academic buildings and surrounding areas, to identify current waste management practices and potential challenges. The data collected will serve as a foundation for developing improved strategies aimed at enhancing campus sanitation and environmental sustainability.



April 7, 2024 – World Health Day: Health Awareness and Medical Camp at Babutilla LP School

On April 7, 2024, to mark World Health Day, NSS volunteers held a health awareness program and a medical camp at Babutilla LP School. They gave free health check-ups to the children and people living nearby. Volunteers also shared important information about keeping clean, eating healthy, and staying safe from illness. This event helped the local community learn more about good health and build a stronger connection with healthcare helpers.



April 12, 2024 – Donation Drive at LP School

On April 12, 2024, the NSS team worked with local helpers to organize a donation drive at the LP School. They gave out important school supplies like notebooks, pens, and pencils to children who need them. This event helped the students with their studies and encouraged everyone to take part in helping the community and supporting education for all.



April 13, 2024 – Pragati Parv

Pragati Parv was celebrated with enthusiastic participation on April 13, 2024. This event showcased a variety of cultural and developmental activities emphasizing progress and empowerment within the community. NSS volunteers contributed actively, strengthening the collective spirit and commitment towards social upliftment.



April 20, 2024 – Blood Donation Camp

On April 20, 2024, the NSS group organized a camp for blood donation to help local hospitals and people in need. Many volunteers and community members came to donate blood kindly. This event showed how important blood donation is to save lives and encouraged everyone to help others in the community.



April 24, 2024 – Election Awareness Campaign

The NSS unit hosted an election awareness campaign on April 24, 2024, focused on educating the community about the significance of voting and empowered electoral participation. Special emphasis was placed on encouraging first-time voters and clarifying the voting process. The campaign successfully heightened voter awareness, motivating citizens to fulfill their civic duties with informed decision-making.



August 10-13, 2024 – NSS Help Desk

From August 10 to 13, 2024, the NSS unit operated a Help Desk specifically to assist new students, or freshers, with their admission process to the college as well as with hostel allotments. The volunteers provided timely support and guidance, helping freshers navigate the administrative procedures smoothly. This initiative created a welcoming and supportive environment for newcomers, easing their transition into college life.



August 14, 2024 – Har Ghar Tiranga

The Har Ghar Tiranga campaign on August 14, 2024, encouraged every household to proudly hoist the national flag in honor of India's independence. NSS volunteers actively promoted this patriotic initiative across campus and the surrounding communities, fostering national pride and unity among citizens.



August 15, 2024 – Independence Day

Independence Day was celebrated on August 15, 2024, with a flag hoisting ceremony and cultural events organized by the NSS unit. The occasion reminded participants of the sacrifices made for India's freedom and inspired renewed dedication toward nation-building and community service.



August 15, 2024 – Blood Donation Drive

A blood donation drive was also held on August 15, 2024, alongside Independence Day celebrations. The NSS unit facilitated organized blood collection, contributing to the local healthcare system and emphasizing the spirit of giving back to society. The event encouraged widespread participation and reinforced community health awareness. The event encouraged widespread participation and reinforced community health awareness.



7th September 2024- Nukkad Natak at Babutilla

The NSS unit of NIT Silchar, in collaboration with Advay, the Dramatics Club of NIT Silchar successfully staged a Nukkad Natak at Babutilla village on September 7, 2024, as part of the Swacchta Pakhwada campaign. The captivating performance vividly conveyed the importance of cleanliness and hygiene, resonating deeply with the audience. The enthusiastic participation from the villagers highlighted a shared commitment to transforming Babutilla into a beacon of cleanliness standing as a testament to the change that we can bring by our shared efforts.



29th September 2024 - Speaker Session on importance of Personal Hygiene

As part of the Swachhata Pakhwada campaign, the NSS unit of NIT Silchar organised an insightful speaker session featuring Dr. S. Vijayakanth from Cachar Cancer Hospital. Dr. Vijayakanth delivered a powerful talk on the importance of hygiene and cleanliness in preventing diseases, particularly cancer. He emphasized that maintaining personal and environmental cleanliness is crucial in reducing the risk of infections and long-term illnesses. In addition to hygiene, the session also highlighted the significant role that a healthy lifestyle plays in disease prevention. Dr. Vijayakanth explained how regular physical activity, a balanced diet, and mental well-being contribute to overall health and help build resistance to diseases. By focusing on simple daily habits, he encouraged the audience to take proactive steps towards healthier living.



2nd October 2024 – Plantation Drive

“Cleanliness is next to godliness “

The NSS unit of National Institute of Technology Silchar in collaboration with Eco club NIT Silchar along with Gyansagar conducted a plantation drive in front of Director secretariat symbolizing our resolve to fulfill the dreams of the father of the nation.



27th October 2024 - Survey at Babutilla and Madhutilla

The NSS Unit of National Institute of Technology Silchar carried out a detailed survey in the villages of Babutilla and Madhutilla, focusing on essential areas such as healthcare, sanitation, water availability, income, electricity access, and the villagers' awareness of various government schemes. The volunteers actively engaged with the villagers, assessing their concerns and challenges while also informing them about different government programs designed to improve their living conditions. Through these interactions, the team gathered valuable insights into the needs of the community, while also helping to raise awareness about resources and services that could benefit the villagers in their daily lives.



30th October 2024 - Space arrangement Program (Special Campaign-4.0)

The NSS unit of National Institute of Technology Silchar, in collaboration with the Gyansagar Social Welfare Organization of NIT Silchar, proudly conducted a space arrangement program today under the banner of Special Campaign 4.0. This initiative, organized jointly by National Service Scheme and Gyansagar, focused on optimizing the utilization of space in the administrative building of NIT Silchar.



31st October 2024 – Diwali Donation Drive

The NSS unit of the National Institute of Technology Silchar proudly organized a Diwali Donation Drive on 31st October on the auspicious occasion of Deepavali. The event brought joy to the villagers of Babutilla, who received diyas and sweets, while blankets were distributed to all the elderly in the village, creating heartwarming moments for everyone involved. To support the education of the village children, we also distributed pens, notebooks, and other stationery items, making their smiles a rewarding sight for the efforts we put in.



14th November 2024 - Children's Day Donation Drive

The NSS unit at NIT Silchar celebrated Children's Day by organizing a successful donation drive for the campus's Lower Primary (LP) school. Volunteers contributed essential supplies like pens, pencils, and notebooks, along with sweet treats. This initiative, driven by a desire to support education and spread happiness, deeply moved the NSS team. The children's joyful smiles highlighted how small acts of giving can make a significant, worthwhile impact, fostering compassion and community care.



25th Jan,2025 – Speaker Session on Voluntary Blood Donation and Carcinoma Cervix

The NSS unit organized a speaker session focusing on two important health issues - blood donation and carcinoma cervix. The session was conducted by Dr. Shah Alam Sheikh, who addressed the gathering with insightful discussions on the life-saving significance of voluntary blood donation. He highlighted the urgent need for regular donors to bridge the gap between demand and availability of safe blood. Alongside this, Dr. Sheikh shed light on carcinoma cervix, its causes, preventive measures, and the importance of early screening in reducing mortality rates. The session proved to be highly beneficial for volunteers, motivating them to take active roles in spreading awareness and contributing to community health.



26th Jan,2025 - Republic Day Celebration

The Republic Day was celebrated with great zeal and patriotic fervor, with NSS volunteers playing an active role in the proceedings. As part of the celebrations, the volunteers participated in the parade organized on campus, showcasing discipline, teamwork, and dedication. Their spirited participation not only reflected their respect for the nation but also highlighted the core values of NSS - service, unity, and responsibility. The celebration served as a reminder of the sacrifices made for India's independence and reinforced the spirit of national pride among all present.



26th Jan, 2025 - Blood Donation Drive

To celebrate the republic day in a meaningful manner NSS NIT Silchar in collaboration with NCC NIT Silchar and Silchar Medical College Hospital also organized a blood donation camp in the SAC Building NIT Silchar which was also a resounding success. Blood donation in itself is a very noble task and thus to remove the stigma associated with the cause our president Abhijit Das has also donated blood and proved the meaning of our logo "NOT ME BUT YOU" in true manner.



30th Jan, 2025 - Digital Poster Making Competition Against Tobacco

NSS, National Institute Of Technology Silchar has always been proactive in spreading the need for a healthier India for all. To Continue this initiative NSS NIT Silchar has organised a “Digital Poster Making Competition” for interested students of NIT Silchar to spread the Awareness Against Tobacco. The Topic for making the poster is “Awareness Against Tobacco” under Tobacco free educational institutions under the Ministry of Education.



4th Feb, 2025 - Speaker Session on Awareness Against Tobacco

A speaker session on awareness against tobacco was organized by the NSS unit on 4th February 2025. The session was conducted by Dr. S. Vijaykanth, who spoke on the harmful effects of tobacco consumption and the health risks associated with it. To further promote awareness, a poster-making competition was also held alongside the session, which saw enthusiastic participation from students. The event helped spread a strong message against tobacco use and encouraged volunteers to advocate for a healthier lifestyle in their communities.



24th Feb,2025-Saksham Cyclothon

On 24th February 2025, NSS volunteers actively took part in the *Saksham Cyclothon* organized by the Indian Oil Corporation Limited (IOCL). The event aimed to raise awareness about environmental sustainability and the importance of eco-friendly practices. A cycle rally was flagged off inside the campus, where participants promoted the message of reducing carbon footprints and adopting greener modes of transportation. The initiative was met with great enthusiasm and served as an effective step toward spreading environmental consciousness.



NSS Sports fiesta

The NSS Sports Fiesta was conducted as a week-long celebration to encourage physical fitness, teamwork, and sportsmanship among volunteers. Various indoor and outdoor games were organized, offering participants an opportunity to display their talents and competitive spirit. The event witnessed active participation, with students engaging in friendly competition and showcasing their enthusiasm. The sports fiesta not only provided recreation but also strengthened the bond of unity among volunteers, making it a memorable experience for all.



23rd march,2025- Plantation Drive

A plantation drive was organized on 23rd March 2025 as part of the NSS unit's commitment to environmental protection. Volunteers actively participated in planting saplings in and around the campus, contributing to the creation of a greener and cleaner environment. The activity not only promoted ecological balance but also encouraged students to take small yet impactful steps toward sustainability. The drive reflected the NSS spirit of service and responsibility towards nature.



29th march,2025- Sanitary Pad Distribution

On 29th March 2025, the NSS unit organized a sanitary pad distribution program at Borakhai High School. Along with the distribution of sanitary pads to the female students, an awareness session was conducted to educate them on menstrual hygiene and its importance for overall health. The session helped in breaking taboos surrounding menstruation and encouraged open discussions on personal hygiene. The initiative was well received by the students and created a positive impact on their awareness and confidence.





INFRASTRUCTURE AND AMENITIES

Estate - An overview:

1. Historical Background

In the late fifties, the Government of India decided to establish Regional Engineering College under the Quality Technical Education Policy - one each in every major state – with the prime objective of imparting quality technical education throughout the country and to foster national integration. These Regional Engineering Colleges were established as a joint venture of the Government of India and the respective State Government. Assam is a major state in the North-East of India and the 15th REC was officially established in Silchar in 1967. Though 14 other RECs started functioning within 1967, it took about another decade for REC, Silchar to start its academic programmes due to various constraints.

The college started functioning in 1967 from a camp office in Shillong (the then Capital of Assam) with Dr. S. K. Baruah as Principal and Prof. B. R. Seth, the then Vice-Chancellor of Dibrugarh University as Chairman of the Board of Governors. Subsequently, an area of about 540 acres of land was acquired by the Govt. Of Assam, on the outskirts of Silchar town. This land was part of Bhorakhai Tea Estate.

The first batch of students was admitted in 1977 in the B.E programmes in 3 branches of engineering viz. Civil Engineering, Mechanical Engineering, and Electrical Engineering. The total intake in the first batch was 60 students. The meager infrastructural facilities consisted of only a part of a hostel, two seven faculty quarters, and a few quarters for Grade-IV staff of the college when the college started its academic programme in November, 1977. Initially, the classes started with only 4 full-time teachers and with Dr. H. R. Chablani as Principal. The college started its academic programme with affiliation to Gauhati University. The affiliation was later shifted to Assam University in 1994. The first batch of B.E students was awarded their degrees in the year 1982-83. Subsequently, two more branches viz (i) Electronics and Telecommunication Engineering and (ii) Computer Science and Engineering started functioning from the year 1983 and 1987 respectively. On the basis of the report of the High Powered Joint Expert Committee of AICTE and UGC under the chairmanship of Prof. S. K. Joshi, Director General of Council for Scientific and Industrial Research (CSIR), Regional Engineering College Silchar has been transformed and upgraded to National Institute of Technology, Silchar with a Deemed University status with effect from 28.06.2002. The Institute has been subsequently made into a fully funded Government of India Institution. This ensures a better financial status for NIT Silchar which will accelerate its growth and ensure that it becomes one of the premier technological institutes of not just the North-East but also of the entire nation. The Institute has remodeled its curriculum and academic activities in line with that of IITs. With its Deemed University status, the Institute started awarding degrees from the year 2002 and the first convocation of the Institute is being organization today to award degrees to all those students who qualified for the degree after its transformation into an NIT.

2. Location

The Institute is situated at Silchar, the headquarters of the district of Cachar in Assam. The location of the Institute is at a distance of about eight kilometers to the south of the town of Silchar on the Silchar-Hailakandi road. Cachar is the southernmost district of Assam bordering Mizoram on the south, Manipur on the east and Tripura, and Meghalaya on the west.

3. Campus

The campus of the Institute is spread over an area of 540 acres. It presents a spectacle of harmony in modern architecture, natural beauty, and picturesque surroundings. The campus area has been organization in three functional sectors, viz.

- (a) Hostel for students.
- (b) Instructional Buildings and Administrative Block.



(c) Residential sectors for the staff.

The instructional buildings have been so located that these are fairly near to both the hostels and the staff quarters. There is a full-fledged branch of State Bank of India, a Post Office in the campus. The students & staff and also the villagers surrounding the campus get the facility of the SBI & Post Office. The Institute has its own Health Care Centre with a full-time Senior Medical Officer to attend to the emergency medical needs of the students, staff and their families. Patients suffering from a serious illness, requiring intensive care, are referred to the Silchar Medical College & Hospital, which is only about two kilometers from the campus. The Institute has an ambulance facility for shifting the patient to the nearby hospital. An adequately equipped canteen is there near the instructional zone and mini-market complex which will provide facilities to the students and the staff during and beyond the working hours. There is a well-equipped gymkhana and sports complex attached with an auditorium which is utilized by students for an activity like gymnasium, indoor games, and similar other pursuits.

4. Services

(a) Housekeeping of the campus (Except Hostel):	Outsourced
(b) Housekeeping of the Hostels:	Outsourced
(c) Security Management of the campus:	Outsourced
(d) Maintenance of Civil & Electrical:	Departmentally
(e) Gardening of the Campus:	Outsourced

5. Staff Structure

(A) Administrative:			
Sl. No.	Staff / Officers	Designation	Remarks
1	Dr. P.S Choudhury	Dean (P&D)	Regular
2	Dr. N. Debnath	Associate Dean (P&D)	Regular
3	Dr. Briti Sundar Sil	Associate Dean (P&D)	Regular
4	Dr. Rajeeb Dey	Associate Dean (P&D)	Regular
5	Mr. Sikumar Chauhan	Assistant Engineer (E) & Estate (i/c)	Regular
6	Mr. Dhruvajyoti Chakraborty	Assistant Engineer (C)	Contractual
7	Dr. Biswajit Roy	Technical Officer	Contractual
8	Mr. Tapan Kumar Roy	Junior Engineer (E)	Contractual
9	Mr. Swapan Das Baisnab	Junior Engineer	Contractual
10	Mr. Lalit Swami	Junior Engineer (C)	Regular
11	Mr. M. Barbhuiya	Junior Engineer (C)	Regular
12	Mr. Amlan Hazarika	Junior Engineer (C)	Regular
13	Mr. Shankar Dev Gour	Junior Engineer (C)	Regular
14	Mr. Asish Kumar	Junior Engineer (E)	Regular
15	Mr. Akash Bhardwaj	Junior Engineer (E)	Regular



(B) Supporting:			
Sl. No.	Staff/Officers	Designation	Remarks
1	Mr. Amarjeet Kumar	Sr. Assistant	Regular
2	Mr. Debabrata Barman	Assistant SG-II	Regular
3	Mr. Subasish Barman	Technician	Regular
4	Mr. Bipon Kumar Sinha	Sr. Technician	Regular
5	Mr. Akash Dey	Technician	Regular
6	Mr. Alok Kumar	Technician	Regular
(C) Infrastructure details:			
Sl. No.	Name of building		Area (Sqm)
Academic / Administrative / Lab / Workshop			
1	New Administrative building		8846.36
2	Expansion of classroom		6974.00
3	Mechanical Workshop building		2588.00
4	Mechanical Department		1895.00
5	Civil Engg. Dept		2799.00
6	Electrical Engg. Dept.		1647.00
7	ETE building		1137.00
8	Central Store / Estate Branch		800.00
9	Library building (old)		975.60
10	Vertical Expansion Dispensary building		189.00
11	Old Administrative building		800.00
12	Classroom Expansion Pt. II		2800.00
13	Expansion of Physics Dept (ground floor)		470.00
14	Expansion of Physics Dept (first floor)		164.00
15	Expansion of Chemistry Dept (first floor)		470.00
16	Expansion of Chemistry Dept (ground floor)		164.00
17	CSE & ETE building (G+2)		7935.70
18	Humanities Dept (first floor)		105.00
19	Mathematics Dept (ground & first floor)		195.00
20	Training & placement dept (second floor)		386.00
21	KendriyaVidyalaya		4642.70
22	New Library building		7987.77
23	Guest House (old)		216.00
24	Guest House (new)		4079.17
25	Post Office		118.57



26	Earthquake Engineering Laboratory	2734.00
27	Production Engineering Lab under Mech. Engg. Dept.	5361.00
28	New Academic building	7935.70
29	KID-NITS School	152.64
30	NABL building	790.56
31	Expansion of Electrical Engg. Dept	1152.41
	Sub Total (A) -	76511.18
Residential Area Hostels + Faculty + Staff Quarters		
1	Director's Bungalow	195.00
2	Professor quarters 7 units	1169.00
3	Asst. Prof. quarters 6 units	868.00
4	Type-D quarters 12 units	1344.00
5	Type-C quarters 8 units	480.00
6	Type-A quarters 12 units	540.00
7	Lecturer's quarters 15 units	1200.00
8	Teachers' Flat 12 units	590.00
9	Grade-III quarters 56 units	3600.00
10	Grade-IV quarters 30 units	1350.00
11	Type-VI(EL) Prof. qtrs. 12 units (old)	2466.00
12	Type-VI(EL) Prof. qtrs. 12 units (new)	2466.00
13	Type-V(E) Asst Prof. qtrs. 21 units (old)	2787.00
14	Type-V(E) Asst Prof. qtrs. 21 units (new)	2787.00
15	Type-IV(E) Lecturer qtrs. 30 units (old)	2556.40
16	Type-IV(E) Lecturer qtrs. 30 units (new)	2556.40
17	Type-III – 100 units	9923.04
18	KendriyalaVidyalaya qtrs.	1183.38
19	Boys Hostel No.1 (170 capacity)	3600.00
20	Boys Hostel No.2 (135 capacity)	2620.00
21	Boys Hostel No.3 (135 capacity)	2620.00
22	Boys Hostel No.4 (275 capacity)	5030.00
23	Boys Hostel No.5 (142 capacity)	2894.00
24	Boys Hostel No.6 (300 capacity)	7950.00
25	Boys Hostel No.7 (300 capacity)	7950.00
26	Boys Hostel No.8 (500 capacity)	20654.52
27	Boys Hostel No.9 (1000 capacity)	23560.00
28	Girls Hostel No.1 (185 capacity)	2114.00



29	Girls Hostel No.2 (212 capacity)	3303.00
30	Girls Hostel No.3 (104 capacity)	3303.00
31	300 capacity P.G Hostel & 100 capacity Married Scholar Hostel	12060.00
	Sub Total (B) -	135719.74
Sports facility & Common Facilities		
1	Dispensary building	156.00
2	NIT Café	416.00
3	Students Activity Centre	1145.00
4	Post Office	118.57
5	Eat-Out Dhaba	970.91
6	Sports Complex (Indoor & outdoor)	58823.41
7	Community Shed	336.00
	Sub Total (C) -	61965.89

Grand Total (A+B+C) = 274196.81



THE HOSTELS

BOARD OF HOSTEL MANAGEMENT

Name	Designation	Period
Dr. Sudipta Chakraborty	Member	31/08/2022 onwards
Dr. Malaya Dutta Borah	Member	30/11/2022 onwards
Dr. Biplab Das	Member	28/12/2022 onwards
Dr. T.R. Lenka	Vice Chairman	20/01/2023 onwards
All Asso. Wardens of Hostels	Members	

NIT Silchar is a residential campus. It provides hostel accommodation for students. Separate hostel accommodation is available for girl students. Apart from that, family accommodation is also provided to the married Ph.D scholars. All the students must stay in the hostels. However, under extraordinary cases, a student may be permitted to live with his/her parents or local guardian at Silchar. Students permitted to stay outside hostels are exempt from payment of mess charges, electricity, and water charges under hostel fees, but they will have to pay the hostel establishment charges. The name, full address, office and residence telephone number, designation, and willingness of the local guardian have to be furnished at the time of admission. Room allotment in the hostels is done in such a way that students from different regions of the country freely stay with each other, depicting national integration.

The Institute has **19 hostels** for the students on the campus. 12 for the boys (UG/PG/PhD), 6 for the girl students (UG/PG/PhD), and one for family accommodation to the married Ph.D Scholars. Hostels' capacity varies from hostel to hostel. The available capacity of boys' hostels altogether (UG/PG) is approximately 4000, the available capacity of girls' hostel (UG/PG) is approximately 800, and the available capacity of the Married Scholar Hostel is 56 flats.

List of Asso. Wardens of Hostel

WARDENS				PERIOD	
Hostel No.	Name	Designation	Department	From	To
BH-1	Dr. Santan Kumar	Warden	Mathematics	04/01/2023	31.03.2024
BH-2	Dr. Shankar K.	Warden	E & I	06/04/2023	Till Date
BH-3	Dr. Kedar Nath Das	Warden	Mathematics	24/09/2022	05.01.2024
	Dr. Biswanath Ghosh	Warden	Chemistry	06.01.2024	Till Date
BH-4	Dr. Simanchal Kar	Warden	ME	24/09/2022	Till Date
	Dr. Santosh Kumar	Assistant Warden	ME	04/01/2023	Till Date
BH-6	Dr. Chayan Bhattacharjee	Warden	EE	04/01/2023	Till Date
BH-6	Dr. Sreenu Sukumar	Assistant Warden	EE	04/01/2023	Till Date
BH-7	Dr. Sushant Negi	Warden	ME	24/09/2022	Till Date
	Dr. Parikshit Saikia	Assistant Warden	CSE	04/01/2023	Till Date
BH-8	Dr. Rajeev Nayan Gupta	Warden	ME	19/10/2022	Till Date
	Dr. Arun Kumar	Assistant Warden	ECE	01.01.2023	Till Date
BH9-A	Dr. Prasanta Roy	Warden	EE	10/01/2023	Till Date
	Dr. Ambrish Devanshu	Assistant Warden	EE	10/01/2023	Till Date
BH9-B	Dr. Anup Kumar Sharma	Warden	EI	17/03/2023	Till Date



BH9-C	Dr. Subrata Bera	Warden	Mathematics	11-01-2022	Till Date
BH9-D	Dr. Vipin Chandra Pal	Warden	El	10-02-2022	Till Date
	Dr. Jyotirmoy Haloi	Assistant Warden	CE	08.08.2023	Till Date
ABH	Dr. Kavicharan Mummaneni	Warden	ECE	01/12/2022	Till Date
GH-1	Dr. Tripti Goel	Warden	ECE	30-03-2022	Till Date
GH-1 B	Dr.Ambika Kutty	Assistant Warden	CE	10/08/2022	Till Date
GH-2	Dr.Sumitra Sharma	Warden	ME	02/12/2022	21.08.2023
	Dr. M.V.Swati	Warden	ECE	22.08.2023	Till Date
Gh-3	Dr. Chukhu Chunka	Warden	CSE	26/11/2022	Till Date
	Dr. Risha Mal	Warden	EE	20/02/2023	21.08.2023
GH-4	Dr. Binoti Patro	Warden	Management	26.03.2024	Till Date
MSH(ABC)	Dr.Tanaya Nayak	Warden	Management	05/12/2022	Till Date
MSH	Dr. Jiwanjot Singh	Warden	EE	10-01-2022	30.11.2023
	Dr. V. Kulkarni	Warden	CE	05.01.2024	Till Date

The following is the list of facilities available in the Hostels:

1. Chair, Table, Bed, Wardrobe, and Fan are provided in each room
2. 24-Hour Reading Room facility.
3. Guest room and Seek room in each hostel.
4. Round-the-clock water supply and power supply.
5. Water cooler cum Purifier.
6. Solar panels installed in all hostels for hot water.
7. A diesel generator (centrally) is available in case of failure of the power supply.
8. LAN/ Internet
9. Wi-Fi connection
10. Inverter.
11. TV Hall with an LED TV & DTH Cable connection facility in each hostel.
12. Newspaper and Magazine.
13. Photocopier (Xerox)/Printer & Scanner in each hostel.
14. Ambulance service round the clock.
15. Coffeehouse provided.
16. Indoor games like Table Tennis, carom, and chess are provided.
17. A hygienic kitchen with modern cooking equipment is provided.
18. Hygienic Dining hall with dining Table/chairs provided
19. Fire Extinguisher provided.
20. Family accommodation and self-cooking facility in Married scholar hostel and foreign students hostel
21. Separate vehicle parking facility in the married scholar hostel.
22. A bicycle stand is provided in most of the hostels
23. Badminton court with lighting arrangement available

The following is the list of services available in the hostels:

1. Security service
2. CCTV Surveillance
3. Cleaning / Housekeeping service
4. Food & catering service
5. Laundry services
6. Maintenance of civil, electrical, plumbing & sanitary services.
7. Maintenance of Aqua Guard & cooling cum purifier service.
8. Managerial service is provided for general maintenance.
9. Vehicle service is provided for attending classes.
10. LPG Mechanic service is provided.



VEHICLE MANAGEMENT

The Institute at present provides the following vehicles for various purposes as tabled below:

Sl. No.	Vehicle Registration No.	Type of Vehicle	Purpose
01	AS11B-7736	Indigo	T & P, Guest transportation
02	AS11CC-0712	Traveller	T & P, Student Transportation
03	AS11E-2416	Maruti omne	For official work as well as the transportation of students and staff on a requirement basis.
04	AS11E-5501	SX4	T & P, Guest Transportation
05	AS 11 S 4258	Ambulance (Force)	Transportation of patient (student as well as a staff of NIT Silchar)
06	AS11CC-9409	Ambulance (Tata Winger)	Transportation of patient (student as well as a staff of NIT Silchar)
07	AS11B-2701	Tractor	Engaged in the estate for heavy material transportation
08	AS11B-0930	Bus	Student Transportation
09	AS11B-2703	Bus	Student Transportation
10	AS11X0966	Nexon	T & P, Gust transportation

INSTITUTE HEALTH CENTRE



- ✚ The Institute Health centre is located within the campus, it is located amidst the hostel/residential zone and the academic zone.
- ✚ The NITS Health centre provides primary health care round the clock on all days.
- ✚ NITS Health centre has casualty, Pharmacy, OPD facilities, OPD timings: 8 A.M to 8 P.M. 24 hours fully equipped ambulance, and a clinical laboratory working from 09:00 a.m. to 05:00 p.m.

PEOPLE

Chairman, Health Centre Committee: Prof. Mokaddes Ali Ahmed, Civil Engineering Department
Medical Officer(s): Dr. Arindam Nath; Dr. Banibrata Chakraborty, Dr. Piyali Acharjee
Ayurvedic Doctor : Dr. Shivaji Kar
Visiting Consultants : Dr. Shiji Basheer (Medicine Specialist) & Dr. Sandhya Nair (Gynaecologist)
Dental Surgeon: Dr. Suman Debnath, B.D.S
Staff Nurse: Mrs. Shila Nath, Mrs. Moni Akura, Mrs. Durba Chakraborty
Pharmacist: Mr. Samanta Das; Mr. Sanjit Banik
Laboratory Technician: Mr. Dipak Roy
Student's Counsellor: Mrs. Bonita Nath
Physiotherapist : Mr. Abdul Basit Barbhuiya

FACILITIES

The Emergency services are available 24/7, 365 days a year. All kinds of medical emergencies are managed effectively with the infrastructure and facilities.

MEDICAL EQUIPMENT

1. Physiotherapy Instruments.
2. Nebulizer
3. Autoclave.
4. Oxygen Tanks with flow-meter.

PHYSIOTHERAPY CLINIC

- Treatment for various musculoskeletal disorders, including post-operative cases, sports injuries, stroke, cerebral palsy.
- Pain management and Rehabilitation for sports injuries with corrective and conditioning exercises.

DENTAL CLINIC



The Health Centre has the facility to handle dental services such as scaling, filling, and extraction of a tooth.

AMBULANCE



24 x 7 (on all days)

Two ambulances are stationed at the institute Health centre. The ambulance is fully equipped with an oxygen cylinder, lifesaving drugs, first aid kit bag. The ambulance is provided with a Trained Emergency Medical Technician (a Paramedical Staff who will be able to operate all the instruments installed in the ambulance), who is capable to deliver pre-hospital care to stabilize the patient and transport the patient to any impanelled hospital will first aid care.

CLINICAL LABORATORY: 9:00 a.m. to 5:00 p.m. (Monday to Saturday)

The clinical laboratory is fully functional with the latest equipment and reagents. Samples of blood, urine, mucous, stool, etc., are obtained from the patients referred to the clinical laboratory by the Medical Officers of Institute for the prescribed tests. The results of the tests are reported to the doctor on the same day by the lab technician. All the tests listed under the CGHS scheme are carried out for the students and eligible employees. Testing and waste management are followed as per NABL standards.



Clinical facilities available in NIT Silchar

PHARMACY

The pharmacy inside the institute hospital is fully functional with various range of regular and emergency medicines.

AWARENESS UPDATE

During the outbreak of **COVID-19 pandemic**, various protective measures and awareness programme has been introduced as per guidelines. Some of the key points are

1. Safe use of alcohol-based hand sanitizers.
2. Social Distancing.
3. Usage of a face mask.
4. Healthy diet.
5. Proper washing of hands.
6. Seek advice and help from Medical officers during an emergency.
7. Avoid stress and maintain good mental health.
8. Avoid gathering and eliminate the spread of infection.

CAMPS

- **Blood donation camps were organised on the occasion of Independence Day & Republic day with great enthusiasm by the students and staffs of NIT**
- **Haemoglobin check-up of the students (especially girls) were done in the Haemoglobin TEST DRIVE**

New Set-up

- **Ayurvedic clinic has been re- set up with the appointment of Dr.Shivaji Kar**
- **Physiotherapy unit has also been re-set up with the appointment of Mr. Abdul Basit Barbhuiya**
- **The nursing set up has also been strengthened with the appointment of new nurse Mrs. Durba Chakraborty.**



KENDRIYA VIDYALAYA NIT SILCHAR

The 13th Academic Session for the year 2024-25 commenced from 1st April 2024. The total enrolment position of the students during the year was 948 (Nine Hundred Forty-Eight) with a healthy distribution of 486 (Four Hundred Eighty-Six) boys and 462 (Four Hundred Sixty-Two) girls. A total of 114 (One Hundred Fourteen) new students were admitted in the Vidyalaya in the year 2024-25 with 43 (Forty-Three) in Balvatika-III, 43 (Forty-Three) in Class I and 28 (Twenty-Eight) in other classes.

In 2024-25, a total of 67 students were to appear in Class X Board Examination and 32 students were to appear Class XII Board Examination. The results of the Board Examinations have been declared and 100% students have passed in both Class X & XII.

S.S. Ajitha of Class X won First Position at Regional Level RSBVP. The Vidyalaya secured top 3 positions in Vidyanthi Vigyan Manthan 2024-25 at District Level.

Various games and sports activities were regularly organised as an integral part of the school curriculum in the Vidyalaya. Various events were held under Fit India Movement. The main activities were such as Free Hand Exercises, Asanas, Fun & Fitness, Football, Badminton, Rope Skipping, Chess and Tug-of-War etc. Karan Bhattacharjee of Class XII, Mandeep Das of Class X and Prasenjit Acharjee of Class IX Secured Silver Medals in different categories of Rope Skipping at NSM 2024-25. Ferdous Yeasmin Mazumder of Class XI and Moromy Roy of Class XII secured Gold in Girls Athletics U-19 200 Meters and 400 Meters respectively at RSM. Arisha Tahani of Class VIII secured Gold in Chess U-14 Girls at RSM. Ankush Das of Class VIII and Joydeep Paul of Class IX secured Gold in Rope Skipping at RSM.

Sohon Das of Class VII and Nayana Das of Class VII secured Silver in Yoga U-14 at RSM.

Activities under 'Ek Bharat Shrestha Bharat' were held and the Vidyalaya won 2nd Position at Cluster Level in Group Song Competition.

Various training programmes, workshops and seminars were conducted in the school for teachers and students. The school hosted a variety of events such as One-Day Regional Level Youth Parliament, Regional Level Rajya Stariya Bal Vigyan Pradarshani, Five-Day Regional Level Basic Training Camp for Guide Captains and Flock Leaders, Two-Day Regional Level Merit Camp for students of Class X.

The session 2024-25 was noteworthy for its stellar academic performance with regard to both teachers and students. A total of 03 teachers won Gold Certificates for excellent performance in Class X. A total of 02 teachers won Gold Certificates for excellent performance in Class XII. A total of 04 teachers won Silver Certificates for good performance in Class X & XII respectively (X – 02 & XII – 02).

The Vidyalaya has got a state-of-the-art infrastructure that is well equipped with various facilities including 3 well-furnished Science Labs, 3 smart classrooms, a Digital Language Lab., a Yoga Room, Games Room, Music Room, Work Education Room, Art Room, Medical Room, CMP Room, 2 Computer Labs, 1 Mathematics Lab, 1 Junior Science lab, 01 library with an impressive stock of books. Clean and well-maintained washrooms are situated in all corners of the building. The Vidyalaya has got a well-furnished building protected with strong boundary walls all around and a beautiful garden in the front.

A group of highly qualified and dedicated teachers is leading the Vidyalaya from the front for all-round development of the students. The Vidyalaya is running with a proper plan guided by KVS Regional Office, Silchar to achieve all the targets.



KIDS-NITS

NIT Silchar has a school for the kids of the campus as well as nearby areas that runs three classes viz. Nursery, KG 1 and KG. Apart from celebrating Independence Day, Republic Day, Teachers' Day, and Children's Day, the school has also organized Drawing and Sports Competition among the kids. The parents-teacher meet has been organized. The school has also organized Health Check-up for the school kids in NITS Health Centre.

SPORTS COMPLEX & GYM

The Sports Complex, NIT Silchar has training facilities for all the students and staff of this Institute. It has excellent infrastructure facilities for both outdoor and indoor games and sports. The outdoor games include Football, Cricket, Tennis, Basketball (concrete) and Tennis. A flood-Light facility is provided to all the outdoor games. The Indoor Games Complex (IGC) provides the following facilities:

Volleyball, Kabaddi, Kho-Kho, Basket Ball (concrete) and Tennis with Flood Light facility, Chess, Caroms, Yoga room, Shuttle badminton with concrete flooring, Table Tennis, Weightlifting and 08, 16, & 21 stations multi-Gyms, Vibration belt, Rowing Machine, 0505 Treadmills, Bench for Incline & Decline, Twisting machine, Iron weight plates, Rubber weight plates, Iron Rod Dumbbells etc. It has separate rooms for changing with attached bathroom and toilets. All the clubs of the institute such as the literary club, photography club, Dramatic club, Gyansagar club, and Music club are there in the sports complex. It has the New Auditorium with 5000 seating capacity and a big stage.

GUEST HOUSE

The Institute Guest House, flanked by green lawns and colorful horticulture remains a pleasant haven for the Institute Guests, whether from academia or alumni or parents of the students. The state-of-the-art Guest House with all modern infrastructures is one of its kind in the North East. Some renowned personalities of the Nation in the likes of Former President of India and Bharat Ratna recipient Late Shri A.P.J. Abdul Kalam and Hon'ble Minister of Railways, Shri Suresh PrabhakarPrabhu are eminent guests who stayed in the Guest House during their visit to Silchar.

POST OFFICE

The Institute has a sub-Post Office within the campus. The Sub Post Office has facilities like registration, money order, and speed post. The post office functions from 9.30 AM to 5.30 PM. Students and staff and people from the surrounding villages take advantage of the facilities of this Post Office.

BANK AND ATMS

A fully computerized full-fledged core-banking branch of State bank of India with an ATM facility operates in this campus. The students, staff, and people of the villages surrounding the campus avail the facilities of the Bank. There is one ATM of Punjab National Bank in the campus.

SHOPPING COMPLEX

There is one Shopping Complex inside the campus for tea, snacks, books, etc. Almost all the household items required by both the students and faculties are available here.

CAFETERIA

A full-fledged Canteen, named NITS Café, is in operation catering quality foods to students, staff, and visitors.



RESEARCH & CONSULTANCY

Research and Consultancy (R & C) is one of the most vital activities of the Institute since its inception. The Institute encourages R & C works that synchronizes with the global technical advancements, with special emphasis on the development of the North-eastern region. The synergy of R & C facilities along with the diverse expertise of the faculties and dedicated students, the Institute is touching new heights of Innovation in terms of research. The Research & Promotion Cell (RPC) / Under-Graduate Research Council (UGRC) / Anvesan further help to identify the young budding student researchers (UG/PG) and provide a unique platform to promote their innovative ideas. The academic curricula of all the disciplines are designed according to the current Industry needs and an initiative is taken to establish a research park comprising of different pioneers of the Industry through MoUs.

RESEARCH DEVELOPMENT:

Ph.D. Programme (specializations):

- (i) Civil Engineering
- (ii) Mechanical Engineering
- (iii) Electrical Engineering
- (iv) Electronics& Communication Engineering
- (v) Computer Science and Engineering
- (vi) Electronics and Instrumentation Engineering
- (vii) Humanities and Social Sciences
- (viii) Mathematics
- (ix) Chemistry
- (x) Physics
- (xi) Management Studies.

a. Ph.D. Produced/ Ongoing (in number):

Completed	Submitted	Ongoing
125	122	761

b. Sponsored Research Project:

Sl. No.	Name of the Project	Project Coordinator	Total Amount Sanctioned in Rupees	Date of Sanctioning the grant	Name of the Funding Agency
1	A Combined Control Strategy for Interior-Type Permanent Magnet Synchronous Generator Based Direct -Drive Wind Energy Conversion System	Dr.L.C.Saikia, Department of Electrical Engineering, NIT Silchar Dr.Rukmi Dutta, The University of New South Wales	7469561	28.07.2023	SPARC



2	A Low Cost fast and Reliable Clinical Prototype Based on Microwave Image for Early Diagnosis and Continuous Monitoring of Breast Cancer using Convolutional Neural Network	Dr. Arnab Nandi, Department of Electronics and Comunication Engineering NIT Silchar	2264625	02.03.2023	SERB
3	An Impact Assessment of Scheme for Facilitating Start-ups Intellectual Property Protection (SIPP) in Promoting Entrepreneurship and Innovation in India	Dr. Saurabh Verma, Department of Management Studies, NIT Silchar	1351720	23.02.2023	CHORD (NSTMI S) Scheme of DST
4	Analysis of Scattering Parameters Using Machine Learning Algorithm for Detection of Early Growth of Malignant Tissues inside Human Breast	Dr.BananiBasu, Department of Electronics and Communication Engineering , NIT Silchar	660000	29.12.2022	SERB- MATIC S
5	Automation scope in fabricating biodegradable super hydrophobic composite using banana pseudo- stem fiber and besswax for sustainable packaging applications	Dr.Simanchal Kar, Department of Mechanical Engineering, NIT Silchar	2453760	27.09.2024	DST
6	Canonization of Partition Literature and the Politics of Memorialization in South Asia	Dr.Avishek Ray Department of Humanities and Social Sciences, NIT Silchar Dr. Anne Murphy, University of British Columbia	6233776	28.07.2023	SPARC
7	Capacity Building for Human Resource Development in Unmanned Aircraft System (Drone and related Technology	Dr.RanjayHazra, Department of Electronics and Instrumentation Engineering, NIT Silchar	15091000	01.08.2022	MEiTY
8	Characteristics study of Heterojunction Nanoelectronics devices using Quantum Transport Models through an Indigenous Program	Dr. T. R. Lenka, Department of Electronics and Communication Engineering , NIT Silchar	220000	17-01-2022	SERB
9	Community based Microencapsulated Phase Change Materials (MPCM) Assisted Hybrid Solar Agro-Processing Centers	Dr.SudiptaHalder, Department of Mechanical Engineering, NIT Silchar	4900000	11.01.2024	NMHS



10	Comparative Study on the Implementation of Skill India Mission (PM Kaushal Vikas Yojana) in the Institutes of Assam and Delhi	Dr. Soma Panja, Department of Management Studies, NIT Silchar	1500000	03.10.2023	ICSSR
11	Design and development of a microreactor for production of clean hydrogen gas	Dr. Binita Nath Department of Mechanical Engineering, NIT Silchar	3264360	15.11.2023	RTGS DST
12	Design and Development of a SMART (Shape memory alloy restoration technique) Actuation based Lower Limb Rehabilitation Robotic System	Dr. Yogesh Singh, Department of Mechanical Engineering, NIT Silchar	2713950	25.03.2022	SEED
13	Design and development of an AUV for pisciculture and ROV for water quality assessment and bathymetric analysis	Prof. B. K. Roy Department of Electrical Engineering, NIT Silchar	1000000	27.01.2022	TIH-IITG
14	Design and Development of Intelligent cyber physical System for Prediction Early Detection and Remote Monitoring of Alzheimers Disease in Real-Time using Bio-Multifunctional Smart Wearable Sensors	Dr. Badal Soni, Department of Computer Science and Engineering, NIT Silchar. Dr. Soumen Mollik, NIT Meghalaya	1320000	09.02.2024	RTGS-SERB
15	Design and development of laser micro-welding for difficult to weld dissimilar shape memory alloy/nickel-free high nitrogen austenitic stainless steel and mitigating formation of intermetallics by employing Ta/Cu interlayer for implantable medical devices	Dr. Sumitra Sharma, Department of Mechanical Engineering, NIT Silchar	2991697	03.03.2022	SERB
16	Design and Development of Low Power Low Latency Non Invasive Seizure Detector System	Prof. K. L. Baishnab, Department of Electronics and Communication Engineering, NIT Silchar	10989000	22.05.2023	MeitY-R&D
17	Design and Development of Multifunctional grid-tied Inverter for Solar Energy Integration to Grid with Power Quality Enhancement Features	Dr. Jiwanjot Singh, Department of Electrical Engineering, NIT Silchar.	4287600	19-07-2021	DST



18	Design and Development of Reconfigurable Plasmonic Biosensor using phase change material for label free Detection of Lung and Liver Disease	Dr.PukhrambamPuspa Devi Department of Electronics and Communication Engineering , NIT Silchar	2410785	09.03.2022	SERB
19	Design and Implementation of a Hybrid underwater vehicle manipulator (HUVm) for Cleaning of bio-foulings on a submerged pipeline in a sea	Dr.Koena Mukherjee Department of Electronics and Instrumentation Engineering, NITSilchar.	3945449	27.09.2022	SERB
20	Design and modelling of a Ka-band multibeamgyroklystron amplifier for RADAR application	Dr. G.S. Baghel Department of Electronics and Communication Engineering , NIT Silchar	3200637	18.01.2024	SERB
21	Design Study of High Power W Band Multi-Cavity Gyroklystron	Dr.M.V.Swati Department of Electronics and Communication Engineering , NIT Silchar	990000	12.01.2024	CARS-DRDO
22	Design, Development and Performance analysis of a diffuser Augmented low-head Archimedes Screw Hydrokinetic Turbine	Dr.Biplab Das, Department of Mechanical Engineering, NIT Silchar	1900000	18.10.2024	IITG
23	Design, Development, and Testing of Sediment Erosion-Resistive Micro-Hydro Turbine for off-grid application	Dr.Biplab Das, Department of Mechanical Engineering, NIT Silchar	800000	10.04.2024	TIH-IIT Guwahati
24	Design, Epitaxial Growth, Fabrication, and Characterization of III-Nitride Nanostructured Optoelectronics for LED and Solar Cell Applications	Dr.T.R.Lenka Department of Electronics and Communication Engineering NIT Silchar	1528212	23.07.2024	DST-SERB ANRF - VAJRA
25	Determination of the optimized frequency for underwater RF Communication using metaheuristic technique and development of MIMO antenna for the underwater communication	Dr.Ujjal Chakraborty, Department of Electronics and Communication Engineering , NIT Silchar	700000	11.01.2023	IITGTID F
26	Development of a machine learning framework to accelerate prediction of self heating driven reliability issues in emerging nanosheet transistors	Dr.Arun Kumar Department of Electronics and Communication Engineering NIT Silchar	2643520	15.11.2023	SERB-CRG



27	Development of Design and Implementation Guidelines for an Eco-friendly and Sustainable Novel Vertical Drain Method to Improve Soft Clayey Soils using Sand-Filled Perforated Bamboos	Dr. Amit Kumar Das, Department of Civil Engineering, NIT Silchar	1397942	02.02.2024	DST-SERB
28	Development of Health Diagnostic Framework for onboard Electric Vehicle Batteries and Repurposing of Retired Batteries	Dr.MunmunKhanra Department of Electronics and Instrumentation Engineering, NITSilchar.	2271500	20.05.2022	SERB
29	Development of Reinforcement Learning Based Tracking Algorithm for a Mobile Tracker to Strategically Track Intelligently Guided Mobile Target	Dr.Chandrajit Choudhury Department of Electronics and Communication Engineering , NIT Silchar.	7383000	10.05.2022	R&D DRDO
30	Development of smart solar photovoltaic system having encapsulated phase change material with artificial intelligence based real-time condition monitoring	Dr.SudiptaHalder, Department of Mechanical Engineering, NIT Silchar	4623696	18.03.2024	SERB
31	Development of spatial map of available water resources with water quality index for the Barak River basin for drinking purposes along with the development of an indigenous household filtration System	Dr.BritiSundarSil, Department of Civil Engineering, NIT Silchar	3714120	20.02.2023	SERB-CRG
32	Development of sustainable and Flood Resilient Low-Cost Amphibious Housing System for the Vulnerable Communities in Assam	Dr.JyotirmoyHaloi Department of Civil Engineering, NIT Silchar	3061790	15.11.2023	SERB
33	Development of the deep learning based risk prediction and diagnostic model for Alzheimer's Disease using the integration offunctional and structural MRI Scans	Dr.TriptiGoel, Department of Electronics and Communication Engineering , NIT Silchar	2711009	30.01.2023	SERB-CRG
34	Development of Vibration Isolation System using Boreholes Filled with Geosynthetic Encased Sand Rubber Mixture	Dr.DebjitBhowmik, Department of Civil Engineering, NIT Silchar	4128858	14.06.2023	SERB



35	Development of visible active multiphasic titania-metal oxide nanoheterjunction Photocatalyst with enhanced green hydrogen production capacity and test its utility in an indigenously fabricated prototype solar photocatalytic reactor for large scale applications	Dr.R.G.Nair, Department of Physics, NIT Silchar	4638801	19.01.2023	SERB
36	DST -FIST level 1	Dr.Parthajit Roy Ph.D PI,DST-FIST, Level 1 Head of Department Associate Professor Department of Civil Engineering, NIT Silchar	16800000	02.03.2022	DST
37	Elastodynamic Waves in Complex Stratified Structures: A Mathematical Approach	Dr.Santan Kumar Department of Mathematics, NIT Silchar	1685400	15.12.2023	NBHM
38	Engineered superhydrophobic biomass-derived organocatalysts for biodiesel production: Process optimization using response surface methodology, kinetic studies and cost-analysis.	Dr. Samuel LalthazualaRokhum, Department of Chemistry, NIT Silchar	4682830	22.01.2024	SERB
39	Establishment of Science Technology and Innovation Hub in NIT Silchar,Cachar,Assam,for the socio-economic upliftment of SC/ST population in Assam	Dr.Biplab Das, Department of Mechanical Engineering, NIT Silchar	14437843	21.02.2022	SEED
40	Estimation of Quantitative Precipitation Errors (QPE) in Southern North East Region India using Radar Data	Dr.BritiSundarSil, Department of Civil Engineering, NIT Silchar	4755664	11.09.2023	MOES
41	Examining Visit Intention among Potential Visitors in Barak Valley,Role of eWOM characteristics Tourist Engagement and Trust :North Eastern Region (NER) Tourism Perspective	Dr. Rama Koteswara Rao Kondasani Department of Management Studies, NIT Silchar	120000	16.02.2022	ICSSR
42	Exploring Consumer Willingness to utilise Solar Energy : An Empirical Study in Selected Districts of Assam	Dr.UjjalProtim Dutta Department of Humanities and Social Sciences, NIT Silchar	1200000	19.12.2024	ICSSR



43	Fabrication and Optimization of Lead-free Inorganic Halide Perovskite based Memresistive Device and Systematic Investigation of Synaptic Characteristics for Neuromorphic Applications	Dr.Pranab Kumar Sarkar Assistant Professor Department of Applied Science and Humanities, Assam University Dr.Asim Roy, Department of Physics, NIT Silchar	3428832	04.11.2022	SERB
44	FIST Chemical Sciences Level B C or C Project//Development of Nanostructured Materials for Energy Production and Environmental Remediation	Dr. Samuel LalthazualaRokhum, Department of Chemistry, NIT Silchar	15000000	16.10.2023	FIST-DST
45	Harvesting Pico-scale water power using zero-head modified Savonius water turbine	Dr.Agnimitra Biswas, Department of Mechanical Engineering, NIT Silchar	3001900	21.02.2022	SERB
46	Hydrodynamic Instability analysis for an electrokinetically modulated flow of Visco-Plastic Fluid	Dr.SukumarPati, Department of Mechanical Engineering, NIT Silchar	660000	16.01.2023	SERB-MATRICES
47	Inclusive Economic Development of India via Digital STEM&L Education	Dr.RanjayHazra, Department of Electronics and Instrumentation Engineering, NIT Silchar Dr.Harikrishna Garg, National University of Singapore	4930720	28.07.2023	SPARC
48	Induction heating via reversible disulfide bond grafted MXene for localized self-healing in thermoformable CFRP laminates	Dr.SudiptaHalder Department of Mechanical Engineering, NIT Silchar	3670832	02.02.2024	SERB-DST
49	INSPIRE Faculty Fellowship	Dr.BinitaNath Department of Mechanical Engineering, NIT Silchar	3500000	22.03.2024	DST INPIRE
50	INSPIRE Faculty Fellowship	Dr.SomnathSantra Department of Mechanical Engineering, NIT Silchar	3500000	27.12.2022	DST
51	Intelligent Speech-to-Speech Translation with Lip-Syncing for Educational Domain	Dr.ParthaPakray Department of Computer Science and Engineering, NIT Silchar	2391297	18.01.2024	SERB



52	Leveraging Indigenous Medical Care for Tourism and Livelihood in Assam	Dr.DibyaNandan Mishra, Department of Management Studies, NIT Silchar	1200000	20.09.2024	ICSSR
53	Machine learning based Design of low cost Knee-Ankle-Foot orthosis for Divyangs and Development Through Additive Manufacturing of Recycled Plastic	Dr.Vinyas Mahesh Department of Mechanical Engineering, NIT Silchar	3222470	07.05.2024	DST
54	Machine Learning for Classification of Human Activities using Body Worn Low Profile Flexible Antenna	Dr.BananiBasu, Department of Electronics and Communication Engineering , NIT Silchar	2654300	29-07-2021	SERB
55	Mathematical modelling for feasibility of low cost fuel (kerosene)in scramjet combustor enabled with air throttling	Dr.PitambarRambhauRan dive Department of Mechanical Engineering, NIT Silchar	660000	31.01.2024	Martics-SERB
56	MedEdge:Design and Development of Edge Computing-Structured Framework to enhance Healthcare and enable Collaborative Biomedical Research	Dr. Ripon Patgiri, Department of Computer Secince and Engineering, NIT Silchar	1628000	10.03.2022	SERB
57	Modeling of distribution and tracking of droplets for Agricultural spray : AI assisted	Dr.DipankarBhanja Department of Mechanical Engineering, NIT Silchar	660000	31.01.2024	Martics-SERB
58	Modelling Fabrication and Testing of MEMS based Hybrid Vibrational Energy Harvester having Segmented Electrodes and Storage	Dr.KoushikGuha Department of Electronics and Communication Engineering , NIT Silchar	1200000	15.02.2023	DST-Mobility
59	On performance of structural damage detection based on: Mathematical and machine-learning models in harmony, and domain adaptation with scaled physical model using limited sensors	Dr.NirmalenduDebnath, Department of Civil Engineering, NIT Silchar	1857900	08.12.2021	DST-SERB
60	Prototype development of low-voltage alternators with Improved efficiency and life expectancy using tailored polyester resin nanocomposite Insulation	Dr. Ashish Paramane, Department of Electrical Engineering, NIT Silchar	3151500	20.11.2023	SERB



61	Reducing riders discomfort due to speed bumps without compromising their speed reduction abilities	Dr.Suprava Jana Department of Civil Engineering, NIT Silchar	867416	11.09.2023	SERB-POWER, DST, GOI
62	RIS-Aided D2D Communication for 5G and beyond network	Dr.RanjayHazra Department of Electronics and Instrumentation Engineering, NIT Silchar	5137220	18.01.2024	SERB
63	Robust Control of Biochemical Oxygen Demand And Ammonium Ion Concentration in Wastewater Treatment Plant using Quantitative Feedback Theory based Controller with Prototype Building	Dr.Prasanta Roy, Department of Electrical Engineering,, NIT Silchar	2282808	03.03.2023	SERB
64	Robust Identification of metamaterial microstructures for efficient energy harvesting	Dr.SudipDey Department of Mechanical Engineering, NIT Silchar	6738928	14.08.2023	SPARC
65	Sign Language Translator for Identification of Health Conditions of the Deaf and Dumb Population for Medical Attention	Dr. Ram Kumar Karch,Department of Electronics and Communication Engineering , NIT Silchar	2393600	24.04.2023	SERB
66	Socio-Economic Impact of Pradhan MantriBhartiyaJanaushadhiPar iyojana In North Eastern States of India	Dr. Saurabh Verma Department of Management Studies, NIT Silchar	700000	04.10.2023	ICSSR
67	Some Investigation on Design and Development of Efficient Printed Components for 5G Wireless Communications	Dr.Taimoor Khan Department of Electronics and Communication Engineering , NIT Silchar	1430000	22.06.2023	SERB
68	Spectral Element Method for Parabolic Initial Boundary Value Problems with Corner Singularities	Dr. Pankaj Biswas, Department of Mathematics, NIT Silchar	660000	16.02.2022	SERB
69	Structural characterization and device performance of superlattice structure-based phase change memory for low power consumption and high-speed non-volatile data storage applications	Dr.Shivendra Kumar Pandey Department of Electronics and Instrumentation Engineering, NIT Silchar	3940687	19.01.2024	CRG-SERB



70	Sustainable development of groundwater resources by the preparation of hydrogeological and hydrogeophysical database of Barak river basin Cachar Assam	Dr.Susmita Ghosh Department of Civil Engineering, NIT Silchar	4677200	13.09.2023	DST-SERB
71	Sustainable Energy System for Achieving Novel Carbon Neutral Energy Communities (SUSTENANCE)	Dr. Asha Rani MA, Department of Electrical Engineering, NIT Silchar	12689500	30-06-2021	DST under India EU
72	Teachers Associateship for Research Excellence	Dr.Asim Roy, Department of Physics, NIT Silchar	1830000	09.03.2022	SERB
73	Type ABO ₃ (A= Mg, Ba, Sr, Ca and B= Ti, Zr)based high entropy ceramics for next generation energy storage applications	Dr.SusmitaRabha, Department of Physics, NIT Silchar	4051400	24.03.2025	ANRF
74	Ultrasound Image Based Breast Cancer Prediction and Detection using Deep Learning computational Techniques	Dr.Pinki Roy Department of Computer Science and Engineering, NIT Silchar	2909500	30.01.2023	SERB
75	Uncertainty quantification of multiscale flutter analysis of composites Project No.2129 (AR&DB DRDO).	Dr.SudipDey, Department of Mechanical Engineering, NIT Silchar	3241321	04.06.2024	AR&DB DRDO
76	Women in Paramilitary	Dr.TanayaNayak Department of Management Studies, NIT Silchar	1054570	07.10.2022	NCW



STAFF POSITION

i. Chief Academic & Executive Officer (Position as on 31.03.2025)

Position	Name
Director	Prof. Dilip Kumar Baidya

ii. Administrative Staff: (Position as on 31.03.2025)

Name of the post	Sanctioned Strength	Staff in Position
Registrar	1	0
Deputy Registrar	3	2
Assistant Registrar	6	5
Librarian	1	0
Deputy Librarian	1	0
Assistant Librarian	1	0
SAS Officer	2	1
Sr. Technical Officer	1	1
Technical Officer	2	0
Executive Engineer	1	0
Engineer	2	0
Sr. Medical Officer	1	0
Medical Officer	2	2
Hindi Officer	1	0
Security Officer	2	0

iii. Academic Staff: (Position as on 01.04.2024- 31.03.2025)

Name of the Post	Sanctioned Strength	Staff in Position
Professor	282	30
Associate Professor		60
Assistant Professor		145
Total		235



iv. Faculty Position as on 31.03.2025 (Department-wise break up)

Sl. No.	Department	Professor	Associate Professor	Assistant Professor	Trainee Teachers	Total
1	Civil Engineering	8	10	22	0	40
2	Mechanical Engineering	2	13	22	0	37
3	Electrical Engineering	7	3	23	0	33
4	Electronics and Communication Engineering	5	10	17	0	32
5	Computer Science and Engineering	0	6	21	0	27
6	Electronics and Instrumentation Engineering	1	4	10	0	15
7	Mathematics	2	4	11	0	17
8	Physics	1	4	5	0	10
9	Chemistry	3	2	4	0	9
10	Humanities and Social Science	1	2	5	0	8
11	Management Studies	0	2	5	0	7
Total		30	60	145	0	235

v. Ministerial Higher Staff (as on 31.03.2025)

Name of the Post	Sanctioned Strength	Staff in Position
Superintendent/Accountant/Secretary/Jr. Hindi Translator	10	7
Sr. Superintendent/ Sr. Accountant/ Sr. Secretary	8	0
Superintendent (SG-II) / Accountant (SG-II)/ Secretary (SG-II)	5	0

vi. Technical Higher Staff (as on 31.03.2025)

Name of the Post	Sanctioned Strength	Staff in Position
Technical Assistant/ Junior Engineer/ SAS Assistant	38	0
Sr. Technical Assistant/ Assistant Engineer/ Sr. SAS Assistant	28	0
Technical Assistant (SG-II) / Assistant Engineer (SG-II) / SAS Assistant (SG-II)	13	3



vii. Ministerial Lower Staff (as on 31.03.2025)

Name of the Post	Sanctioned Strength	Staff in Position
Junior Assistant/ Hindi Typist	21	8
Senior Assistant/ Stenographer	16	6
Assistant (SG-II)/ Sr. Stenographer	11	2

viii. Technical Lower Staff (as on 31.03.2025)

Name of the Post	Sanctioned Strength	Staff in Position
Technician/ Works Assistant/ Laboratory Assistant	38	25
Sr. Technician/Sr. Work Assistant/ Sr. Laboratory Assistant	28	11
Technician (SG-II)/ Works Assistant (SG-II)/ Laboratory Assistant (SG-II)	19	2

ix. Supporting Staff (as on 31.03.2022)

Name of the Post	Sanctioned Strength	Staff in Position
Attendant/ Mali	41	22

x. Fresh Appointments Non-Teaching (From 01.04.2024 to 31.03.2025)

Sl. No.	Name	Designation	Date of Joining
1	Mr. Rahul Das	Assistant Registrar	01-04-2024
2	Mr. N. M. Tanwir Mazumder	Technician	01-04-2024
3	Mr. Anuj Kumar	Technician	04-04-2024
4	Mr. Jnyanendra Boro	Technician	08-04-2024
5	Mr. Ankan Deb	Senior Technician	08-04-2024
6	Mr. Hassan Ahmed	Technician	19-04-2024
7	Md. Rashid Hussain	Technician	24-04-2024
8	Mr. Shubham Kumar	Senior Technician	01-05-2024
9	Mr. Akash Dey	Technician	20-05-2024
10	Mr. Neeldeep Choudhury	Superintendent	27-08-2024
11	Mr. Bivash Suklabaidya	Junior Assistant	27-11-2024
12	Mr. Himadri Das	Junior Assistant	27-11-2024
13	Ms. Bishmita Bhattacharjee	Junior Assistant	29-11-2024
14	Ms. Aparna Hazam	Junior Assistant	29-11-2024



15	Mr. Indraneel Debnath	Junior Assistant	03-12-2024
16	Mr. Rohan Kumar	Junior Assistant	06-12-2024
17	Mr. Amarjeet Kumar	Senior Assistant	11-12-2024
18	Mr. Roshan Kumar Singha	Senior Assistant	11-12-2024
19	Mr. Bishal Kurmi	Junior Assistant	11-12-2024
20	Mr. Suraj Sharma	Senior Assistant	19-12-2024
21	Mr. Naresh	Senior Assistant	20-12-2024
22	Mr. Sudip Karmakar	Senior Assistant	20-12-2024
23	Mr. Suman Chakma	Junior Assistant	23-12-2024

xi. Fresh Appointments Teaching (During 2024-2025): NIL

xii. Appointments of Teaching (Contractual) (During 2024-2025): NIL

xiii. Retirement / Resignation (From 01.04.2024 to 31.03.2025)

Sl. No.	Name	Designation	Date of Retirement / Resignation
1	Mr. Samjid Ali	Technician (Selection Grade - I)	30-04-2024
2	Mr. N. M. Tanwir Mazumder	Technician	01-06-2024
3	Mr. Anuj Kumar	Technician	11-07-2024
4	Dr. Rajat Gupta	Professor	31-07-2024
5	Dr. M. Selvam	Assistant Professor	07-08-2024
6	Mr. Bishal Kanti Roy	Superintendent	07-08-2024
7	Dr. Srikanth Allamsetty	Assistant Professor	25-10-2024
8	Mr. Suresh Kumar Singh	Office Attendant (SG- I)	31-12-2024
9	Mr. Subhash Chandra Roy	Office Attendant (SG- I)	31-12-2024
10	Dr. Gurudas Das	Professor	31-01-2025
11	Mr. Chandan Prasad Barman	Technician (Selection Grade - II)	31-01-2025
12	Dr. Pravin P. S.	Assistant Professor	15-02-2025
13	Dr. Biswajit Purkayastha	Professor	28-02-2025
14	Mrs. Krishnamati Singha	Deputy Librarian	28-02-2025

xiv. Death in Harness (From 01.04.2024 to 31.03.2025): NIL

xv. Voluntary Retirement Scheme (From 01.04.2024 to 31.03.2025): NIL

Sl. No.	Name	Designation	Date of Release
1	Dr. (Mrs.) Madhuchanda Choudhury	Professor	31-05-2024
2	Mrs. Mita Deb Choudhury	Office Attendant (SG- I)	19-09-2024

GLIMPSES OF ANNUAL ACTIVITIES 2024-25

Oikyotaan



Independence Day 2024



Ekta Daud



Republic Day 2025





Bihu





Cleanliness Drive



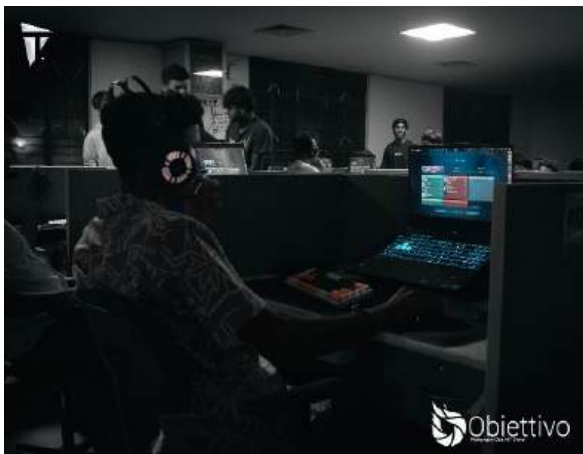
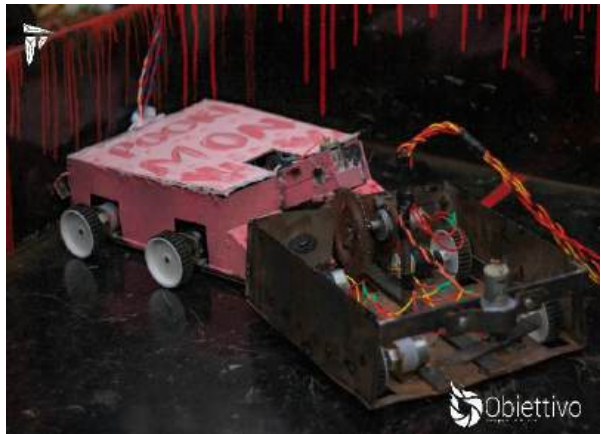
Youth Parliament



Tree Plantation



Tecnoesis



Incandescence





Posua





CORPORATE SOCIAL RESPONSIBILITIES



GYANSAGAR

A step towards +ve change



ABOUT GYANSAGAR

Gyansagar is the official social service wing of NIT Silchar, comprising a dynamic group of student volunteers who dedicate their time and effort towards improving society. Under the leadership and encouragement of Prof. Dilip Kumar Baidya, Director of NIT Silchar, Gyansagar has evolved into a student-driven movement that is committed to addressing pressing social issues with dedication, empathy, and innovation.

Our activities span diverse sectors such as education, health awareness, digital inclusion, environmental conservation, and women empowerment. In the academic year 2024–2025, Gyansagar had over 200 active volunteers working tirelessly to organize impactful events. These initiatives were implemented in collaboration with local communities, faculty coordinators, and administrative support, thereby creating a holistic environment for growth and change.

- **Faculty Coordinators:** - Dr. Sushant Negi
 - Dr. Anup Kumar Sharma
- **General Secretary:** - Rabi Sankar
- **Treasurer:** - Ravi Raushan Kumar

1. NIT CIT PROGRAMME

- Gyansagar introduced the **NIT CIT Programme** under the **Unnat Bharat Abhiyan** to promote **digital literacy** and **employability** among rural communities.
- The **two-month certification course (April 2025 – May 2025)** aimed to equip individuals from nearby villages, particularly students who had completed **at least Class 10th**.
- The programme was **formally inaugurated** in the presence of **Director Prof. Dilip Kumar Baidya**, the **Dean of Student Welfare**, faculty members, and local participants.
- A **preliminary entrance test** was conducted to select the most motivated and dedicated learners for the course.
- **Volunteers of Gyansagar**, under faculty guidance, organized **regular 3-hour training sessions** focusing on:
 - Basic computer operations and essential software tools
 - Internet browsing and digital communication
 - Email creation and management

Some glimpses of NIT CIT Programme:-



2. BLOOD DONATION CAMP

- In response to **dwindling blood reserves** at **Silchar Medical College** and **Cachar Cancer Hospital, Gyansagar**, in collaboration with the **NSS Unit of NIT Silchar**, organized a **blood donation camp** on **15 August 2024**.
- The event was held **on the NIT Silchar campus** with full support from the **medical teams of both hospitals**.
- The primary objectives were to **address the immediate shortage of blood** and to **promote awareness** about the **importance of voluntary blood donation**.
- The camp witnessed **enthusiastic participation** from across the campus, including **faculty members, non-teaching staff, and students**.
- Their **commitment was exemplary**, as many volunteers **personally donated blood**, setting an inspiring example for others.
- The event's success highlighted **Gyansagar's dedication to humanitarian causes** and the **power of student-led initiatives** in fostering social responsibility.
- The event's success highlighted **Gyansagar's dedication to humanitarian causes** and the **power of student-led initiatives** in fostering social responsibility.

Some glimpses of Blood Donation Camp:-



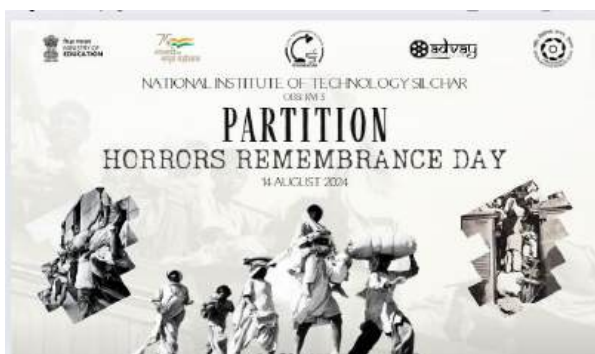
3. SANITARY PAD DISTRIBUTION DRIVE

- To address the **challenges of menstrual hygiene** among women employed in **low-income occupations**, Gyansagar organized a **Sanitary Pad Distribution Drive** on **28 April 2025**.
- The drive was **graced by Director Prof. Dilip Kumar Baidya and his wife**, whose words of encouragement emphasized the **importance of menstrual health** for overall well-being.
- The initiative focused on promoting **health, hygiene, and dignity** for the **female housekeeping staff of NIT Silchar**.
- Prior to the event, volunteers conducted a **survey** to understand the target group's **access to sanitary products, awareness levels, and cultural taboos** surrounding menstruation.
- The event took place at the **Central Courtyard of the Administrative Building, NIT Silchar**, providing an **open and inclusive environment** for attendees.
- Several **female faculty members** of NIT Silchar also attended, showcasing the **institution's commitment to women's welfare**.
- The programme began with an **awareness session** led by **female volunteers and faculty**, featuring:
 - Interactive discussions and educational presentations
 - Real-life experiences promoting open dialogue
 - Guidance on **safe product usage** and **proper disposal methods**.
- Following the session, **sanitary pad kits** containing a **multiple-month supply** were distributed to **over 100 female housekeeping staff members**.
- Each kit included **informative pamphlets in local languages** offering instructions on usage and disposal practices.
- The event received an **overwhelmingly positive response**, many women expressed gratitude, sharing that they previously relied on **unhygienic alternatives** due to financial or cultural barriers.
- The initiative provided **physical comfort, emotional reassurance**, and a **sense of respect and inclusion** for the beneficiaries.
- By addressing this often-overlooked aspect of women's health, **Gyansagar reaffirmed its commitment to inclusivity, empowerment, and compassionate community service**.
- The drive reinforced the message that **dignity in health is a right, not a privilege**, aligning with Gyansagar's mission to **uplift marginalized sections of society through awareness and action**.



4. PARTITION HORRORS REMEMBRANCE DAY

- **Gyansagar** commemorated **Partition Horrors Remembrance Day** on **14 August 2024** to honor the memory of those who suffered during one of **India's most tragic historical events**.
- The event was **graced by Director Prof. Dilip Kumar Baidya**, along with the **Deans, Registrar, and faculty members**, adding dignity and significance to the occasion.
- The event aimed to **pay tribute to the countless lives lost and displaced** during the partition while fostering **empathy and historical awareness** among students.
- The program was held at the **Central Library Auditorium, NIT Silchar**, and featured a **keynote address by Mr. Ashit Chakraborty**, who shared profound reflections on the **human cost of partition**.
- The **highlight** of the event was a **stage drama** performed by **Advay**, the dramatics club of NIT Silchar, depicting **real-life stories of pain, separation, and resilience** during partition. The performance also conveyed a **strong message of national unity and social harmony**, reinforcing the importance of peace.
- An **exhibition** was also organized, showcasing **archival photographs, newspaper cut-outs, and survivor testimonials**, offering a visual narrative of the era's hardships.
- These exhibits served as a **powerful reminder of the value of peace, tolerance, and communal cohesion** in a diverse society.
- Through this event, **Gyansagar reaffirmed its commitment** to nurturing **social consciousness, empathy, and unity** among the youth.
- **Volunteers of Gyansagar** played a vital role in organizing and curating the event—from setting up the exhibition to coordinating performances—showcasing **student leadership and teamwork**.
- The observance concluded with a **moment of silence** in memory of the victims, symbolizing **collective remembrance and hope for a harmonious future**.



5. SWACHCHHATA PAKHWADA

- As part of the **nationwide Swachchhata Pakhwada 2024**, organized under the **Ministry of Education, Government of India, Gyansagar** conducted a series of **cleanliness and sustainability initiatives** from **1st to 15th September 2024**.
- The campaign aimed to promote **cleanliness, environmental awareness, and civic responsibility** within the NIT Silchar community and surrounding areas.
- The celebration began with a **Poster Making Competition** for the students of **Ek Prayas (teaching module of Gyansagar)**, encouraging them to creatively express ideas on **cleanliness, sanitation, and a greener planet**.
- Alongside the competition, **interactive sessions** were held to teach students about **maintaining hygiene, reducing waste, and adopting eco-friendly practices** in daily life.
- The second major initiative was an **Eco-friendly Goods Distribution and Awareness Program**, focusing on reducing plastic dependency and promoting sustainable alternatives.
- As part of this effort, Gyansagar organized a **Jute Bag Distribution Drive** in nearby villages, with active support from the **college administration**.
- Villagers were **educated on the environmental hazards of plastic** and encouraged to adopt **reusable and biodegradable alternatives** like jute bags.
- In addition, **cleanliness drives** were conducted **in and around the NIT Silchar campus**, where volunteers engaged in **waste collection and sanitation improvement activities**.
- Volunteers also conducted **awareness workshops and campaigns** on **waste segregation, personal hygiene, and sustainable living practices**.
- The two-week observance inspired **collective participation and social responsibility**, reinforcing the importance of **environmental consciousness** within the institute and local communities.
- Through these initiatives, **Gyansagar demonstrated its commitment to a cleaner, greener, and more sustainable future**, in alignment with national goals.



6. NARI SHAKTI

- Believing that **women's empowerment is central to a progressive society**, Gyansagar organized a **two-day self-defense and safety awareness event titled 'Nari Shakti'** on 19th and 20th October 2025.
- The program was specifically designed for **adolescent girls from nearby villages** to build **physical confidence, mental resilience, and self-awareness**.
- A day prior to the event, **Gyansagar volunteers** conducted an **awareness campaign in surrounding villages**, encouraging participation and emphasizing the **importance of self-defense training** for young girls.
- The sessions were held during the **early morning hours** at the **football ground and sports complex of NIT Silchar**, providing a safe and engaging learning environment.
- The training was led by **Shri Ramesh Chhetri, a renowned Karate expert and self-defense trainer from Assam**, along with his **team of trained disciples**.
- Their **professional guidance and disciplined approach** significantly enhanced the **quality, credibility, and impact** of the sessions.
- **Female volunteers of Gyansagar** played a **key role** in organizing, and mentoring participants throughout the program.
- The presence of **Dr. Suprava Jena (Department of Civil Engineering, NIT Silchar)** added encouragement and inspiration as she interacted with the participants and volunteers.
- Over the two days, the girls were trained in:
 - **Practical self-defense techniques** and situational awareness
 - **Emergency response skills** for real-life threats
 - **Awareness about abuse prevention** and the importance of speaking up
- The sessions fostered **open dialogue, active participation, and mutual encouragement**, creating a **supportive and empowering atmosphere**.
- The **impact of Nari Shakti** was reflected in the **increased confidence and courage** of participants, who left with a stronger sense of **self-worth and independence**.
- This initiative exemplified **Gyansagar's commitment to women's safety, empowerment, and social inclusion** through **education, outreach, and advocacy**.



7. DEEP DAAN

- **Deep Daan** was Gyansagar's Diwali outreach initiative, aimed at **spreading joy and warmth to underprivileged communities** around NIT Silchar.
- The inauguration was graced by **Director Prof. Dilip Kumar Baidya** and **his wife**, along with the **Registrar, Deans, and faculty coordinators** of Gyansagar.
- Rooted in the belief that **the festival of lights should be inclusive for all**, the campaign focused on distributing **sweets, diyas, and warm blankets** to families who might otherwise miss out on festive celebrations.
- The event was **formally inaugurated on the eve of Diwali 2024** at the **Central Courtyard of the Administrative Building, NIT Silchar**.
- The program began with the **distribution of sweets, diyas, and blankets** to the **campus housekeeping staff**, acknowledging their dedication and contributions to the institute.
- Following the on-campus ceremony, **Gyansagar volunteers extended the distribution drive** to nearby villages such as **Madhutilla, Babutilla, Ghanghoor, Fakirtilla, and Borakhai**.
- Volunteers **interacted with local families, lit diyas together, shared festive sweets, and spread messages of hope, unity, and happiness**.
- The initiative went beyond charity, it served as a **gesture of compassion, inclusivity, and shared humanity**, strengthening the **bond between the campus and surrounding communities**.
- The event fostered a **sense of social harmony**, bridging economic and emotional divides through small yet impactful acts of kindness.
- **Deep Daan reaffirmed the true essence of Diwali** not just the lighting of lamps, but the **illumination of lives through empathy, service, and unity**.
- The initiative reflected **Gyansagar's commitment to community engagement**, inspiring volunteers to continue nurturing a spirit of **giving and togetherness**.



8. EK PRAYAS

- **Ek Prayas** stands as the **flagship educational initiative of Gyansagar**, dedicated to providing **quality education to underprivileged children** from neighboring areas.
- The program is conducted **throughout the academic year** and is **entirely driven by student volunteers** of NIT Silchar.
- **Over 100 children** participated regularly in the academic sessions covering **Mathematics, Science, English, and General Knowledge**.
- In addition to academics, volunteers organized **creative learning sessions, moral education classes, and confidence-building activities** to promote holistic development.
- On **Republic Day 2025**, the children **recited patriotic poems and songs**, celebrated **national heroes**, and learned about their **duties as responsible citizens**.
- A **special Children's Day celebration** was held, featuring **interactive games and fun activities** that encouraged **team spirit, critical thinking, and collaboration**.
- These activities created a **joyful and engaging learning environment**, strengthening both **academic and social values** among the children.
- The program operates **six days a week**, with **continuous support from Director Prof. Dilip Kumar Baidya** and **faculty coordinators of Gyansagar**, ensuring sustained growth and impact.
- Through **dedicated mentorship and consistent effort**, Ek Prayas has evolved into a **nurturing environment** where children's **dreams are encouraged and guided**.
- The initiative embodies **Gyansagar's belief in education as a powerful tool for long-term social transformation**, empowering young minds toward a brighter future.





ANNUAL ACCOUNTS FOR THE FINANCIAL YEAR 2024-25 National Institute of Technology Silchar



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महानिदेशक लेखापरीक्षा (केन्द्रीय)
कोलकाता का कार्यालय
जि. आई. प्रेस बिल्डिंग,
8 किरण शंकर रॉय रोड, कोलकाता -700001



SUPREME AUDIT INSTITUTION OF INDIA
लोकहितार्थं सत्यनिष्ठा
Dedicated to Truth in Public Interest

OFFICE OF THE DIRECTOR GENERAL OF AUDIT,
(CENTRAL), KOLKATA.
Govt. of India Press Building.,
8 Kiran Sankar Roy Road, Kolkata - 700001

No: OA II (AB)/AR/2024-25/NITS/ 327

Date: 22.01.2026

To,
The Director,
National Institute of Technology, Silchar,
Cachar, Assam-788010

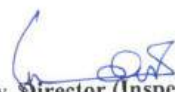
Subject: Separate Audit Report on the accounts of the National Institute of Technology, Silchar,
for the financial year 2024-25

Sir,

A copy of the Audit Opinion along with Separate Audit Report, in the prescribed format, on
the accounts of the National Institute of Technology, Silchar, for the financial year 2024-25, is
forwarded herewith for information and necessary action.

2. Arrangement may please be made for preparation of Hindi Version of the Audit Opinion
along with Separate Audit Report, at your end, and sending the same directly to the Ministry
3. It may please be ensured that the Audited Accounts and the Audit Opinion along with
Separate Audit Report, are placed before the apex body, for consideration and adoption, before the
same are sent to the Government for being placed in the Parliament.
4. Two copies of the printed Annual Report, for the financial year 2024-25 (both English and
Hindi Version), containing the Audited Accounts and the Audit Opinion along with Separate Audit
Report, as laid before the Parliament, may please be forwarded to this Office, for necessary action at
this end.

Encl.: As stated


Dy. Director (Inspection)



उदय शंकर प्रसाद
Uday Shankar Prasad

महानिदेशक लेखापरीक्षा, केन्द्रीय, कोलकाता
गवर्नमेंट ऑफ इण्डिया प्रेस बिल्डिंग (इस्ट विंग), प्रथम तल
8, किरण शंकर रॉय रोड, कोलकाता-700 001
Director General of Audit, Central, Kolkata
Government of India Press Building (East Wing), 1st Floor
8, Kiran Sankar Roy Road, Kolkata-700 001

D.O. No: OA II(AB)/AR/2024-25/NITS/ 328
Date: 22-01-2026

Dear *Shri Baidya,*

I have audited the annual accounts of the National Institute of Technology, Silchar for the financial year 2024-25 and have issued the Audit Report thereon, vide letter dated *22-01-2026*. During the course of audit, the following deficiency, as mentioned below, was noted. While these observations have not been included in the Audit Report, it is brought to your notice, for corrective and remedial action:

1. Tangible Assets (Schedule 4): ₹479.44 crore

The above head included an amount of ₹20.38 lakh as addition of Fixed Asset under the head 'Site & Campus Development'. Further, scrutiny revealed that out of ₹ 20.38 lakh, work of 'Construction of open shed near Officer's club NIT Silchar', amounting to ₹14.84 lakh, was not completed as on 31 March 2025. Thus, consideration of the work-in-progress, as fixed asset, resulted in overstatement of the 'Tangible-Fixed Assets (Schedule 4)' and understatement of the 'Capital-work-in-Progress (Schedule 4)', by an amount of ₹14.84 lakh, as on 31 March 2025.

2. Intangible Assets (Schedule 4): ₹8.70 crore

The above head included an amount of ₹1.69 crore as addition of Intangible Asset (Computer Software) during the FY 2024-25 which further included an amount of ₹24 lakh which was paid by the institute to the IIT Kharagpur for implementing the project 'SMILE ERP Implementation at NIT Silchar'. However, the said project was not completed, and no Completion certificate of the project was submitted by the executing agency. Thus, consideration of the advance amount of ₹24 lakh as intangible asset,

resulted in overstatement of the 'Intangible Fixed asset (Schedule 4)' and understatement of the 'Loans, Advances and Deposits (Schedule 8)', by an amount of ₹24 lakh, as on 31 March 2025.

3. Loans, Advances and Deposits (Schedule 8): ₹48.35 crore

a) Despite mention in the previous year Audit Report, the above head remained understated by an amount of ₹5.18 lakh due to non-inclusion of rent receivable from the different establishments, as disclosed in the 'Rent Register'. This further resulted in understatement of the 'Corpus/Capital Fund (Schedule-1)', by an amount of ₹5.18 lakh, as on 31 March 2025.

b) The above head included an amount of ₹6.72 lakh, as unadjusted advance under the head "Recoverable Advance – Advance to Employees (Non-Interest Bearing)". However, the advance was adjusted and the concerned utilization certificate was also submitted to the AICTE (funding agency) against the advance amount of ₹6.72 lakh. Thus, inclusion of adjusted advance amount of ₹6.72 lakh under the above head resulted in overstatement of both the 'Loans, Advances and Deposits (Schedule 8)' and the 'Current Liabilities and Provisions (Schedule 3)', by an amount of ₹6.72 lakh, as on 31 March 2025.

4. Depreciation: (-) ₹10.86 crore

The NIT, Silchar wrongly classified certain assets as site development instead of considering the assets under building. This misclassification led to undercharge of the depreciation, by an amount of ₹8.75 lakh (rate of depreciation of sight development was NIL while for building it was @2%), as detailed below:

Asset name	Value on 31-03-2025	Depreciation rate	Depreciation
Security wall	1,69,87,563	2%	3,39,751
Tennis/ Badminton/sports arena	1,34,69,831	2%	2,69,397
Parking shed	1,26,10,193	2%	2,52,204
Shed of DG set	6,61,562	2%	13,231



Total	4,37,29,149		8,74,583

This further resulted in understatement of the deficit (Excess of Expenditure over Income), by an amount of ₹8.75 lakh, as on 31 March 2025.

5. Corpus/Capital Fund (Schedule-1): 563.68 crore

As mentioned in the previous year Separate Audit Report, the NIT, Silchar had to incorporate 24 nos. of savings/current bank accounts in the Annual Accounts for the financial year 2024-25. However, out of the 24 nos. of bank accounts (as mentioned in the previous year Separate Audit Report), the Institute incorporated 19 bank accounts within the Annual Accounts for 2024-25 and the remaining 05 nos of Accounts, having a combined balance of ₹1.19 crore, as on 31 March 2025, are yet to be incorporated. Non-inclusion of the above bank balances of 05 nos. bank accounts, resulted in understatement of the 'Current Assets' (Schedule-7) and 'Capital Funds' (Schedule-1) by ₹1.19 crore.

6. The accounting policy of the Schedule of Significant Accounting Policies does not fulfil the disclosure requirements as prescribed in AS 15.

With regards

Yours sincerely,

**Professor Dilip Kumar Baidya,
The Director,
National Institute of Technology, Silchar,
Cachar, Assam-788010**



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

We have audited the financial statements of the National Institute of Technology, Silchar, which comprise the statement of financial position as at 31 March 2025 and the Income & Expenditure Account and 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 and Auditor General's (Duties, Power and Conditions of Service) Act, 1971, read with Section 22(2) 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 the National Institute of Technology, Silchar, 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 of its financial performance and its cash flows for the year then ended in accordance with uniform format of accounts.

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 *Board of Governors* of the National Institute of Technology, Silchar is responsible for the preparation and fair presentation of the financial statements in accordance with uniform format of accounts, and for internal control as management determines is 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

(Uday Shankar Prasad)
Director General of Audit
Central, Kolkata

Place: Kolkata

Date: 22-01-2026



Separate Audit Report on the Accounts of the National Institute of Technology, Silchar for the year ended 31 March 2025

A Income and Expenditure Accounts

1.1 Expenditure

1.1.1 Prior Period Expenses (Schedule 22): ₹Nil

NIT, Silchar exhibited an amount of ₹17.93 crore under the accounting head “Administrative & General Expenses (Schedule-17)” and ₹15.35 crore under the accounting head “Repairs & Maintenance (Schedule 19)”.

₹1.38 crore (Schedule-17: ₹0.71 crore and Schedule 19: ₹0.67 crore) was related to prior period expense which was wrongly booked under the head ‘Administrative & General Expenses (Schedule-17)’ and ‘Repairs & Maintenance (Schedule 19)’. This resulted understatement of above head and overstatement of “Administrative & General Expenses (Schedule-17)” and “Repairs & Maintenance (Schedule 19)” by ₹0.71 crore and ₹0.67 crore respectively.

B General Comments

2.1 On scrutiny of Investments of Earmarked and Other Funds (Schedules 5 & 6), it was noticed that the **Face Value of several Fixed Deposit Receipts (FDRs)** disclosed in the accounts as on **31.03.2024** were not tallied with the balances certified by the Bank. The Bank, in its certificate, specifically mentioned the figures shown by the Institute as “Incorrect F.V. as on 31.03.2024” and separately confirmed the “Correct Face Value as on 31.03.2024”. As per the bank details, total value was ₹10.72 crore, while as per the accounts it was ₹11.11 crore. There was a difference of ₹39.04 lakh. Further, institute made adjustment of ₹31.38 lakh only. Reconciliation is required for remaining balance of ₹ 7.66 lakh.

2.2 In contravention to the Common Format of Accounts, fully depreciated assets were not carried at a value of ₹1 in the Fixed Assets Schedule.

2.3 Investment from Earmarked Fund/Endowment Fund (Schedule 5) and Investment Others (Schedule 6), it was noticed that investment was auto renewed time to time but

investment amount (Face value of Investment) was mentioned as it was initially invested. In absence of auto renewed amount, audit could not verify the exact value of investment during 2024-25.

2.4 In contravention to the Common Format of Accounts, the Institute did not append the Schedule-3C in the Accounts.

2.5 Despite mention in previous year's Audit Report (2023-24), outstanding Liabilities to ₹1.91 Crore and ₹3.00 Crore were lying under head AICTE Project Funds' and 'Sponsored Project (R & D)' in "Current Liabilities and Provisions" (Schedule 3) since 2019-20, i.e. more than five years. The outstanding liability needs to be reviewed by the Institute for early disposal.

2.6 Despite mention in previous year's Audit Report (2023-24), In contravention to the Formats of Financial Statements for Central Higher Educational Institutions issued by Ministry of Education, where the rate of depreciation on E-Journals/E-Books stipulated at 40% per annum on SLM, the Institute made a separate category of E-Book Perpetual Assets) amounting to ₹4.24 Crore (₹3.41 crore from Previous SAR (2023-24) and ₹0.84 crore for 2024-25) on which no depreciation was charged. This needs to be reviewed. May be retained in SAR

2.7 Despite mention in previous year's Audit Report (2023-24), Institute, during 2023-24, exhibited an expenditure of ₹65,000 on Patents under sub-schedule 4(C)(I)- Patents and Copy Rights. However, the same was not included under Intangible Assets (Patents) of the Institute in Schedule 4- Fixed Assets. This needs to be reviewed.

2.8 Despite mention in previous year's Audit Report (2023-24), Bank Reconciliation Statements in respect of the Bank accounts maintained by the NIT, Silchar depicted 32 (Thirty Two) (34 bank account was mentioned in Previous Year's SAR, for 2 bank account, it was complied), receipts amounting to ₹3.67 lakhs pertaining to 2017-18 to 2021-22 that had not



yet been credited by the SBI, NIT, Silchar to the respective account of the Institute as on 31.3.2025. Effective steps need to be taken for reconciliation with the bank.

2.9 Despite mention in previous year's Audit Report (2023-24), The Institute did not possess any record (Asset Register, list of Assets with money value, etc.) related to assets amounting to ₹11.47 Crore created under 'Research and Consultancy' scheme of sponsored projects as disclosed in the Notes on Accounts.

2.10 Despite mention in previous year's Audit Report (2023-24), Current Liabilities and Provisions (Schedule-3) of Annual Accounts of the Institute were depicted an amount of ₹107.08 lakhs (₹1.27 crore was in previous year's SAR) as Un-classified receipts. The amount needs to be exhibited under proper concerned head.

2.11 Despite mention in previous year's Audit Report (2023-24), an advance of ₹51.91 lakh was given to a Balmer Lawrie & company exhibited under the head "Loans, Advances and Deposits" (Schedule 8). This amount has remained unutilized for the past five years. The Institute needs to take appropriate action to utilize/adjust the advance.

2.12 Despite mention in previous year's Audit Report (2023-24), advance & other amount recoverable in cash or in kind or for value to be received amounting ₹39.70 lakh (Deposit Work Rs. 11.18 lakh + Others recoverable Rs. 28.52 lakh) pending for more than five years. This needs to be reviewed.

2.13 Despite mention in previous year's Audit Report (2023-24), Old receivable balance under 'Claims Receivable amounting to ₹8.37 lakh pending for more than five years. This needs to be reviewed.

2.14 Despite mention in previous year's Audit Report (2023-24), Advance to Employees amounting to ₹4.82 lakh has been pending for more than five years.

2.15 Despite mention in the previous Audit Report, Institute prepared combined Accounts for GPF and NPS, which contravene the Common Format of Accounts. It needs to be reviewed.

2.16 Despite mention in the previous year's Audit Report, Other Liabilities amounting ₹1.03 lakh (Out of ₹2.44 lakh as mentioned in previous rear SAR 2023-24) remained undischarged for more than six years. Effective steps need to be taken to discharge the long pending liabilities. Further, Rs. 5.74 lakh, depicted under "Other Funds", has been lying idle for last six years.

2.17 Despite mention in previous year's Audit Report, Investment in term deposits pertaining to corpus fund / capital fund of ₹154.14 crores (₹67.77 crore mentioned in previous year SAR 2023-24) was shown under 'Investment others' instead of 'Current Assets'.

2.18 Despite being mentioned in the previous audit report, Assets valuing ₹16.23 crores (₹16.20 crore mentioned in previous year SAR 2023-24) have been depicted under other assets and are required to reclassified under the prescribed heads given by the Ministry of Education.

2.19 ₹1.95 crore is shown payable to NSDL, it should be paid to NSDL immediately.

C. Board of Hostel Management

National Institute of Technology Silchar (Institute) prepared separate accounts for the Board of Hostel Management. Checking of the Accounts (2024-25), revealed the following points:

3.1 Investment (Schedule 4): ₹5.31 crore

Investments (Schedule 4: ₹5.31 crore) head is overstated by ₹30.53 lakh due to, balance shown in investment (Investment FD A/c No. 37681350773) was ₹33.81 lakh whereas as per bank certificate for such investment, balance was exhibited as ₹3.28 lakh. Difference of ₹30.53 lakh (₹33.81 lakh - ₹3.28 lakh), needs to be reviewed.

3.2 Income from Investments (Schedule 7): ₹14.10 lakh

The above head was understated by an amount of ₹22.19 lakh, as the NIT, Silchar exhibited accrued interest (2024-25) for the fixed deposits was ₹14.10 lakh while as per the bank

certificate, it was ₹36.29 lakh. Difference of ₹22.19 lakh (₹36.29 lakh - ₹14.10 lakh), needs to be reviewed.

D. Management letter

Deficiencies which have not been included in this 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 Control

(i) Adequacy of the Internal Audit System

The Internal Audit System of the Institute is inadequate on account of the following:

- a. The Institute does not have any functional internal audit wing. Further, no internal audit has been conducted by any outsourced agency. Only one Internal Auditor has been appointed on contractual basis for pre-audit but no internal audit for the financial year 2024-25 has been conducted.
- b. There is no Internal Audit Manual in use.

(ii) Adequacy of the Internal Control System

The Internal Control System of the Institute is inadequate in the following areas:

- a. No insurance coverage relating to cash in transit and cash in hand.
- b. Names of officials and the limits up to which they are authorized to sign cheques are not specified.
- c. Cheque protectors are not used.
- d. Persons connected with receipt of materials and keeping of receiving records, are not denied authority to issue purchase orders or to approve invoices.
- e. List of employees, by designation, with limits of authority in respect of several matter related to purchases and creditors, is not maintained.



(iii) System of Physical Verification of Fixed Assets and Inventories

The Institute has conducted physical verification of Fixed Assets. However, no consolidated physical report has been prepared for the financial year 2024-25.

(iv) System of Physical Verification of Fixed Assets and Inventories

The institute has not conducted Physical verification of inventory during the FY 2024-25.

(v) Regularity in Payment of Statutory Dues

No issue were reported by the Institute in payment of Statutory dues.

F. Grants- in-Aid

National Institute of Technology Silchar, Assam is mainly financed by the Grants received from the Government of India. During the financial year 2024-25, the Institute received total grants of ₹191.62 Crore. The Institute had opening unspent balance of ₹3.78 Crore Further, an amount of ₹7.83 was lapsed during the year, leaving available fund of ₹187.57 Crore Out of the available Grants of ₹187.57 Crore, the Institute utilized ₹181.08 Crore leaving unspent balance of ₹6.49 Crore.

Place: Kolkata

Date: 22.01.2026

**Director General of Audit
Central, Kolkata**



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

BALANCE SHEET AS AT 31st MARCH 2025

Amount in Rupees

SOURCES OF FUND	SCHEDULE	CURRENT YEAR	PREVIOUS YEAR
CORPUS / CAPITAL FUND	1	4,40,78,13,410	5,65,19,50,862
DESIGNATED / EARMARKED / ENDOWMENT FUNDS	2	1,46,92,89,285	1,46,11,02,344
CURRENT LIABILITIES AND PROVISIONS	3	2,79,47,17,221	73,39,26,390
TOTAL		8,67,18,19,916	7,84,69,79,596

APPLICATION OF FUNDS	SCHEDULE	CURRENT YEAR	PREVIOUS YEAR
FIXED ASSETS			
TANGIBLE ASSETS	4	4,79,44,00,394	4,63,56,90,266
INTANGIBLE ASSETS		8,69,65,733	11,24,48,275
CAPITAL WORKS-In-PROGRESS		16,38,02,202	5,73,31,393
INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	5	1,12,71,50,600	1,21,17,80,002
INVESTMENTS - OTHERS	6	1,78,16,55,020	91,79,52,119
CURRENT ASSETS	7	23,43,42,262	55,37,39,552
LOANS, ADVANCES AND DEPOSITS	8	48,35,03,704	35,80,37,989
TOTAL		8,67,18,19,916	7,84,69,79,596

SIGNIFICANT ACCOUNTING POLICIES

23

CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

24

Date: The 25th June, 2025

Place: Silchar

Registrar

Director



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

Amount in Rupees

PARTICULARS	SCHEDULE	CURRENT YEAR	PREVIOUS YEAR
INCOME			
Academic Receipts	9	26,05,28,447	24,20,49,974
Grants /Subsidies	10	1,48,39,84,283	1,33,37,00,000
Income from Investment	11	2,91,21,467	7,14,00,203
Interest Earned	12	52,91,887	32,07,231
Other Income	13	7,11,69,671	19,43,94,384
Prior Period Income	14	-10,86,17,333	-
TOTAL (A)		1,74,14,78,422	1,84,47,51,792
APPLICATION OF FUNDS			
EXPENDITURE			
Staff Payment & Benefits (Establishment Expenses)	15	3,19,84,63,698	90,98,21,870
Academic Expenses	16	17,61,47,451	20,44,89,211
Administrative and General Expenses	17	17,93,39,717	24,02,73,881
Transportation Expenses	18	49,00,700	49,76,967
Repairs & Maintenance	19	15,35,39,309	5,92,89,374
Finance Costs	20	65,773	17,565
Depreciation	4	-10,86,17,333	13,80,99,162
Other Expenses	21	3,51,31,500	4,24,41,200
Prior Period Expenses	22	-	-
TOTAL (B)		3,63,89,70,815	1,59,94,09,230
Balance being excess of Exp. over Inc./ Inc. over Exp. (A-B) before adjust of IRG		-1,89,74,92,393	24,53,42,562
Less: Adjustment of IRG against excess expenditure during 2023-24			23,02,37,396
Transferred to Corpus Fund		-	-
Building Fund		-	-
Add: Appropriation of asset value adjusted with Capital fund during 2024-25		34,16,051	-
Balance Being Surplus / (Deficit) Carried to Capital Fund		-1,90,09,08,444	1,51,05,166

SIGNIFICANT ACCOUNTING POLICIES

23

CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

24

Date: The 25th June, 2025

Place: Silchar

Registrar

Director



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE - 1 : CAPITAL FUND

Amount in Rupees

Particulars		CURRENT YEAR	PREVIOUS YEAR
A.	CAPITAL FUND : Balance at the beginning of the year	5,65,19,50,862	5,63,67,73,409
Add:	Reappropriation of Capital Fund from Corpus of earlier year (as per Audit Comment pertaining to FY 2018-19 against excess of Inc. over Exp)	17,22,27,316	-
Less:	Excess of Expenditure over Income transferred from Income & Exp A/C	-1,90,09,08,444	1,51,05,166
Add:	Depreciation on Capital Assets	-10,86,17,333	13,80,99,162
Less:	Adjustment of excess expenditure related to FY 2023-24 as per direction of 98th BoG meeting	-	11,02,72,207
Total		4,03,18,87,066	5,40,35,07,205
Add:	Grants from Govt. of India to the extent utilized for Capital expenditure	32,68,95,429	24,60,10,887
Add:	IRG utilised for Capital exp	34,16,051	
Add:	Interest earned from investment on Corpus/Capital fund	1,22,315	4,84,558
Add:	Interest accrued during the year but not received	4,09,25,135	19,48,212
Add:	Unclaimed Liability W/off	45,67,414	-
BALANCE AT THE YEAR END		4,40,78,13,410	5,65,19,50,862

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE - 2 : DESIGNATED / EARMARKED / ENDOWMENT FUNDS

Amount in Rupees

Particulars	Fund wise Breakup					Total	
	Pension Fund	Depreciation Fund	Maintenance Fund	Staff Dev. Fund	Student Welfare Fund	Current Year	Previous Year
(1): A.							
a) Opening Balance	-	24,61,71,866	23,24,45,057	3,00,42,001	14,93,813	51,01,52,737	46,61,48,647
b) Additions during the year	11,53,67,477	27,08,187	8,21,458	13,79,090	-	12,02,76,212	1,29,10,975
c) Income from Investments made of the funds	-	13,13,659	14,26,655	-81,390	-	26,58,924	17,18,736
d) Accrued Interest on Investments	-	1,18,39,314	1,18,86,608	10,78,079	270	2,48,04,271	3,58,03,979
e) Interest on Savings Bank a/c.	-	7,08,567	5,49,600	85,430	-	13,43,597	44,772
f) Interest on TDS Received	-	-	-	-	-	-	-
Less: Excess Provision of TDS on accrued interest	-	-	-	-	-	-	-
Total (A)	11,53,67,477	26,27,41,593	24,71,29,378	3,25,03,210	14,94,083	65,92,35,742	51,66,27,109
B : Utilization /Expenditure towards objective of funds							
i) Capital Expenditure	-	-	-	-	-	-	-
ii) Revenue Expenditure	2,42,03,645	-	-	-	-	2,42,03,645	64,74,372
Total (B)	2,42,03,645	-	-	-	-	2,42,03,645	64,74,372
Closing balance at the year end (1) (A-B)	9,11,63,832	26,27,41,593	24,71,29,378	3,25,03,210	14,94,083	63,50,32,096	51,01,52,737
Represented by							
Cash and Bank Balances	-	7,04,302	5,44,368	1,62,339	93,813	15,04,822	16,82,827
Investment	-	18,26,23,500	18,14,37,000	2,27,90,000	14,00,000	38,82,50,500	35,69,60,134
SBI MF (Savings Fund)	-	4,24,50,000	3,90,00,000	18,00,000	-	8,32,50,000	8,32,50,000
Interest accrued but not due	-	2,64,01,256	2,30,08,383	14,78,183	270	5,08,88,091	5,16,29,846
TDS Receivable / Receivable from Institute	9,11,63,832	-	-	-	-	9,11,63,832	-
Balance lying with Institute A/c	-	1,05,62,535	31,39,628	62,72,688	-	1,99,74,851	1,66,29,930
Total	9,11,63,832	26,27,41,593	24,71,29,378	3,25,03,210	14,94,083	63,50,32,096	51,01,52,737



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE - 2 : DESIGNATED / EARMARKED / ENDOWMENT FUNDS

Particulars	Fund wise Breakup					Amount in Rupees	
	Instt. Dev. Fund	Employees Welfare Fund	Deptt. Promotion Fund	Virtual Class Room	NMEICT Fund	Total	
						Current Year	Previous Year
(2) : A.							
a) Opening Balance	61,69,342	12,39,095	61,69,342	1,91,656	1,42,420	1,39,11,855	1,38,49,813
b) Additions during the year	-	53,944	-	-	-	53,944	62,042
c) Income from Investments made of the funds	-	-	-	-	-	-	-
d) Accrued Interest on Investments/Advances	1,185	231	1,185	-	-	2,601	-
e) Interest on Savings Bank a/c.	-	-	-	-	-	-	-
f) Other additions (specify nature)	-	-	-	-	-	-	-
Total (A)	61,70,527	12,93,270	61,70,527	1,91,656	1,42,420	1,39,68,400	1,39,11,855
B : Utilization /Expenditure towards objective of funds							
i) Capital Expenditure	-	-	-	-	-	-	-
ii) Revenue Expenditure	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Total (B)	-	-	-	-	-	-	-
Closing balance at the year end (2): (A-B)	61,70,527	12,93,270	61,70,527	1,91,656	1,42,420	1,39,68,400	1,39,11,855
Represented by							
Cash and Bank Balances	9,342	39,095	9,342	-	-	57,779	-
Investment	61,60,000	12,00,000	61,60,000	-	-	1,35,20,000	-
Interest accrued but not due	1,185	231	1,185	-	-	2,601	-
Balance lying with Institute A/c	-	53,944	-	1,91,656	1,42,420	3,88,020	1,39,11,855
Total	61,70,527	12,93,270	61,70,527	1,91,656	1,42,420	1,39,68,400	1,39,11,855



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE - 2 : DESIGNATED / EARMARKED / ENDOWMENT FUNDS

Amount in Rupees

Particulars	Fund wise Breakup					Total	
		Student Aid Fund	Corpus Fund	Shubhankar Pandit		Current Year	Previous Year
(3) : A.							
a) Opening Balance	-	1,23,18,972	92,47,18,780	-	-	93,70,37,752	84,39,66,310
b) Additions during the year	-	11,65,478	31,95,810	5,25,000	-	48,86,288	46,59,894
c) Income from Investments made of the funds	-	-	17,24,323	-	-	17,24,323	66,73,658
d) Accrued Interest on Investments	-	2,440	4,67,15,282	23,221	-	4,67,40,943	8,16,46,766
e) Interest on Savings Bank a/c.	-	-	21,11,035	-	-	21,11,035	91,123
f) Interest on TDS Received	-	-	15,764	-	-	15,764	-
Less: Excess Provision of TDS on accrued interest	-	-	-	-	-	-	-
Less: Adjustment of Excess Inc over Exp. related to FY 2018-19 with Capital fund during the FY (as per Audit comment)	-	-	17,22,27,316	-	-	17,22,27,316	-
Total (A)	-	1,34,86,890	80,62,53,678	5,48,221	-	82,02,88,789	93,70,37,752
B : Utilization /Expenditure towards objective of funds							
i) Capital Expenditure	-	-	-	-	-	-	-
ii) Revenue Expenditure	-	-	-	-	-	-	-
Total (B)	-	-	-	-	-	-	-
Closing balance at the year end (3): (A-B)	-	1,34,86,890	80,62,53,678	5,48,221	-	82,02,88,789	93,70,37,752
Represented by							
Cash and Bank Balances	-	3,18,972	13,81,988	-	-	17,00,960	27,49,384
Investment	-	1,20,00,000	30,68,80,100	5,25,000	-	31,94,05,100	44,83,19,868
SBI MF (Savings Fund)	-	-	32,32,50,000	-	-	32,32,50,000	32,32,50,000
Interest accrued but not due	-	2,440	14,69,38,419	23,221	-	14,69,64,080	12,58,07,931
TDS Receivable	-	-	-	-	-	-	-
Balance lying with Institute A/c	-	11,65,478	2,78,03,170	-	-	2,89,68,648	3,69,10,568
Total	-	1,34,86,890	80,62,53,678	5,48,221	-	82,02,88,789	93,70,37,752
Closing balance at the year end (1+2+3)	9,73,34,359	27,75,21,753	1,05,95,53,583	3,32,43,087	16,36,503	1,46,92,89,285	1,46,11,02,344

Date: The 25th June, 2025
Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE : 2A : DESIGNATED / EARMARKED / ENDOWMENT FUNDS

Amount in Rupees

Sl. No.	Name of the Endowment	Opening Balance		Addition during the year		Total		Expenditure / Adjustment (if any) on the object during the year	Closing Balance		Total (10+11)
		Endowment	Accumulated Interest	Endowment	Interest	Endowment (3+5)	Accumulated Interest (4+6)		Endowment	Accumulated Interest	
1	2	3	4	5	6	7	8	9	10	11	12
1	Depreciation Fund	13,04,14,642	11,57,57,224	27,08,187	1,38,61,540	13,31,22,829	12,96,18,764	-	13,31,22,829	12,96,18,764	26,27,41,593
2	Maintenance Fund	12,09,05,746	11,15,39,312	8,21,458	1,38,62,863	12,17,27,204	12,54,02,175	0	12,17,27,204	12,54,02,175	24,71,29,378
3	Staff Dev. Fund	1,81,26,494	1,19,15,507	13,79,090	10,82,119	1,95,05,584	1,29,97,626	-	1,95,05,584	1,29,97,626	3,25,03,210
4	Student Welfare Fund	14,93,813	-	-	270	14,93,813	270	-	14,93,813	270	14,94,083
5	Instt. Dev. Fund	61,69,342	-	-	1,185	61,69,342	1,185	-	61,69,342	1,185	61,70,527
6	Employees Welfare Fund	12,39,095	-	53,944	231	12,93,039	231	-	12,93,039	231	12,93,270
7	Deptt. Promotion Fund	61,69,342	-	-	1,185	61,69,342	1,185	-	61,69,342	1,185	61,70,527
8	Virtual Class Room	1,91,656	-	-	-	1,91,656	-	-	1,91,656	-	1,91,656
9	NMEICT Fund	1,42,420	-	-	-	1,42,420	-	-	1,42,420	-	1,42,420
10	Pension Fund	-	-	11,53,67,477	-	11,53,67,477	-	2,42,03,645	9,11,63,832	-	9,11,63,832
11	Student Aid Fund	1,23,18,972	-	11,65,478	2,440	1,34,84,450	2,440	-	1,34,84,450	2,440	1,34,86,890
12	Corpus Fund	64,91,67,360	27,55,51,420	31,95,810	5,05,66,404	65,23,63,170	32,61,17,824	17,22,27,316	48,01,35,854	32,61,17,824	80,62,53,678
13	Shubhankar Pandit	-	-	5,25,000	23,221	5,25,000	23,221	-	5,25,000	23,221	5,48,221
	TOTAL	94,63,38,882	51,47,63,462	12,52,16,444	7,94,01,458	1,07,15,55,326	59,41,64,920	19,64,30,962	87,51,24,364	59,41,64,920	1,46,92,89,285

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE : 3 : CURRENT LIABILITIES AND PROVISIONS

Amount in Rupees

PARTICULARS	CURRENT YEAR	PREVIOUS YEAR
A. CURRENT LIABILITIES		
Deposits from staff	1,42,41,567	65,13,039
Deposits from Students	8,14,30,610	5,45,25,610
For Goods & Services	77,81,341	1,32,34,049
Others		
Deposits - Others (including EMD, Security Deposit & Project)	1,87,56,274	1,89,05,184
Statutory Liabilities (GSLI, P Tax, EPF, CPF)	2,06,28,930	1,25,14,375
Other Current Liabilities:		
Sponsored Project Liability (Including P Tax and others)	46,31,396	10,91,954
Receipts against sponsored projects	6,48,51,324	7,03,22,715
Receipts against sponsored fellowships & Scholarship	1,00,96,841	85,59,151
Unutilized /Deficit Grants :-		
Under Non Recurring Grants (OH-35)	-	-
Under Recurring Grants (OH-31)	-	-
Under Recurring Grants (OH-36)	2,70,48,739	-
TEQIP PHASE-I	-	10,31,65,960
TEQIP PHASE-II	-	9,60,64,457
Other funds including Sponsored Projects (Previous)	5,96,28,179	5,91,25,285
Other liabilities	26,03,13,489	28,99,04,611
Total (A)	56,94,08,690	73,39,26,390
B. PROVISIONS		
For Taxation	-	-
Gratuity	19,88,54,261	-
Superannuation Pension	1,77,08,87,184	-
Leave Encashment	25,55,67,086	-
Total (B)	2,22,53,08,531	-
TOTAL (A+B)	2,79,47,17,221	73,39,26,390

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE : 3A : SPONSORED PROJECTS FUND

Amount in Rupees

Sl. No.	Name of the Project	Opening Balance		Receipts during the year		Total	Expenditure during the year	Refund to Ministry/ Loan refund to Institute /*Payment of Statutory dues	Closing Balance	
		Credit	Debit	Grants	Interest/ Other Receipts				Credit	Debit
1	2	3	4	5	6	7	8	9	10	11
1	MCIT, Gol	6,66,396	-	-	22,823	6,89,219	-	-	6,89,219	-
2	DST, Gol	83,34,010	-	4,01,45,565	1,79,493	4,86,59,068	57,22,716	3,54,76,427	74,59,925	-
3	MNRE, Gol	-	-	-	-	-	-	-	-	-
4	MoESc., Gol	32,499	-	19,00,000	1,073	19,33,572	4,50,000	14,50,000	33,572	-
5	ICSSR	16,29,933	-	18,93,750	39,168	35,62,851	10,85,435	12,40,421	12,36,995	-
6	SERB, Gol	4,67,87,341	-	1,29,77,107	11,69,412	6,09,33,859	2,75,14,298	6,93,455	3,27,26,105	-
7	IBM	11,11,893	-	-	38,674	11,50,567	-	-	11,50,567	-
8	AICTE -RPS	1,86,513	-	-	6,487	1,93,000	-	-	1,93,000	-
9	AICTE -MODROBS	18,74,482	-	-	-	18,74,482	-	-	18,74,482	-
10	BRNS	3,05,393	-	-	10,622	3,16,015	-	-	3,16,015	-
11	KVIC	3,60,972	-	-	12,574	3,73,546	-	-	3,73,546	-
12	MEITY	-	-	1,17,10,379	-	1,17,10,379	77,66,545	39,43,834	-	-
13	SPARC	-	-	1,27,72,361	-	1,27,72,361	60,52,790	-	67,19,571	-
14	ASTEC	26,077	-	-	1,083	27,160	-	-	27,160	-
15	NMHS	3,82,278	-	39,72,500	28,515	43,83,293	11,70,745	-	32,12,548	-
16	MSME	1,324	-	-	36	1,360	-	-	1,360	-
17	CSIR	6,25,555	-	-	101	6,25,656	3,52,370	2,70,275	3,011	-
18	ARDB	6,59,191	-	29,40,644	49,540	36,49,375	19,33,398	1,17,633	15,98,344	-
19	APIN	28,15,913	-	1,759	12,931	28,30,603	26,98,243	-	1,32,360	-
20	IITGTIDF	36,93,244	-	38,00,000	1,28,129	76,21,373	24,70,394	3,60,000	47,90,979	-
21	Other Agency	11,89,702	-	15,75,000	4,503	27,69,205	6,52,472	-	21,16,733	-
22	NBHM	-	-	6,93,200	-	6,93,200	5,96,045	-	97,155	-
23	DBT	-	-	6,87,322	-	6,87,322	5,88,645	-	98,677	-
23	GIAN	-	-	27,24,000	-	27,24,000	24,27,296	2,96,704	-	-
TOTAL		7,06,82,715	-	9,77,93,587	17,05,164	17,01,81,465	6,14,81,392	4,38,48,749	6,48,51,324	-

Note: *During the FY 2024-25 correction made against refundable statutory dues related to earlier financial year which was not disclosed previously inadvertently against Gross receipt of Grant from IITGTID.

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE - 3 (1): SPONSORED PROJECTS FUNDS

Particulars	Fund wise Breakup											Amount in Rupees	
												Total	
	MCIT, Gol	DST	MOES	ICSSR	M N R E	MEITY	KVIC	NMHS	BRNS	MSME	IITGTIDF	Current Year	Previous Year
(1): A.													
a) Opening Balance	6,66,396	83,34,010	32,499	16,29,933	-	-	3,60,972	3,82,278	3,05,393	1,324	36,93,244	1,54,06,049	4,38,51,843
b) Additions during the year	-	4,01,45,565	19,00,000	18,93,750	-	1,17,10,379	-	39,72,500	-	-	38,00,000	6,34,22,194	5,16,15,031
c) Interest on Savings Bank a/c.	22,823	1,79,493	1,073	39,168	-	-	12,574	28,515	10,622	36	1,28,129	4,22,433	5,25,258
d) Other additions	-	-	-	-	-	-	-	-	-	-	-	-	-
e) Loan from Institute	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (A)	6,89,219	4,86,59,068	19,33,572	35,62,851	-	1,17,10,379	3,73,546	43,83,293	3,16,015	1,360	76,21,373	7,92,50,675	9,59,92,132
B : Utilization /Expenditure towards objective of funds													
i) Capital Expenditure													
Equipment	-	30,37,461	-	1,21,675	-	45,62,160	-	7,89,941	-	-	12,26,633	97,37,870	82,68,668
Computer	-	-	-	-	-	-	-	-	-	-	-	-	-
Software	-	-	-	-	-	-	-	-	-	-	-	-	-
Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Cost/ Assets	-	-	-	-	-	-	-	-	-	-	-	-	7,02,485
ii) Revenue Expenditure	-	26,85,255	4,50,000	9,63,760	-	32,04,385	-	3,80,804	-	-	12,43,761	89,27,965	94,45,685
iii) Refunded to Sanctioning Authority	-	3,54,76,427	14,50,000	12,40,421	-	39,43,834	-	-	-	-	-	4,21,10,682	6,21,69,246
iv) Refund of Loan to Institute/ SD Deposit	-	-	-	-	-	-	-	-	-	-	3,60,000	3,60,000	-
Total (B)	-	4,11,99,143	19,00,000	23,25,856	-	1,17,10,379	-	11,70,745	-	-	28,30,394	6,11,36,517	8,05,86,083
Closing balance at the year end (1) (A-B)	6,89,219	74,59,925	33,572	12,36,995	-	-	3,73,546	32,12,548	3,16,015	1,360	47,90,979	1,81,14,159	1,54,06,049



SCHEDULE - 3 (1): SPONSORED PROJECTS FUNDS

Particulars	Fund wise Breakup											Total	
	AICTE - RPS	AICTE - MODROB	I B M	S E R B	ASTEC	SPARC	APIN	CSIR	ARDB	OTHER AGENCY	NBHM	Current Year	Previous Year
(2) : A.													
a) Opening Balance	1,86,513	18,74,482	11,11,893	4,67,87,341	26,077	-	28,15,913	6,25,555	6,59,191	11,89,702	-	5,52,76,667	3,42,69,117
b) Additions during the year	-	-	-	1,29,77,107	-	1,27,72,361	1,759	-	29,40,644	15,75,000	6,93,200	3,09,60,071	6,18,53,322
c) Interest on Savings Bank a/c.	6,487	-	38,674	11,69,412	1,083	-	12,931	101	49,540	4,503	-	12,82,731	10,81,455
d) Other additions (specify nature)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (A)	1,93,000	18,74,482	11,50,567	6,09,33,859	27,160	1,27,72,361	28,30,603	6,25,656	36,49,375	27,69,205	6,93,200	8,75,19,468	9,72,03,894
B : Utilization /Expenditure towards objective of funds													
i) Capital Expenditure													
Equipment	-	-	-	1,41,84,024	-	-	31,593	-	7,69,826	2,09,172	-	1,51,94,615	97,68,806
Computer	-	-	-	-	-	-	-	-	-	-	-	-	-
Software	-	-	-	-	-	-	-	-	-	-	-	-	-
Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-
Books	-	-	-	-	-	-	-	-	-	-	-	-	-
ii) Revenue Expenditure	-	-	-	1,33,30,274	-	60,52,790	26,66,650	3,52,370	11,63,572	4,43,300	5,96,045	2,46,05,001	1,64,43,440
iii) Refunded to Sanctioning authority	-	-	-	6,93,455	-	-	-	2,70,275	1,17,633	-	-	10,81,363	1,57,14,981
iv) Refund of Loan to Institute	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (B)	-	-	-	2,82,07,754	-	60,52,790	26,98,243	6,22,645	20,51,031	6,52,472	5,96,045	4,08,80,980	4,19,27,227
Closing balance at the year end (2): (A-B)	1,93,000	18,74,482	11,50,567	3,27,26,105	27,160	67,19,571	1,32,360	3,011	15,98,344	21,16,733	97,155	4,66,38,489	5,52,76,667



SCHEDULE - 3 (1): SPONSORED PROJECTS FUNDS

Particulars	Fund wise Breakup											Total	
	DBT	GIAN										Current Year	Previous Year
(3) : A.													
a) Opening Balance	-	-									-	-	-
b) Additions during the year	6,87,322	27,24,000										34,11,322	-
c) Interest on Savings Bank a/c.	-	-										-	-
d) Other additions (specify nature)	-	-										-	-
Total (A)	6,87,322	27,24,000	-	-	-	-	-	-	-	-	-	34,11,322	-
B : Utilization /Expenditure towards objective of funds													
i) Capital Expenditure													
Equipment	-	-	-								-	-	-
Computer	-	-	-	-	-	-	-	-	-	-	-	-	-
Software	-	-	-	-	-	-	-	-	-	-	-	-	-
Furniture	-	-	-	-	-	-	-	-	-	-	-	-	-
Books	-	-	-	-	-	-	-	-	-	-	-	-	-
ii) Revenue Expenditure	5,88,645	24,27,296	-									30,15,941	-
iii) Refunded to Sanctioning authority	-	-	-									-	-
iv) Refund of Loan to Institute	-	2,96,704										2,96,704	-
Total (B)	5,88,645	27,24,000	-	-	-	-	-	-	-	-	-	33,12,645	-
Closing balance at the year end (3): (A-B)	98,677	-	-	-	-	-	-	-	-	-	-	98,677	-
Closing balance at the year end (1+2+3)	9,80,896	93,34,407	11,84,139	3,39,63,100	27,160	67,19,571	5,05,906	32,15,559	19,14,359	21,18,093	48,88,134	6,48,51,324	7,06,82,715

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE : 3B : SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

Amount in Rupees

Sl. No.	Name of the Sponsors	Opening Balance		Transction during the year		Closing Balance as on 31.03.2025	
		Credit	Debit	Credit	Debit	Credit	Debit
1	2	3	4	5	6	7	8
1	Various Agencies	85,59,151	-	45,72,017	30,34,327	1,00,96,841	-
Total		85,59,151	-	45,72,017	30,34,327	1,00,96,841	-

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE 4 - FIXED ASSETS

Amount in Rupees

SL. No	Assets Heads	Gross Block				Depreciation for the Year 2024-25				Net Block	
	TANGIBLE ASSETS	Opening Balance as on 01.04.2024	Additions	Deduction	Cl. Balance	Dep. Opening Balance	Depreciation for the Year	Deductions/ Adjustment (due to change in policy)	Total Depreciations	31.03.2025	31.03.2024
1	Land	8,66,458	-	-	8,66,458	-	-	-	-	8,66,458	8,66,458
2	Site & Campus Development	9,09,57,144	20,38,278	-	9,29,95,422	3,11,07,548	-	3,11,07,548	0	9,29,95,422	5,98,49,596
3	Buildings	5,31,72,68,645	1,41,94,265	-	5,33,14,62,910	1,71,44,89,086	8,53,83,991	31,40,81,806	1,48,57,91,271	3,84,56,71,640	3,60,27,79,559
4	Roads & Bridges	13,32,23,044	2,23,76,459	-	15,55,99,503	4,06,13,509	26,18,636	76,31,002	3,56,01,143	11,99,98,360	9,26,09,535
5	Tubewells & Water Supply	18,66,69,332	-	-	18,66,69,332	7,48,06,654	26,62,298	1,06,09,562	6,68,59,390	11,98,09,942	11,18,62,678
6	Sewerage & Drainage	6,30,15,618	-	-	6,30,15,618	1,43,70,348	11,45,061	42,32,909	1,12,82,500	5,17,33,118	4,86,45,270
7	Electrical Installation & Equipment	12,14,18,004	1,22,81,675	-	13,36,99,679	5,71,56,606	52,18,687	1,31,51,690	4,92,23,603	8,44,76,076	6,42,61,398
8	Plant & Machinery	13,47,78,969	11,86,304	-	13,59,65,273	9,36,40,874	31,44,733	1,01,95,352	8,65,90,254	4,93,75,018	4,11,38,095
9	Scientific & Laboratory Equipment	50,55,33,221	2,50,27,051	-	53,05,60,272	31,76,30,579	2,51,39,132	2,09,79,689	32,17,90,022	20,87,70,250	18,79,02,643
10	Office Equipment	2,15,55,050	-	-	2,15,55,050	1,73,01,201	5,50,760	8,22,557	1,70,29,404	45,25,646	42,53,849
11	Audio Visual Equipment	2,16,89,792	8,30,854	-	2,25,20,646	1,05,71,737	12,25,701	4,98,498	1,12,98,940	1,12,21,706	1,11,18,055
12	Computers & Peripherals	26,21,47,709	7,20,64,297	-	33,42,12,006	21,98,74,174	3,47,63,091	-95,93,108	26,42,30,373	6,99,81,633	4,22,73,535
13	Furniture, Fixtures & Fittings	21,99,01,864	33,22,342	-	22,32,24,206	11,80,66,947	1,08,08,627	-5,07,509	12,93,83,083	9,38,41,123	10,18,34,917
14	Vehicles	70,13,115	8,47,100	-	78,60,215	60,63,296	2,90,897	2,87,302	60,66,891	17,93,325	9,49,819
15	Lib. Books & Scientific Journals	7,88,26,558	44,84,157	-	8,33,10,715	6,81,14,482	28,36,103	32,61,356	6,76,89,229	1,56,21,486	1,07,12,076
16	Other Assets	16,20,18,742	3,04,540	-	16,23,23,282	10,66,16,376	1,70,66,442	-1,49,21,273	13,86,04,091	2,37,19,191	5,54,02,366
Total (A)		7,32,68,83,265	15,89,57,322	-	7,48,58,40,587	2,89,04,23,416	19,28,54,158	39,18,37,382	2,69,14,40,193	4,79,44,00,394	4,43,64,59,849
17	Capital Works in Progress (B)	5,73,31,393	11,25,00,000	60,29,191	16,38,02,202	-	-	-	-	16,38,02,202	5,73,31,393
INTANGIBLE ASSETS :											
18	Computer Software	13,18,62,714	1,69,37,415	-	14,88,00,129	8,95,53,555	89,48,545	-3,94,38,946	13,79,41,046	1,08,59,082	4,23,09,159
19	E- Books (Perpetuel Assets)	3,40,93,843	83,14,247	-	4,24,08,090	-	-	-	-	4,24,08,090	3,40,93,843
20	E-Journals	32,48,82,138	3,66,51,080	-	36,15,33,218	29,11,89,977	3,59,15,220	-33,37,211	33,04,42,408	3,10,90,810	3,36,92,161
21	E Books	1,13,11,248	29,80,607	28,69,081	1,14,22,774	64,53,306	21,02,515	-6,23,453	91,79,274	22,43,500	19,88,861
22	Patents	3,64,251	-	-	3,64,251	-	-	-	-	3,64,251	3,64,251
Total (C)		50,25,14,194	6,48,83,349	28,69,081	56,45,28,462	38,71,96,838	4,69,66,280	-4,33,99,611	47,75,62,729	8,69,65,733	11,24,48,275
23	TEQIP I Assets (D)	10,31,65,960	-	10,31,65,960	-	-	-	-	-	-	10,31,65,960
24	TEQIP II Assets (E)	9,60,64,457	-	9,60,64,457	-	-	-	-	-	-	9,60,64,457
Grand Total (A+B+C+D+E)		8,08,59,59,270	33,63,40,671	20,81,28,689	8,21,41,71,252	3,27,76,20,254	23,98,20,438	34,84,37,771	3,16,90,02,921	5,04,51,68,330	4,80,54,69,934

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE 4(C) (I) - PATENTS AND COPYRIGHTS

Particulars	Op Balance 01.04.2024	Additions	Gross	Amortization	Amount in Rupees	
					Net Block 2024-25	Net Block 2023-24
A. Patents Granted						
1. Balance as on 31.03.2016 of Patents obtained in 2008-09 (Original Value - Rs.)	-	-	-	-	-	-
2. Balance as on 31.03.2016 of Patents obtained in 2010-11 (Original Value - Rs.)	-	-	-	-	-	-
3. Balance as on 31.03.2016 of Patents obtained in 2012-13 (Original Value - Rs.)	-	-	-	-	-	-
4. Patents granted during the Current Year	-	-	-	-	-	-
Total	-	-	-	-	-	-
Particulars	Op Balance	Additions	Gross	Amortization	Net Block 2024-25	Net Block 2023-24
B. Patents Pending in respect of Patents applied for:						
1. Expenditure incurred during 2015-16	42,180	-	42,180	-	42,180	42,180
2. Expenditure incurred during 2016-17	83,551	-	83,551	-	83,551	83,551
3. Expenditure incurred during 2017-18	1,25,790	-	1,25,790	-	1,25,790	1,25,790
4. Expenditure incurred during 2018-19	47,730	-	47,730	-	47,730	47,730
5. Expenditure incurred during 2019-20	-	-	-	-	-	-
6. Expenditure incurred during 2020-21	-	-	-	-	-	-
7. Expenditure incurred during 2021-22	-	-	-	-	-	-
8. Expenditure incurred during 2022-23	65,000	-	65,000	-	65,000	65,000
9. Expenditure incurred during 2023-24	65,000	-	65,000	-	65,000	65,000
10. Expenditure incurred during 2024-25	65000	-	65000	-	65,000	65,000
Total	4,94,251	-	4,94,251	-	4,94,251	4,94,251
Grand Total (A+B)	4,94,251	-	4,94,251	-	4,94,251	4,94,251

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE : 5 : INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS

Amount in Rupees

PARTICULARS	CURRENT YEAR	PREVIOUS YEAR
1. In Central Government Securities	-	-
2. In State Government Securities	-	-
3. Other approved Securities	-	-
4. Shares	-	-
5. SBI Mutual Fund : Saving Fund	40,65,00,000	40,65,00,000
6. Term Deposits with Banks		
Investment of Corpus Fund	30,68,80,100	44,83,19,868
Investment of Corpus Fund / Capital Fund	-	-
Investment of Depreciation Fund	18,26,23,500	16,97,33,248
Investment of Maintenance Fund	18,14,37,000	16,81,69,399
Investment of Staff Development Fund	2,27,90,000	1,90,57,487
Investment of Students Welfare Fund	14,00,000	-
Investment of Institute Development Fund	61,60,000	-
Investment of Employees Welfare Fund	12,00,000	-
Investment of Dept. Promotional Fund	61,60,000	-
Investment of Student Aided Fund	1,20,00,000	-
7. Others	-	-
Total	1,12,71,50,600	1,21,17,80,002

SCHEDULE : 6 : INVESTMENTS - OTHERS

PARTICULARS	CURRENT YEAR	PREVIOUS YEAR
1. In Central Government Securities	-	-
2. In State Government Securities	-	-
3. Other approved Securities	-	-
4. Shares	-	-
5. Debantures and Bonds	-	-
6. Term Deposits with Banks: Short Term Deposit Receipt	-	-
Investment of Corpus Fund / Capital Fund from Non-Plan (General)	1,54,13,87,643	67,76,84,742
7. Others : Margin Money Account (L.C.) / Mutual Fund	24,02,67,377	24,02,67,377
Total	1,78,16,55,020	91,79,52,119

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR														
SCHEDULE SHOWING INVESTMENTS OF EARMARKED AND OTHER FUNDS AS ON 31.03.2025 (Corresponding to Schedule - 5 & 6)														
Sl	Bank	F.D No	Date	Face Value as on 31.03.2024	Adjustment of FV till 31/03/2024 made on 31/03/2025	Addition during 2024-25	Matured / encashed during 2024-25	Face Value as on 31.03.2025	Accrued Interests Upto 31.03.2024	Adjustment of Earned Accrued Int till 31/03/2024 made on 31/03/2025	Accrued Interest earned during 2024-25	Accrued Intt. Recd. during 2024-25	Interest Recd during 2024-25	Accrued Interests Upto 31.03.2025
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	Corpus Fund													
1	SBI NIT Sil	39238647608	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
2	- do -	39238648931	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
3	- do -	39238649059	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
4	- do -	39238649082	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
5	- do -	39238649117	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
6	- do -	39238649151	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
7	- do -	39238649195	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
8	- do -	39238649220	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
9	- do -	39238649253	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
10	- do -	39238649311	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
11	- do -	39238649297	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
12	- do -	39238649355	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
13	- do -	39238649446	27.03.2020	99,66,926	-	-	99,66,926	-	9,486	-	-	9,486	1,28,024	-
14	- do -	39238649661	27.03.2020	46,71,997	-	-	46,71,997	-	4,447	-	-	4,447	60,011	-
15	- do -	41799571729	31.03.2023	31,40,77,833	-	-	31,40,77,833	-	2,54,57,029	-	-	2,54,57,029	-	-
16	- do -	43327114011	07-09-2024	-	-	30,68,80,100	-	30,68,80,100	-	-	1,30,59,943	-	-	1,30,59,943
17	- do -	SBI Saving Fund	31.03.2020	32,32,50,000	-	-	-	32,32,50,000	10,02,23,137	-	3,36,55,339	-	-	13,38,78,476
TOTAL (A)				77,15,69,868	-	30,68,80,100	44,83,19,868	63,01,30,100	12,58,07,931	-	4,67,15,282	2,55,84,794	17,24,323	14,69,38,419
B	Depreciation Fund													
1	SBI NIT Sil	38362321545	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
2	- do -	38362340422	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
3	- do -	38362341299	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
4	- do -	38362345227	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
5	- do -	38362345884	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
6	- do -	38362346468	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
7	- do -	38362347075	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
8	- do -	38362347532	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
9	- do -	38362348308	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
10	- do -	38362348807	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
11	- do -	38362349469	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
12	- do -	38362350779	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
13	- do -	38362351503	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
14	- do -	38362353747	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
15	- do -	38362341903	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
16	- do -	39238649923	27.03.2020	77,93,178	-1,26,219	-	76,66,959	-	7,292	-	-	7,292	91,958	-



Sl	Bank	F.D No	Date	Face Value as on 31.03.2024	Adjustment of FV till 31/03/2024 made on 31/03/2025	Addition during 2024-25	Matured / encashed during 2024-25	Face Value as on 31.03.2025	Accrued Interests Upto 31.03.2024	Adjustment of Earned Accrued Int till 31/03/2024 made on 31/03/2025	Accrued Interest earned during 2024-25	Accrued Intt. Recd. during 2024-25	Interest Recd during 2024-25	Accrued Interests Upto 31.03.2025
17	- do -	39238649876	27.03.2020	99,66,925	-	-	99,66,925	-	9,486	-	-	9,486	1,25,975	-
18	- do -	43357329188	18-09-2024	-	-	18,26,23,500	-	18,26,23,500	-	-	73,52,896	-	-	73,52,896
19	- do -	SBI Saving Fund	31.03.2020	4,24,50,000	-	-	-	4,24,50,000	1,45,61,942	-	44,86,418	-	-	1,90,48,360
TOTAL (B)				21,21,83,248	-1,26,219	18,26,23,500	16,96,07,029	22,50,73,500	2,55,03,520	-	1,18,39,314	1,09,41,578	14,39,878	2,64,01,256
C	Maintenance Fund													
1	SBI NIT Sil	38362366451	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
2	- do -	38362367159	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
3	- do -	38362367692	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
4	- do -	38362368244	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
5	- do -	38362368890	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
6	- do -	38362329758	30.03.2019	10131543	-	-	10131543	-	7,28,320	-	-	7,28,320	81,463	-
7	- do -	38362361588	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
8	- do -	38362362344	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
9	- do -	38362362821	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
10	- do -	38362363201	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
11	- do -	38362363788	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
12	- do -	38362364238	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
13	- do -	38362364737	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
14	- do -	38362365209	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
15	- do -	38362365804/44	30.03.2019	1,01,31,543	-	-	1,01,31,543	-	7,28,320	-	-	7,28,320	81,463	-
16	- do -	39238649990	27.03.2020	80,98,127	-	-	80,98,127	-	7,707	-	-	7,707	1,02,355	-
17	- do -	39238649956	27.03.2020	80,98,127	-	-	80,98,127	-	7,707	-	-	7,707	1,02,355	-
18	- do -	43327118152	#####	-	-	18,14,37,000	-	18,14,37,000	-	-	77,21,442	-	-	77,21,442
19	- do -	SBI MMD Fund	31.03.2020	3,90,00,000	-	-	-	3,90,00,000	1,11,21,774	-	41,65,166	-	-	1,52,86,941
TOTAL (C)				20,71,69,399	-	18,14,37,000	16,81,69,399	22,04,37,000	2,20,61,988	-	1,18,86,608	1,09,40,214	14,26,655	2,30,08,383
D	Staff Development Fund													
1	SBI NIT Sil	38362419100	30.03.2019	91,54,984	-	-	91,54,984	-	18,31,761	-45,419	-	17,86,342	-	-
2	- do -	38362419564	30.03.2019	91,54,984	-	-	91,54,984	-	18,31,761	-45,419	-	17,86,342	-	-
3	- do -	39238648454	27.03.2020	7,47,519	-	-	7,47,519	-	712	-	-	712	9,448	-
4	- do -	43357304061	18-09-2024	-	-	2,27,90,000	-	2,27,90,000	-	-	9,17,585	-	-	9,17,585
5	- do -	SBI Saving Fund	31.03.2020	18,00,000	-	-	-	18,00,000	4,00,104	-	1,60,494	-	-	5,60,598
TOTAL (D)				2,08,57,487	-	2,27,90,000	1,90,57,487	2,45,90,000	40,64,338	-90,838	10,78,079	35,73,396	9,448	14,78,183
E	Earmarked_OTHER													
1	SBI NIT Sil	43960056473_SWF A/c	31-03-2025	-	-	14,00,000	-	14,00,000	-	-	270	-	-	270
2	- do -	43960140173_EWF A/c	31-03-2025	-	-	12,00,000	-	12,00,000	-	-	231	-	-	231
3	- do -	43960169931_IDF A/c	31-03-2025	-	-	61,60,000	-	61,60,000	-	-	1,185	-	-	1,185
4	- do -	43960170174_DPF A/c	31-03-2025	-	-	61,60,000	-	61,60,000	-	-	1,185	-	-	1,185
5	- do -	43960184916_SAF A/c	31-03-2025	-	-	1,20,00,000	-	1,20,00,000	-	-	2,440	-	-	2,440
TOTAL (E)				-	-	2,69,20,000	-	2,69,20,000	-	-	5,311	-	-	5,311



Sl	Bank	F.D No	Date	Face Value as on 31.03.2024	Adjustment of FV till 31/03/2024 made on 31/03/2025	Addition during 2024-25	Matured / encashed during 2024-25	Face Value as on 31.03.2025	Accrued Interests Upto 31.03.2024	Adjustment of Earned Accrued Int till 31/03/2024 made on 31/03/2025	Accrued Interest earned during 2024-25	Accrued Intt. Recd. during 2024-25	Interest Recd during 2024-25	Accrued Interests Upto 31.03.2025
Total Earmarked Fund F = (A+B+C+D+E)				1,21,17,80,002	-1,26,219	72,06,50,600	80,51,53,783	1,12,71,50,600	17,74,37,778	-90,838	7,15,24,594	5,10,39,982	46,00,304	19,78,31,552
G	RECURRING/NONRECURRING													
1	SBI NIT Sil	40888185606:Fee A/c	31.03.2022	43,57,078	-1,47,544	-	42,09,534	-	800	-	-	800	-	-
2	- do -	43327149179:Fee A/c	07-09-2024	-	-	31,02,70,000	-	31,02,70,000	-	-	1,32,04,207	-	-	1,32,04,207
3	- do -	43956668585:Fee A/c	29-03-2025	-	-	32,25,00,000	-	32,25,00,000	-	-	2,00,073	-	-	2,00,073
4	- do -	40888185414	31.03.2022	2,20,75,862	-8,15,890	-	2,12,59,972	-	1,563	-	-	1,563	-	-
5	- do -	40888185561	31.03.2022	88,73,513	-2,98,744	-	85,74,769	-	1,629	-	-	1,629	-	-
6	- do -	40888185516	31.03.2022	2,20,75,862	-8,15,890	-	2,12,59,972	-	1,563	-	-	1,563	-	-
7	- do -	40888188244	31.03.2022	2,20,75,862	-8,15,890	-	2,12,59,972	-	1,563	-	-	1,563	-	-
8	- do -	40888185276	31.03.2022	11,61,888	-39,118	-	11,22,770	-	214	-	-	214	-	-
9	- do -	40888185232	31.03.2022	11,61,888	-39,118	-	11,08,857	-	214	-	-	214	-	-
10	- do -	40888183165	31.03.2022	11,61,888	-39,118	-	11,08,857	-	214	-	-	214	-	-
11	- do -	41799573330	31.03.2023	58,50,92,900	-	-	58,50,92,900	-	4,74,23,680	-	-	4,74,23,680	-	-
17	- do -	SBI Saving Fund_Earmarked	31.03.2022	20,29,11,460	-	-	-	20,29,11,460	2,45,40,431	-	1,77,46,265	-	-	4,22,86,696
18	- do -	SBI Saving Fund_Fee A/c	31.03.2022	1,12,50,000	-	-	-	1,12,50,000	13,47,791	-	9,82,234	-	-	23,30,025
TOTAL (G)				88,21,98,201	-30,11,312	63,27,70,000	66,49,97,603	84,69,31,460	7,33,19,662	-	3,21,32,779	4,74,31,440	-	5,80,21,001
H	Corpus / Capital Fund													
1	SBI NIT Sil	40888185072	31.03.2022	55,43,570	-	-	55,43,570	-	1,067	-	-	1,067	70,281	-
2	- do -	40888185775	31.03.2022	41,04,431	-	-	41,04,431	-	790	-	-	790	52,034	-
3	- do -	43327136782	07-09-2024	-	-	90,80,92,643	-	90,80,92,643	-	-	3,86,45,835	-	-	3,86,45,835
4	- do -	SBI Saving Fund	31.3.2022	2,61,05,917	-	-	-	2,61,05,917	31,27,604	-	22,79,300	-	-	54,06,904
TOTAL (H)				3,57,53,918	-	90,80,92,643	96,48,001	93,41,98,560	31,29,461	-	4,09,25,135	1,857	1,22,315	4,40,52,739
I	Award Fund													
1	SBI NIT Sil	43238085464	08.08.2024	-		5,25,000	-	5,25,000	-		23,221	-	-	23,221
TOTAL J = (G+H+I)				91,79,52,119	-30,11,312	1,54,13,87,643	67,46,45,604	1,78,16,55,020	7,64,49,123	-	7,30,81,135	4,74,33,297	1,22,315	10,20,96,960
Grand Total K = (F+J)				2,12,97,32,121	-31,37,531	2,26,20,38,243	1,47,97,99,387	2,90,88,05,620	25,38,86,900	-90,838	14,46,05,729	9,84,73,279	47,22,619	29,99,28,512

Note:

1. Consolidated STDR valuation as on 31/03/2025	1,48,29,64,744	-31,37,531	2,26,20,38,243	1,47,97,99,387	2,26,20,38,243	9,85,64,117	-90,838	8,11,30,513	9,84,73,279	47,22,619	8,11,30,513
2. Consolidated MF valuation as on 31/03/2025	64,67,67,377	-	-	-	64,67,67,377	15,53,22,783	-	6,34,75,216	-	-	21,87,97,999
Total	2,12,97,32,121	-31,37,531	2,26,20,38,243	1,47,97,99,387	2,90,88,05,620	25,38,86,900	-90,838	14,46,05,729	9,84,73,279	47,22,619	29,99,28,512

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE : 7 : CURRENT ASSETS

PARTICULARS	Amount in Rupees	
	CURRENT YEAR	PREVIOUS YEAR
1. STOCKS:		
a) Storers and spares	-	-
b) Loose Tools	-	-
c) Publications	-	-
d) Laboratory Chemicals	-	-
e) Building materials	-	-
f) Electrical Materials	-	-
g) Stationery	-	-
h) Water supply materials	-	-
2. SUNDRY DEBTORS	-	-
a) Debts outstanding for a period exceeding six months	68,672	68,672
b) Others	-	-
3. CASH AND BANK BALANCES		
Cash in hand	-	1,576
<u>Cash at Bank:</u>		
A) With Scheduled Banks:		
In Current Accounts	13,15,36,442	28,00,41,676
In Savings Accounts	10,27,37,148	27,36,27,627
Total	23,43,42,262	55,37,39,552



SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE : 7 (A) ANNEXURE - CURRENT ASSETS

Amount in Rupees

PARTICULARS	CURRENT YEAR	PREVIOUS YEAR
With Scheduled Banks:		
In Current Accounts		
SBI-10521277057 (NON PLAN)	2,90,21,913	7,73,62,902
SBI-10521277068 (PLAN GRANT)	9,60,69,380	5,86,93,393
SBI-34999649864 ONLINE FEE A/C	31,32,351	12,81,07,125
HDFC A/C No.-50200039712972 (Plan)	33,12,797	1,58,78,256
Total	13,15,36,442	28,00,41,676
In Savings Accounts		
SBI-10521277818 (CORPUS FUND)	13,81,988	27,49,384
SBI-30052416379 (STAFF DEV FUND)	1,62,339	1,56,577
SBI-30052438520 (DEPRECIATION FUND)	7,04,302	6,30,750
SBI-30052443879 (MAINT.FUND)	5,44,368	8,95,500
AXIS-910010049704315 (PLAN)	14,22,827	10,84,146
SBI-10521278244 (SCHOLARSHIP)	1,22,08,445	1,00,97,301
SBI-30763009570 (NONPLAN FEE)	41,70,956	17,37,85,843
SBI-38478849539 (E-Tendering A/c)	1,08,18,932	1,09,87,605
SBI-36535392913 (AWARD FUND)	8,39,484	5,24,455
SBI-36017852338 (START UP INDIA FUND)	1,063	1,035
SBI-39745824808 (QIP A/C)	24,482	23,833
SBI-40593349332 (Conference A/C)	17,30,464	38,20,182
SBI-43957044065 (Student Welfare Fund A/c)	93,813	-
SBI-43959824510 (Instituet Development Fund A/c)	9,342	-
SBI-43959797006 (Employees Welfare Fund A/c)	39,095	-
SBI-43959797200 (Departmental Promotioon Fund A/c)	9,342	-
SBI-43957047168 (Student Aided Fund A/c)	3,18,972	-
SBI-30293190682 (TUC)	8,404	8,404
SBI-35538434664 (IEDC / DST)	71,15,368	87,23,988
SBI-30033506221 (SMDP)	1	1
SBI-34671803739 (AM&MT/FIST)	3,51,891	3,42,567
SBI-30780415571 (RPS SCHEME)	1,03,44,780	86,77,146



SBI-30780416041 (MODROBS)	18,74,482	18,74,482
SBI-31306562769 (BEHAVIOUR OF CLAY/MoESc)	9,863	9,602
SBI-37093726031 (NHMS)	2,64,324	33,062
SBI-31306566082(REG EXTREME RAINFALL)	30,627	29,815
SBI-37808839310 (ARDB)	15,30,629	6,58,425
SBI 38599144369 (SERB)	3,25,76,422	4,67,77,638
SBI 38692109587 (SPARC)	1	1
SBI 39925901632 (MEITY)	1	1
SBI 39948676664 (ICSSR)	29	5,695
SBI 40466162099 (MSME)	1,360	1,324
SBI 42255335911 (CSIR)	-	1,39,500
SBI 40587689627 (ICSIR 1)	12,00,988	15,89,366
SBI- 41317958299 (SPARC 3614 CNA)	67,19,571	-
SBI- 42788249924 (NMHS)	15,86,508	-
SBI- 42455784700 (NBHM 3758)	97,155	-
Canara Bank- 110233491377 (NMHS_2)	12,42,500	-
Canara Bank- 11022188650 (Foex)	33,02,030	-
Total	10,27,37,148	27,36,27,627

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2025

SCHEDULE : 8 : LOANS, ADVANCE AND DEPOSITS

Amount in Rupees

PARTICULARS	CURRENT YEAR	PREVIOUS YEAR
1. Advances to employees (Non-interest bearing) :		
Loan to Staff	42,389	36,789
HTC Advance	-	22,000
LTC Advance	6,35,403	9,03,560
Other Advance To Employees (for Medical treatment)	-	-
Recoverable Advance	1,58,86,543	3,76,55,802
TA Advance	11,97,561	20,66,854
2. Long Term Advances to employees: (Interest bearing) :		
Vehicle Loan	-	-
Home Loan	-	-
Soft Loan	1,34,844	2,59,603
3. Advances & other amt recoverable in cash or in kind or for value to be received :		
On Capital Account:		-
Deposit Work	28,28,318	28,28,318
Secured Advance	-	-
Advance - PHE Water Supply	124	124
Margin Money for LC	-	-
Suppliers/Firm	-	-
Electricity Consumption Receivable	1,11,649	3,29,057
Receivable from Project overhead (Project overhead)	-	48,400
House Rent / Licence Fee receivable	27,157	37,140
Shop & Canteen Rent receivable	12,829	1,38,988
Receivable from Mtech 1st Sem 2020 Betch	3,600	3,600
Receivable against Start Up India (Project)	15,61,301	15,61,301
Receivable from NE Books	-	-
DST Receivable	-	-
Receivable from Ashim Kumar Das (I Tax)	8,040	8,040
Receivable from Consultancy	-	-
Receivable from Scholarship Fund	12,82,766	12,82,766
SMDP Project Receivable	-	-
RPS Project Receivable	-	-
Income Tax Salary receivable	2,27,680	4,16,990
Receivable from DK Baidya	13,467	13,467



PARTICULARS	CURRENT YEAR	PREVIOUS YEAR
Receivable from CP Fund Account	1,70,000	1,70,000
Receivable from AICTE Mentor Mentee Programme	1,51,291	
Receivable from CPCB training Programme	4,790	
Receivable from Niharendu Dhar	666	
Receivable from Pulak Nath	540	
4. Prepaid Expenses :		
Insurance	22,26,056	20,73,402
Against E Journal	1,58,32,483	3,28,68,360
E Books	47,23,249	13,93,855
5. Deposits :		
APDCL (Electricity)	54,49,323	54,49,323
AICTE	-	-
SBI ATM (TDR)	10,000	10,000
Security for POL	-	-
Security against LPG	46,200	46,200
6. Income Accrued :		
On investments from Earmarked / Endowment Fund	19,78,31,552	17,74,37,778
On Investment - Others	10,20,96,960	7,64,49,123
On Loans and Advances		-
Others (including income due unrealized)		-
7. Other - Current assets receivable from UGC /Sponsored projects :		
Debit balances in Sponsored Projects		-
Debit balances in sponsored Fellowship & Scholarships		-
Grants receivable		-
Grants receivable from UGC		-
Recoverable from MR Staff (EPF Subscription)		27,08,310
TDS Receivable	-	-
TDS Receivable- Sponsored Project	67,704	-
TDS Receivable- Others (Non Plan)	14,51,781	10,02,265
Adv to Firm- Balmer lawrie	51,91,430	51,91,430
8. Claims receivable :		
Institute Fund	12,31,17,926	31,30,646
Project Account	11,58,082	24,94,498
Total	48,35,03,704	35,80,37,989

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM

SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 9- ACADEMIC RECEIPTS

Amount in Rupees

FEES FROM STUDENTS	CURRENT YEAR	PREVIOUS YEAR
Academic		
1. Tuition fee	21,02,70,854	19,80,21,636
2. Admission fee	87,87,000	85,51,100
3. Enrolment fee	-	-
4. Library Admission fee	47,32,580	46,52,508
5. Laboratory fee - I T System fee	1,01,75,930	91,95,800
6. Art & Craft fee	-	-
7. Registration fee / Institutional fee	-	-
8. Syllabus fee	-	-
Total (A)	23,39,66,364	22,04,21,044
Examinations		
1. Admission test fee	-	-
2. Annual Examination fee	1,15,33,701	88,75,639
3. Mark sheet, certificate fee	-	-
4. Entrance fee	-	-
Total (B)	1,15,33,701	88,75,639
Others Fees		
1. Identity card fee	-	-
2. Fine/Miscellaneous fee	11,65,796	11,16,990
3. Medical fee	30,09,430	30,26,350
4. Transportation fee	42,11,900	34,84,800
5. Hostel fee - Light & Water charges	-	-
6. Migration fee	-	-



FEES FROM STUDENTS	CURRENT YEAR	PREVIOUS YEAR
7. Summer term course fee	9,99,000	-
8. Convocation fee	11,68,756	6,23,251
Total (C)	1,05,54,882	82,51,391
Sale of Publications		
1. Sale of Admission forms	-	-
2. Sale of syllabus and question paper, etc.	-	-
3. Sale of prospectus including admission forms	-	-
Total (D)	-	-
Other Academic Receipts		
1. Registration fee for workshops, training programmes	-	-
2. Registration fee (Academic Staff College)	-	-
3. Training & Placement	44,73,500	45,01,900
Total (E)	44,73,500	45,01,900
Grand Total (A+B+C+D+E)	26,05,28,447	24,20,49,974

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 10- GRANTS/SUBSIDIES (IRRECOVERABLE GRANTS RECEIVED)

Amount in Rupees

Particulars	Current Year				Previous Year			
	OH-35 (Creation of Assets)	OH-31 (Recurring General)	OH-36 (Salaries)	Current Year Total	OH-35 (Creation of Assets)	OH-31 (Recurring General)	OH-36 (Salaries)	Current Year Total
Balance B/F	-	-	-	-	-4,44,32,216	-21,02,72,207	-7,65,73,181	-33,12,77,604
Add: Adjustment of IRG from current FY 2024-25	-	3,82,95,334	-	3,82,95,334	4,44,32,216	10,00,00,000	7,65,73,181	22,10,05,397
Add: Adjustment of Capital from prev. FY 2022-23	-	-	-	-	-	11,02,72,207	-	11,02,72,207
Add: Receipts during the financial year	39,35,00,000	69,30,00,000	82,97,00,000	1,91,62,00,000	25,50,00,000	62,70,00,000	70,67,00,000	1,58,87,00,000
Add: Interest earned	-	-	-	-	-	-	-	-
Less: Returned to the Ministry (PAO)	-	-	74,00,000	74,00,000	-	-	-	-
Less: Fund Lapsed from TSA Grant at the end of the FY 2024-25/ Link error during the year.	4,15,96,083	830	41,02,205	4,56,99,118	1,82,21,112	-	-	1,82,21,112
Less: Exp initiated/ approved but DSC not successful at the end of the FY 2024-25.	2,50,08,488	62,128	1,01,815	2,51,72,431	-	-	-	-
Total	32,68,95,429	73,12,32,376	81,80,95,980	1,87,62,23,785	23,67,78,888	62,70,00,000	70,67,00,000	1,57,04,78,888
Less: Utilized for Capital expenditure (A)	32,68,95,429	-	-	32,68,95,429	23,67,78,888	-	-	23,67,78,888
Less: Utilized for recurring exp	-	3,82,95,334	-	3,82,95,334	-	-	-	-
Balance	-	69,29,37,042	81,80,95,980	1,51,10,33,022	-	62,70,00,000	70,67,00,000	1,33,37,00,000
Less: Utilized for Revenue expenditure against GIA (B)	-	69,29,37,042	79,10,47,241	1,48,39,84,283	-	62,70,00,000	70,67,00,000	1,33,37,00,000
Balance C/F (C)	-	-	2,70,48,739	2,70,48,739	-	-	-	-

NOTE: Rs.2,70,48,739.00 is only ledger balance since during the FY 2024-25 it was recouped from TSA against recurring expenditure under OH 36 as short claim towards Pay and Allowances for regular staff for the month of March 2024 and other relevant exp thereon.

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

Schedule 11 - INCOME FROM INVESTMENT

Amount in Rupees

Particulars		Earmarked/Endowment Funds		Other Investments	
		CURRENT YEAR	PREVIOUS YEAR	CURRENT YEAR	PREVIOUS YEAR
1	Interest				
	a. On Government Securities	-	-	-	-
	b. Other Bonds/Debentures	-	-	-	-
2	Interest on Term Deposits	-	-	-	-
	Interest on Stock Term Deposits from AXIS Bank	-	-	-	-
	Interest on Stock Term Deposits from HDFC Bank	-	-	-	-
	Interest received on Term Deposits against short term deposits.	-	83,92,394	-	77,70,995
3	Income accrued but not due on Term Deposits	1,77,46,265	11,74,50,745	1,43,86,514	6,36,29,208
4	Interest on Savings Bank Accounts	-	1,35,895	-	-
5	Last year Interest accrued on Term Deposits accounted during the year	-	-	-	-
6	Less: Interest adjusted due error in Earned accrued interest against FB	1,47,544	-	28,63,768	-
Total		1,75,98,721	12,59,79,034	1,15,22,746	7,14,00,203
Transferred to Earmarked/Endowment Funds		1,75,98,721	12,59,79,034	-	-
Balance		-	-	1,15,22,746	7,14,00,203

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 12: INTEREST EARNED

Amount in Rupees		
Particulars	CURRENT YEAR	PREVIOUS YEAR
1 On Savings Accounts with scheduled banks :		
Fee account no. 30763009570	45,85,773	25,80,862
Scholarship account no. 10521278244	2,73,454	2,58,720
Axis Bank account no. 910010049704315	-	16,351
HDFC Bank A/C No.50200039712972	-	-
E-Tender Account: SBI A/C No.38478849539	3,43,682	2,58,756
Interest received on TDS	-	-
Conference Account no. 40593349332	59,501	68,300
Total (A)	52,62,410	31,82,989
2 On Loans :		
a. Employees/Staff - Interest on Soft Loan	29,477	24,242
b. Others - Against Interest recovery of LTC/HTC	-	-
Total (B)	29,477	24,242
3 On Debtors and Other Receivables	-	-
Total (C)	-	-
Grand Total (A+B+C)	52,91,887	32,07,231

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 13- OTHER INCOME

Amount in Rupees

Particulars	CURRENT YEAR	PREVIOUS YEAR
A. Income from Land & Buildings		
1. Hostel room Rent	1,31,43,545	1,31,21,727
2. License fee	49,20,601	41,72,142
3. Hire Charges of Auditorium/Play ground/Convention Centre, Shop etc.	16,74,056	5,26,188
4. Guest House Rent	24,30,956	24,61,254
5. Electricity charges recovered	96,71,260	90,71,933
6. Light & Water charges recovered	87,60,045	82,51,350
Total	4,06,00,463	3,76,04,594
B. Sale of Institute's Publications	-	-
C. Income from holding events		
1. Gross Receipts from annual function/Sports Carnival	-	-
Less: Direct expenditure incurred on the annual function/Sports Carnival	-	-
2. Gross Receipts from fetes	-	-
Less: Direct expenditure incurred on the fetes	-	-
3. Gross Receipts for educational tours	-	-
Less: Direct expenditure incurred on the tours	-	-
4. Others (to be specified and separately disclosed)	-	-
Total	-	-



Particulars	CURRENT YEAR	PREVIOUS YEAR
D. Others		
1. Institute Overhead (Project)	23,38,280	39,05,902
1a. Institute Overhead (Other)	4,72,875	-
1b. Institute Overhead (Consultancy)	-	-
2. RTI Fees	-	190
3. Income from Royalty	-	-
4. Sale of application form (Recruitment/ Academic, etc.)	14,20,765	71,02,328
5. Misc. Receipts (Sale of Tender Form, etc.)	1,94,500	58,000
6. Profit on sale/disposal of Assets	-	-
a) Owned assets	-	-
b) Assets received free of cost	-	-
7. Others (Lake)	-	-
8. Pension Fund Contribution	2,42,03,645	64,74,372
09. Capital Fund appropriation against Depreciation	-	13,80,99,162
10. Misc. Receipts	13,53,543	8,45,418
11. Fine money / Penalty Charges	48,600	3,04,418
11. Registration fees (Participation fee)	5,37,000	-
Total	3,05,69,208	15,67,89,790
Grand Total (A+B+C+D)	7,11,69,671	19,43,94,384

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 14- PRIOR PERIOD INCOME

<i>Amount in Rupees</i>		
Particulars	Current Year	Previous Year
1. Academic Receipts	-	-
2. Income from Investments	-	-
3. Interest earned	-	-
4. Capital Fund adjusted with appropriation of asset value due to over charge of depreciation till 2023-24	-10,86,17,333	-
Total	-10,86,17,333	-

Date: The 25th June, 2025

Place: Silchar



SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 15 - STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

Amount in Rupees

Particulars	CURRENT YEAR			PREVIOUS YEAR		
	Non-Recurring	Recurring	Total	Non-Recurring	Recurring	Total
A) Salaries and Wages						
Teaching & Admin	-	58,65,78,947	58,65,78,947	-	58,87,81,967	58,87,81,967
Group B & C	-	7,45,33,460	7,45,33,460	-	4,07,63,379	4,07,63,379
Group D	-		-	-	-	-
14% NPS Contribution	-	6,22,82,479	6,22,82,479	-	5,08,80,942	5,08,80,942
B) Other Adhoc						-
Salary of Contractual Teaching & Admin	-	2,12,84,570	2,12,84,570	-	2,31,94,236	2,31,94,236
Salary of M R Staff	-	1,74,29,496	1,74,29,496	-	1,61,86,581	1,61,86,581
C) Allowances & Bonus						-
Cumulative Professional Dev. Allowance	-	96,35,112	96,35,112	-	1,94,48,768	1,94,48,768
D) Contribution to Other Fund						-
NPS Contribution	-		-	-	-	-
Pension contribution (Deputation)	-	10,47,487	10,47,487	-		-
EPF Contribution (Employer) MR	-	19,78,180	19,78,180	-	12,72,136	12,72,136
CPF Contribution	-		-	-	-	-
EPF Contributiion Contractual & others	-	10,44,547	10,44,547	-	10,81,992	10,81,992
E) Staff Welfare Expenses						-
Mobile & Telephone expenditure	-	6,64,489	6,64,489	-	7,57,524	7,57,524
F) Retirement and Terminal Benefits						-
Provision:		2,40,50,10,552	2,40,50,10,552			
Death cum Retirement Gratuity	-	-	-	-	1,44,53,674	1,44,53,674
Pension	-	-	-	-	11,01,66,150	11,01,66,150
Commuted Pension	-	-	-	-	1,55,58,690	1,55,58,690
Leave Encashment	-	-	-	-	94,09,658	94,09,658



Particulars	CURRENT YEAR			PREVIOUS YEAR		
	Non-Recurring	Recurring	Total	Non-Recurring	Recurring	Total
G) LTC facility						-
Home Travel Concession	-	37,91,632	37,91,632	-	9,44,067	9,44,067
Leave Travel Concession	-	43,28,779	43,28,779	-	60,90,630	60,90,630
H) Medical facility						-
Medical Reimbursement	-	22,76,873	22,76,873	-	42,89,043	42,89,043
Medicine & Dispensary expenses	-		-	-	-	-
I) Children Education Allowances	-	52,95,374	52,95,374	-	44,27,000	44,27,000
J) Honorarium	-	6,42,412	6,42,412	-	16,47,023	16,47,023
K) Others :						-
Joining Time TA	-	1,22,782	1,22,782	-	99,842	99,842
Relocation Charges	-	5,16,527	5,16,527	-	3,68,568	3,68,568
Total	-	3,19,84,63,698	3,19,84,63,698	-	90,98,21,870	90,98,21,870

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 15 A - EMPLOYEES RETIREMENT AND TERMINAL BENEFITS

Amount in Rupees

Particulars	Pension	Gratuity	Leave Encashment	Total
Opening Balance as on 01.04.2024	13,86,81,234	2,07,96,630	2,02,24,157	17,97,02,021
Addition : Capitalized value of Contributions received from other Org.	70,88,221	15,80,805	41,88,924	1,28,57,950
Total (a)	14,57,69,455	2,23,77,435	2,44,13,081	19,25,59,971
Less : Actual payment Pension during the year (b)	11,52,51,314	2,07,96,630	2,02,24,157	15,62,72,101
Less : Actual payment of Commutation Pension during the year (c)	2,34,29,920	-	-	2,34,29,920
Balance Available on 31.03.2025 d = (a-b-c)	70,88,221	15,80,805	41,88,924	1,28,57,950
Provision required on 31.03.2025 as per Actuarial Valuation (e)	1,77,79,75,405	20,04,35,066	25,97,56,010	2,23,81,66,481
A. Provision to be made in the Current year (e-d)	1,77,08,87,184	19,88,54,261	25,55,67,086	2,22,53,08,531
B. Contribution to New Pension Scheme	-	-	-	-
C. Medical Reimbursement to Retired Employees	-	-	-	-
D. Travel to Hometown on Retirement	-	-	-	-
E. Deposit Linked Insurance Payment	-	-	-	-
Total (A+B+C+D+E)	1,77,08,87,184	19,88,54,261	25,55,67,086	2,22,53,08,531

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 16- ACADEMIC EXPENSES

Particulars	CURRENT YEAR			PREVIOUS YEAR		
	Non-Recurring	Recurring	Total	Non-Recurring	Recurring	Total
a) Laboratories expenses	-	21,65,155	21,65,155	-	14,11,549	14,11,549
b) Field work/Participation in Conferences	-	-	-	-	-	-
c) Expenses on Seminars/workshops	-	14,71,058	14,71,058	-	16,79,903	16,79,903
d) Payment to visiting guest faculty	-	1,20,000	1,20,000	-	2,15,000	2,15,000
e) Examination Expenses	-	44,77,896	44,77,896	-	41,06,031	41,06,031
f) Students Welfare expenses - Student Internship	-	-	-	-	-	-
g) Admission expenses	-	-	-	-	-	-
h) Convocation expenses	-	47,25,518	47,25,518	-	32,49,314	32,49,314
i) Publications	-	-	-	-	-	-
j) Stipend / Scholarship for PG & PhD	-	15,93,55,448	15,93,55,448	-	19,22,78,556	19,22,78,556
k) Subscription expenses	-	-	-	-	-	-
l) Contingency to Ph.D. Scholars	-	-	-	-	-	-
m) Students Project Expenses	-	16,21,814	16,21,814	-	8,15,024	8,15,024
n) Library Contingency	-	-	-	-	-	-
o) Industry Visit (MBA)	-	-	-	-	-	-
p) Student Orientation Program	-	9,71,077	9,71,077	-	3,45,639	3,45,639
q) Summer Term Course Expenses	-	3,000	3,000	-	38,384	38,384
r) Academic Audit Expenses	-	2,59,763	2,59,763	-	92,331	92,331
s) Student Activity Expenses	-	9,76,722	9,76,722	-	2,57,480	2,57,480
Total	-	17,61,47,451	17,61,47,451	-	20,44,89,211	20,44,89,211

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES

Particulars	CURRENT YEAR			PREVIOUS YEAR		
	Non-Recurring	Recurring	Total	Non-Recurring	Recurring	Total
Other Establishment Expenses						
A. Infrastructure						
Electricity	-	4,38,68,939	4,38,68,939	-	4,47,92,169	4,47,92,169
Water Charges	-	1,12,13,226	1,12,13,226	-	94,95,632	94,95,632
Solar Energy Charges	-	20,23,358	20,23,358	-	26,26,211	26,26,211
B. Communication						
Postage	-	1,42,827	1,42,827	-	1,27,434	1,27,434
Telephone, Fax and Internet Charges	-	-	-	-	-	-
C. Others						
Printing and Stationery	-	48,35,018	48,35,018	-	36,35,385	36,35,385
Travelling and local conveyance Exp (TA/DA)	-	29,41,107	29,41,107	-	21,38,869	21,38,869
Hospitality cum refreshment	-	14,91,532	14,91,532	-	7,53,627	7,53,627
Auditors Remuneration	-	8,39,230	8,39,230	-	5,87,620	5,87,620
Professional Charges and Legal fees	-	12,77,581	12,77,581	-	9,73,552	9,73,552
Advertisement and Publicity	-	22,46,920	22,46,920	-	14,24,659	14,24,659
Magazines & Journals -(News paper peridocals)	-	32,250	32,250	-	24,326	24,326
Training & Placement expenses	-	7,24,035	7,24,035	-	2,44,683	2,44,683
Board & Committee meeting	-	6,11,195	6,11,195	-	11,66,337	11,66,337
Computer Consumable	-	5,36,046	5,36,046	-	5,87,040	5,87,040
Initiative to foster Social Responsibility	-	-	-	-	-	-
Misc. Expenses	-	42,373	42,373	-	1,11,550	1,11,550
Gyan Sagar expenses	-	3,65,862	3,65,862	-	68,230	68,230
Celebration of National Day	-	32,00,707	32,00,707	-	22,19,441	22,19,441
NCC & NSS Activity	-	20,31,312	20,31,312	-	12,67,356	12,67,356
Promotion of Rashtra Bhasha	-	2,65,504	2,65,504	-	12,766	12,766
Consumable expenses	-	7,67,697	7,67,697	-	9,98,142	9,98,142
Contingency Exp	-	-	-	-	-	-
Celebration of Foundation Day	-	-	-	-	5,97,879	5,97,879
Innovation Lab Exp	-	1,37,327	1,37,327	-	2,52,307	2,52,307



Particulars	CURRENT YEAR			PREVIOUS YEAR		
	Non-Recurring	Recurring	Total	Non-Recurring	Recurring	Total
Other Establishment Expenses						
Institute Innovation Cell exp	-	11,83,977	11,83,977			
Other Admin Exp	-	1,51,22,581	1,51,22,581	-	40,14,799	40,14,799
Registration/Nomination fees	-	-	-	-	7,34,958	7,34,958
NABL Expenses	-	-	-	-	-	-
NSDL Service Charges	-	57,740	57,740	-	49,616	49,616
Gymkhana Expenditure	-	33,21,847	33,21,847	-	18,21,812	18,21,812
Swachh Bharat Mission Exp	-	1,02,271	1,02,271	-	-	-
Ek Bharat Shresta Bharat	-	3,00,262	3,00,262			
Insurance against Assets	-	24,55,875	24,55,875	-	5,34,967	5,34,967
Inter NIT Sports Meet	-	92,85,517	92,85,517	-	27,47,113	27,47,113
Medicine & Dispensary expenses	-	5,42,533	5,42,533	-	14,26,967	14,26,967
Short Term Training Programme	-	25,000	25,000			
Trasnit House Rent	-	-	-	-	-	-
Conclave exp	-	23,315	23,315	-	5,52,510	5,52,510
Security Services	-	6,69,10,556	6,69,10,556	-	8,73,15,840	8,73,15,840
House Keeping	-	-	-	-	6,28,88,952	6,28,88,952
Fine and Penalty	-	4,14,197	4,14,197	-	40,81,132	40,81,132
TOTAL	-	17,93,39,717	17,93,39,717	-	24,02,73,881	24,02,73,881

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM

SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 18 - TRANSPORTATION EXPENSES

Amount in Rupees

Particulars	CURRENT YEAR			PREVIOUS YEAR		
	Non-Recurring	Recurring	Total	Non-Recurring	Recurring	Total
1. Vehicles (owned by Institution)						
a) Running Expenses	-	47,72,893	47,72,893	-	47,71,523	47,71,523
b) Insurance Expenses	-	1,27,807	1,27,807	-	2,05,444	2,05,444
2. Vehicles taken by Rent/Lease						-
a) Rent/Lease Expenses	-	-	-	-	-	-
3. Vehicle (Taxi) hiring Expenses	-	-	-	-	-	-
TOTAL	-	49,00,700	49,00,700	-	49,76,967	49,76,967

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 19 - REPAIRS & MAINTENANCE

Amount in Rupees

Particulars	CURRENT YEAR			PREVIOUS YEAR		
	Non-Recurring	Recurring	Total	Non-Recurring	Recurring	Total
a) Buildings	-	2,31,87,767	2,31,87,767	-	2,10,13,648	2,10,13,648
b) Furniture & Fixtures	-	10,41,278	10,41,278	-	91,807	91,807
c) Plant & Machinery incl office equip.	-	28,75,734	28,75,734	-	35,77,888	35,77,888
d) Scientific Equipment - (Digital Labrary)	-		-	-	-	-
e) Audio Visual Equipment	-		-	-	-	-
f) Cleaning Materials & Casual work	-	20,821	20,821	-	890	890
g) Book Binding Charges	-		-	-	-	-
h) Gardening and Horticulture	-	1,12,14,527	1,12,14,527	-	1,08,85,666	1,08,85,666
i) Estate Maintenance (Electrical)	-	-7,72,553	-7,72,553	-	21,50,640	21,50,640
j) D.G. Set	-	1,58,79,685	1,58,79,685	-	1,68,15,426	1,68,15,426
k) Networking including AMC	-	1,31,54,330	1,31,54,330	-	43,83,889	43,83,889
l) Guest House Maintenances	-	5,80,888	5,80,888	-	3,69,520	3,69,520
m) House Keeping	-	8,63,56,832	8,63,56,832	-	-	-
TOTAL	-	15,35,39,309	15,35,39,309	-	5,92,89,374	5,92,89,374

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31ST MARCH 2025

SCHEDULE 20 - FINANCE COSTS

Amount in Rupees

Particulars	CURRENT YEAR			PREVIOUS YEAR		
	Non-Recurring	Recurring	Total	Non-Recurring	Recurring	Total
a) Bank Charges	-	65,773	65,773	-	17,565	17,565
b) Others	-	-	-	-	-	-
TOTAL	-	65,773	65,773	-	17,565	17,565

SCHEDULE 21 - OTHER EXPENSES

Particulars	CURRENT YEAR			PREVIOUS YEAR		
	Non-Recurring	Recurring	Total	Non-Recurring	Recurring	Total
a) Provision for Bad and Doubtful Debts/Advances	-	-	-	-	-	-
b) Irrecoverable Balances/Written-off	-	-	-	-	-	-
c) Grants to Kendriya Vidyalaya	-	3,51,31,500	3,51,31,500	-	4,24,41,200	4,24,41,200
d) Support/Salaries to NITS-KIDS staff	-	-	-	-	-	-
TOTAL	-	3,51,31,500	3,51,31,500	-	4,24,41,200	4,24,41,200

SCHEDULE 22 - PRIOR PERIOD EXPENSES

Particulars	CURRENT YEAR			PREVIOUS YEAR		
	Non-Recurring	Recurring	Total	Non-Recurring	Recurring	Total
1) Establishment Expenses (CEA)	-	-	-	-	-	-
2) Academic Expenses	-	-	-	-	-	-
3) Administrative Expenses	-	-	-	-	-	-
4) Transportation Expenses	-	-	-	-	-	-
5) Repair & Maintenance	-	-	-	-	-	-
6) Others	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

SIGNIFICANT ACCOUNTING POLICIES

SCHEDULE: 23

1. BASIS FOR PREPARATION OF ACCOUNTS

National Institute Of Technology, Silchar (राष्ट्रीय प्रौद्योगिकी संस्थान, सिलचर) is one of the 31st National Institutes of Technology of India and was established in 1967 as a Regional Engineering College in Assam. In 2002 it was upgraded to the status of National Institute of Technology and was declared as Institute of National Importance under the National Institutes of Technology Act, 2007. The National Institute of Technology Silchar's urban 625-acre campus is located on the Silchar -Hailakandi Road in Assam's Cachar district, about 10 kilometres from Silchar Railway Station. It offers undergraduate, postgraduate and doctoral programmes in various streams.

Under the constitution of the National Institutes of Technology Act 2007, the President of India is the visitor to the institute. The authorities of the institute are the board of governors and the Senate. The board is headed by the chairperson, who is appointed by the visitor. NIT Silchar is **affiliated by** Government of India, Ministry of Education directly. All the sanctioned Government GIA are sanctioned on Cash Basis due to implementation of Treasury Single Account (TSA) system through PFMS in all Abs and accounted accordingly. Funds are directly drawn from the Government's account at the time of actual expenditure.

The financial statements are prepared under the Historical cost convention and on the basis of Generally Accepted Accounting Principles in India. Institute's accounts are maintained on accrual system of accounting in terms of the New System.

2. REVENUE RECOGNITION

- 2.1 Fees from students (except Tuition Fees), Application fee, Interest on Savings Bank accounts, hiring charges of shop and canteen are accounted on cash basis. Tuition Fees collected separately for each semester is accounted on accrual basis.
 - 2.2 Income from Land, Buildings & other Property and Interest on Investments are accounted on accrual basis.
 - 2.3 Interest on interest bearing advances to staff for Soft Loan is accounted on actual basis every year.
-



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

3. FIXED ASSETS AND DEPRECIATION

- 3.1 Fixed assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition and commissioning.
- 3.2 Depreciation is provided for the whole year on additions during the year. Depreciation on Fixed assets are provided on Straight Line Method (SLM) during the financial year 2024-25. The calculation of net effect of deprecation has been done as per change in policy. The relevant adjustment till 2023-24 made accordingly considering the base period from FY 2020-21.

<u>Tangible Assets</u>	<u>Rate of Depreciation</u>
1. Land	0%
2. Site Development	0%
3. Buildings	2%
4. Roads & Bridges	2%
5. Tube wells & Water Supply	2%
6. Sewerage and Drainage	2%
7. Electrical Installation and equipment	5%
8. Plant & Machinery	5%
9. Scientific & Laboratory Equipment	8%
10. Office Equipment	7.5%
11. Audio Visual Equipment	7.5%
12. Computers & peripherals	20%
13. Furniture, Fixtures & Fittings	7.5%
14. Vehicles	10%
15. Lib. Books & Scientific journals	10%
<u>Intangible Assets (amortization):</u>	
1. E-Journals & E-Books	40%
2. Computer Software	40%
3. Patents and Copyright	9 years



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

- 3.3 Rate of depreciation charged during the financial year reviewed and corrected as per direction of earlier audit and effect given accordingly wherever necessary. Depreciation is worked out 100% on the opening balance.
- 3.4 The amount of depreciation (over charges / under charges) due to change in method has been adjusted against appropriation of asset value with Capital fund during the year and simultaneously shown under “Prior period Income” in the Income & Expenditure A/c.
- 3.5 Assets created out of Sponsored Project funds worth Rs.1992.30 Lakh against TEQIP Ph- I and Ph-II project where the ownership is retained by the sponsors but held and used by the Institution are removed from the balance sheet as per audit observation which has been disclosed in Notes on Account alongwith asset valuation created during TEQIP Ph-III, closed during FY 2020-21. The total asset created under TEQIP project was Rs.2343.78 lakh.

Sl	Project Name	Amount
1	TEQIP -I	Rs.10,31,65,960.00
2	TEQIP -II	Rs.9,60,64,457.00
3	TEQIP -III	Rs.3,51,47,466.00
Total		Rs.23,43,77,883.00

- 3.5 Electronic Journals (E-journals) are separated from library books in view of the limited benefit that could be derived from the on-line access provided. E-journals are not in a tangible form, but temporarily capitalized in view of the magnitude of expenditure and the benefit derived in terms of perpetual knowledge of academic and research scholars. Depreciation is provided in respect of E-journals at a higher rate of 40% in respect of library books, since the access is permitted for a specific period only.
4. **STOCKS:** Expenditure on purchase of chemicals, glassware, publications other stores as revenue expenditure, they are valued at cost.



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

5. RETIREMENT BENEFITS

1. Retirement benefits i.e., pension, gratuity and leave encashment are provided on the basis of actuarial valuation whereas the relevant payment against sanctioned expenditure are made from the Grant in Aid as per provisions made by the Institute in its annual Budget time to time. Capitalized Value of pension and gratuity received from previous employers of the Institution's employees, who have been absorbed in the Institution, is credited to the respective Provision Accounts. Further, Pension contribution received in respect of employees on deputation is also credited to the Provision for Pension Account. The Actual payments of Pension, Gratuity and Leave encashment are debited in the Accounts to the respective provisions. Other retirement benefits viz. Deposit Linked Insurance, Contribution to New Pension Scheme, Medical reimbursement to retired employees and Travel to Home Town on retirement are accounted on accrual basis (actual payments plus outstanding bills at the end of the year).
2. Employees appointed after 2004 are governed by the New Pension Scheme to whom on a monthly basis and employer's unequal contribution is paid from the salary grants provided under recurring grant duly budgeted.

6. INVESTMENT

Institute has invested temporary surplus in Term Deposits with banks. Investments are stated at cost. A schedule showing details of Investments of various funds annexed with the statement of accounts.

7. Earmarked/ Endowment Funds.

The long term funds are earmarked for specific purpose. Most of the funds have separate bank account. Those with large balances also have invested in term deposits with Nationalized Banks (State Bank of India).

The income from Investment/advances, interest on savings Bank Accounts are credited to the respective Funds. The expenditure and advances if any, are debited to the fund. The balance in the respective funds is carried forward and is represented on the assets side by the balance at Bank, Investments and accrued interest.

7.1 CORPUS FUND

Corpus Fund is created in compliance with Govt. of India, MHRD, Department of Higher Education, New Delhi vide letter no. F.21-7/2006-TS.III dated 31.03.2006. This fund is in the nature of Endowment Fund. Income from the investments of the fund is added to the fund.



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The balance in the Corpus Fund which is carried forward is represented by the balance in a separate bank Account, investment in fixed deposits and SBI Mutual fund with the Bank and Accrued interest on investments.

8. GOVERNEMENT GRANTS

8.1 As per guidelines of the Ministry of Expenditure in its OM no. F. No. 1(18)-B(AC)/2017, dtd 22/02/2021 universal implementation of Treasury Single Account (TSA) in all Autonomous Bodies were made mandatorily wherein autonomous bodies are directly draw funds from the Government's account at the time of actual expenditure, save interest costs. The TSA system was extended for its universal application from FY 2021-22.

8.2 Due to implementation of Treasury Single Account (TSA) system by the assignment account through RBI in PFMS w.e.f. end of July, 2022. Governments' grants are receipt and utilized (against respective payments made through TSA) on real time basis only. Write back of Un-utilized amount lying in the assignment account to the Consolidated Fund of India at the close of the financial year automatically (midnight of the 31st March).

8.3 Due to implementation of Treasury Single Account (TSA) system through PFMS, Government Grants are accounted on Cash Basis. During the FY 2024-25 an amount of Rs.19162.00 Lakh was receipt as GIA in TSA through PFMS towards Plan recurring under **OH- 31 is Rs.6930.00 lakh and OH- 36 is Rs.8297.00 lakh** wherein under Plan Non-Recurring **OH-35 is Rs.3935.00 Lakh** respectively. Out of that Rs.74.00 lakh against OH- 36 was returned to PAO, Ministry as the same was belongs to GIA of NIT Sikkim which was inadvertently assigned to NIT Silchar. Therefore, actual receipt of assignment by GIA w.r.t NIT Silchar was accounted Rs.19088.00 Lakh only.

Out of above, total payment made through TSA against utilization of Grant in Aid was Rs.18108.79 Lakh towards various approved incurred expenditure and other relevant payments during the financial year 2024-25 alongwith payment of e-journal/ subscription, prepaid insurance and other advance deposit work etc. The total utilization grant towards various expenditure booked Rs.6929.37.00 lakh under OH- 31, Rs.7910.47.00 lakh under OH- 36 and Rs.3268.95.79 lakh under OH-35 respectively. Further, an amount of Rs.1212.97 lakh kept provision under recurring and nonrecurring expenditure during the financial year.

8.4 To the extent utilized of capital expenditure during the financial year worth Rs.3268.95 lakh Government grants are transferred into the Capital fund. Further Rs.34.16 lakh utilized under nonrecurring head and Rs.382.95 lakh utilized under recurring head from institute IRG.



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

8.5 Government Grants for meeting revenue Expenditure are treated utilized and simultaneously, transferred to Income and Expenditure A/c as Income from Grants and Subsidies alongwith provision of committed expenditure for the current financial year to be paid from GIA from next FY.

8.6 Unutilized grants including advances paid out of such grants are carried forward and exhibited as liability in the Balance Sheet.

8.7 Due to implementation of TSA system unspent balance against sanctioned GIA lapsed automatically in the midnight of 31st March of the financial year, hence, no such closing balances remain left. However, to give the true and fair view closing balances are carry forwarded as per standard practices.

9. INVESTMENTS OF EARMARKED FUNDS AND INTEREST INCOME ACCRUED ON SUCH INVETSMENTS:

To the extent not immediately required for the expenditure, the amounts available against such funds are invested in fixed term deposits with Banks and SBI Mutual fund leaving the balance in its savings Bank Accounts. Interest received, interest accrued due and interest accrued but not due on such investments are added to the respective funds as income of the institution. Investment in the form of STDR and MF has been auto renewed during the year and necessary disclosure shown thereon in the schedule of investment.

10. SPONSORED PROJECTS

In respect of ongoing Sponsored Projects, the amount received from sponsoring authority is credited to the head “Current Liabilities and Provisions- Current Liabilities-Other Liabilities-Receipt against ongoing sponsored projects”. As and when expenditure is incurred/ advances are paid against such projects, or the concerned project account is debited with allocated overhead charges, the liability account is debited. Assets procured from sponsored project is yet to be acquired as Institute Assets due to non-receipt of acquisition certificate from the respective sponsoring authority.

11. The Institution itself also awards Scholarships to M.Tech/M.Sc. & Ph.D. scholars, which are accounted as academic expenses.

12. In compliance of audit observation as per SAR of FY 2024-25 expenditure towards housekeeping and security services for the year shifted from schedule 17 to schedule 19.

13. In compliance of audit observation for the year 2018-19, excess of expenditure over income amounting to Rs.190.10 lakh during the current year 2024-25 transferred to Corpus /Capital Fund account.



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

14. Unequal employers' contribution as per GoI norms in NPS is to be followed.
15. Provision of shifting of pension fund contribution for till financial year 2024-25 against the respective retired employees and the persons who are in service are made and accounted for accordingly.
16. Corpus fund investment matured in financial year 2024-25 and necessary shifting of fund from Corpus fund to Corpus / Capital fund Rs.1722.27 lakh made accordingly under Sch-1 and Sch-2 which is in pursuance to the audit observation.

Date: The 25th of June, 2025

Place: Silchar

Registrar

Director



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

SCHEDULE: 24

CONTINGENT LIABILITIES AND NOTE TO ACCOUNTS (ILLUSTRATIVE)

- 1. CONTINGENT LIABILITIES:** There is no contingent liability during the year under report.
 - 2. CAPITAL COMMITMENTS:** All the major works have been completed and thus there is no Capital commitment during the year.
 - 3. FIXED ASSETS:**
 - 3.1 Addition in the year to Fixed Assets in Schedule 4 includes Assets purchased out of Non-recurring grant was Rs.3303.11 lakh. The assets have been set up by credit to Capital Fund.
 - 3.2 In the Balance Sheet as on 31.03.25 and the Balance Sheets of earlier years, fixed assets created out of Plan funds were exhibited distinctly. The additions during the years, from plan and other funds, and the depreciation on those additions respectively have been exhibited in the Sub Schedules A,B,C,D & E to the main schedules of Fixed Assets (Schedules 4).
 - 3.3 To comply the audit observation Capital Work in progress stands Rs.60.29 lakh as consultancy fees to architecture was removed from CWIP under Sch-4 and adjusted with recurring expenditure since the work is no longer exhibited as the work is highly unlikely that construction will commence in near future.
 - 4. CURRENT ASSETS, LOANS, ADVANCES AND DEPOSITS**

In the opinion of the management, the current assets, Loans, Advances and Deposits have a value on realization in the ordinary course, equal to at least the aggregate amount shown in the Balance Sheet.
 - 5.** The details of the Balances in the Savings Bank accounts, Current accounts with Banks are depicted in Schedule 7A of Schedule of Current assets. The details of Investment with banks against various funds are annexed separately in page no. 16, 17, 18 & 19 of the Annual Accounts.
 - 6.** Figures in the Final accounts have been rounded off to the nearest rupee.
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NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

7. Schedules 1 to 22 are annexed and form an integral part of Balance Sheet at 31st March 2025, and the Income & Expenditure account for the year ended on that date.
8. Provident Fund Accounts (GPF) and the New Pension Scheme (NPS) accounts are shown separately with the Institute Accounts alongwith schedule of investment made out from GP Fund account.
9. A Receipt & Payment Account, an Income & expenditure Account and a Balance Sheet of the Provident fund Account as well as the New Pension Schemes for the year 2024-25 have been attached with the Institute accounts.

The balance held up in New Pension Scheme as on 31.03.2025 was Rs.251.79 lakh in respect of amount payable against NPS Subscribers towards NPS Subscription and Contribution is yet **to** be transferred to NSDL, non-allotment/receipt/ delay submission of PRAN number till date.

10. Pension Fund Contribution (Schedule-2): During the year a total amount of Rs.1153.67 lakh has been appropriated as income from the Pension Fund Contribution and out of that Rs.242.03 lakh (Endowment Fund) treated as revenue income.
11. Fixed Assets (Schedule-4): Addition of fixed assets during the year amounting to Rs.3303.11 lakh out of that Rs.3268.95 utilized against GIA during the year. Further, expenditure against patent filling cost worth Rs.8.63 lakh has been booked from CPDA.
12. A statement showing the details of investment and interest accrued is annexed, which is corresponding to Schedule 5 and 6.
13. Grants and Subsidies (Schedule-10): The **Unspent/Deficit** balance under Non Recurring Grant (OH-35) was Rs. **NIL** and under Recurring Grant of OH- 31 was Rs. **NIL** and OH-36 was Rs. 270.48 lakh remain unutilized as ledger balance as on 31.03.2025. Further, an amount of Rs.708.72 lakh lapsed from TSA account in PFMS under Non Recurring Grant (OH-35) Rs.666.05 lakh and under Recurring Grant of OH- 31 was **Rs. 0.63 lakh** and OH-36 was **Rs. 42.04** respectively.

Moreover, Rs.270.48 under OH 36 only stands as ledger balance as expenditure related to FY 2023-24 was utilized from grant of FY 2024-25 instead of Institute IRG towards pay and allowances for regular staff for the month of Mar 2024 and other relevant expenditure thereon.
14. The Institute had spent an amount of Rs.7.54 lakh (incl. project) through foreign currency transaction against procurement of Equipment and other recurring expenses during current financial year.



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

15. To comply with previous year audit observation w.r.t. Board of Hostel Management (BHM), copy of Receipt and Payment account, Income and expenditure account and Balance sheet for the FY 2024-25 alongwith notes accounts has also been appended separately alongwith Institute account.
16. As per previous year audit observation -
- a. Charges of depreciation made under straight line method (SLM) as per prescribed RoI in the FY 2024-25 keeping the base year w.e.f. FY 2020-21. The relevant effects of depreciation due to change in policy made accordingly in the current year to comply the audit observation.
 - b. The institute has shown the necessary effects on transfer of contribution towards contributory provident fund amount Rs.1153.67 till FY 2023-24 to Institute account as well as in GP fund account alongwith list of subscriber as per decision of 24th FC of the Institute. Further, Physical transfer of fund will be made after approval of the Competent Authority in FY 2025-26.
 - c. Necessary correction / adjustment worth Rs.3,60,000.00 made in Sch-3 against sponsored projects.
17. Observation raised in SAR for the year 2023-24 necessary effects on accounts alongwith re-appropriation of ledger head has also been made in FY 2024-25 to comply the audit observation related to last separate audit report (SAR).

Date: The 25th of June, 2025

Place: Silchar

Registrar

Director



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2025

<i>Amount in Rupees</i>					
RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR	PREVIOUS YEAR
I. Opening Balances:			I. Expenses:		
a) Cash Balances	1,576	10,175	Establishment expenses	96,83,24,713	83,49,55,039
b) Bank Balance :			Academic Expenses	15,94,91,651	19,16,08,241
Current Accounts	28,00,41,676	9,81,13,230	Administrative Expenses	9,45,70,003	8,41,83,883
Savings Account	27,36,27,627	12,75,89,639	Transportation Expenses	40,95,207	47,45,101
			Repairs & Maintenance	20,45,28,383	19,55,77,363
II. Grants Received:			Finance Cost	66,481	17,565
Non Recurring Grant: From Govt of India	39,35,00,000	25,50,00,000	Prior Period Expenses	-	-
Recurring Grant: From Govt of India	1,52,27,00,000	1,33,37,00,000	Other Expenses	3,51,31,500	4,24,41,200
Grants-in-Aid Receivable :					
Non Recurring Grant: From Govt of India	-	-	II. Payments against		
Recurring Grant: From Govt of India	-	-	Earmarked/Endowment Funds	-	1,99,000
III. Academic Receipts	24,88,00,803	26,63,30,034	III. Payments against Sponsored Projects	6,14,81,392	4,45,98,277
			Misc Payments against Grant/Conference		
IV. Receipts against Earmarked/Endowment Funds	90,00,819	97,88,185			
			IV. Payments against Sponsored Scholarships	30,34,327	18,46,906
V. Receipts against Sponsored Project:					
Grants Received from AICTE/GOI	9,71,70,388	11,32,28,145	V. Investments and Deposits made		
Other Misc Receipts against Conference	1,12,54,263	1,03,18,350	a) Out of Earmarked	72,06,50,600	-
VI. Receipts against sponsored Fellowships & Scholarships	45,72,017	30,96,561	b) Out of own funds(Investments-others)	-	-
VII. Income on Investments from			VI. Term Deposits with Schedule Banks	1,54,13,87,643	-
Earmarked/Endowment funds	13,43,597	1,06,814			
Other investments	-	-	VII. Expenditure on Fixed Assets and Capital Works- in -Progress		
			a) Fixed Assets	18,59,84,067	18,09,11,916
VIII. Interest received :			b) Capital works -in- Progress	-	-



RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR	PREVIOUS YEAR
Bank Deposit	-	-			
Loans and Advances (Margine Money)	-	-	Viii. Other Payments including statutory	13,00,06,938	11,47,71,963
Savings Bank Account	69,46,368	46,74,622			
Interest on Others	1,22,315	-	IX. Refund of Grants (Sponsored Projects)	11,94,82,421	9,61,05,339
Against Project Account					
			X. Deposits and Advances	18,16,31,761	6,58,84,673
IX. Investments encashed					
IX (a). Margin Money for LC_Project	-	-	XI. Other Payments	32,71,78,031	22,94,44,348
X. Term Deposits with Scheduled Banks encashed	1,48,29,64,744	-			
XI. Other income (including prior Period Income)	4,91,43,516	5,23,96,945	XII. Closing balances		
			a) Cash in hands	-	1,576
XII. Deposits and Advances			b) Bank balances		
Plant Machinery & Equipment	-	-	Current Accounts	13,15,36,442	28,00,41,676
Other Deposits (S Debtors)	9,62,85,471	7,31,181	Savings Account	10,27,37,148	27,36,27,627
Loans & Advances	4,55,69,070	4,22,10,455			
XIII. Miscellenous Receipts including Statutory Receipts	26,42,56,898	21,81,37,678			
XIV. Any other Receipts	18,40,17,559	10,55,29,679			
TOTAL	4,97,13,18,708	2,64,09,61,693	TOTAL	4,97,13,18,708	2,64,09,61,693

Date: The 25th June, 2025

Place: Silchar

Registrar

Director



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM

SCHEDULES FORMING PART OF RECEIPTS & PAYMENTS ACCOUNTS FOR THE YEAR ENDED 31ST MARCH 2025

RECEIPTS :		<i>Amount in Rupees</i>
Particulars	Current Year	Previous Year
GRANTS-IN-AID RECEIVED FROM GOVT OF INDIA:		
NON RECURRING GRANT : RECEIVED FROM GOVT OF INDIA: OH-35	39,35,00,000	25,50,00,000
RECURRING GRANT: RECEIVED FROM GOVT OF INDIA OH-36 (SALARIES)	82,97,00,000	70,67,00,000
RECURRING GRANT: RECEIVED FROM GOVT OF INDIA OH-31 (GENERAL)	69,30,00,000	62,70,00,000
Total	1,91,62,00,000	1,58,87,00,000
Academic Receipts		
Academic Fee		
Tuition Fees	19,42,98,210	21,83,80,696
Admission Fee	87,87,000	85,51,100
Library Fee	47,32,580	46,52,508
I.T System Fee	1,01,75,930	91,95,800
Examination Fee	1,15,33,701	88,75,639
Other Academic Receipts		
Late Fine/Penalty	3,90,072	3,79,704
Misc Fees	7,75,724	7,37,286
Medical Facility Fee	30,09,430	30,26,350
Transportation Fees	42,11,900	34,84,800
Summer Term Course fee	9,99,000	-
Registration and Institutional Fee	-	-
Convocation fee	11,68,756	6,23,251
Training & Placement Fee	44,73,500	45,01,900
Short Term Training Programme Fee	-	-
Development Fee	42,45,000	39,21,000
Total	24,88,00,803	26,63,30,034
<u>EARMARKED / ENDOWMENT FUND:</u>		
Pension Fund Contribution	-	64,74,372
Employees welfare fund	53,944	62,042
Student Aid Fund	13,15,478	12,44,700
Staff Development Fund	-	-
Institute Development Fund	-	-



RECEIPTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Student Welfare Fund	-	-
Departmental Promotion Fund	-	-
Total (A)	13,69,422	77,81,114
<u>Earmarked/ Endowment :</u>		
Corpus Fund:		
Corpus Fund		
Corpus fee received from Students	13,90,000	12,56,000
Migration fee (Charged under income of Corpus Fund)	1,350	1,900
Institute Share from Transcript fee & Verification Fee	-	7,20,090
Corpus Fund interest on Savings Bank	21,26,799	91,123
Interest earned during the Year from Investment	14,14,323	-
Depreciation Fund:		
Interest earned during the Year from Investment	13,13,659	-
Staff Development Fund:	-	
Interest earned during the Year from Investment	-81,390	-
Addition during the year	40,001	-
Maintenance Fund:	-	
Interest earned during the Year from Investment	14,26,655	-
Student Aid Fund	-	-
Total (B)	76,31,397	20,69,113
Grand Total (A+B)	90,00,819	98,50,227
<u>SPONSORED PROJECTS:</u>		
Grants Received against Sponsored Projects:		
MCIT : GoI	-	-
SERB : GoI	1,30,24,255	4,47,87,057
DST: GoI	3,94,45,565	3,53,94,699
MOESc	19,01,073	5,54,050
ICSSR	18,93,779	17,87,385
DEITY	1,17,10,379	1,07,21,056
CPRI	-	-
ARDB	29,40,644	1,17,633
NMHS	40,01,015	-
SPARC Scheme	1,27,72,361	1,51,57,405
CSIR	-	9,33,860



RECEIPTS :		Amount in Rupees
Particulars	Current Year	Previous Year
NBHM	6,93,200	-
GIAN	27,24,000	-
DBT Project	6,87,322	-
ASTEC	-	-
MSME	36	-
APIN	1,759	-
Other Project	15,75,000	9,75,000
IITGTIDF Project	38,00,000	28,00,000
Total	9,71,70,388	11,32,28,145
OTHER MISC. GRANTS/SPONSHORSHIP:		
Manish Roy Memorial Scholarship Fund	6,686	6,597
AICTE Project fund	1,00,000	
K.K Mrinalini Kroni Gold Medal Fund	3,343	3,299
Abhijit Hom Choudhury Memorial Award Fund	492	485
Saswata Purkayastha Memorial Fund	3,620	3,572
Prof. Gurudas Award Fund	3,00,888	-
GIAN Course Fee	57,501	-
GIAN FUND	-	3,28,000
START UP India	28	28
Payable to Project A/c	10,72,836	56,300
QIP Grants	649	634
Assam Samagra Siksha Abhiyan	20,22,000	-
Theft Recovery	5,000	-
Y20 Conclave payable	11,94,087	-
Yash Associates payable	43,88,033	-
Special Exam	-	1,75,000
To-STO online exam payable	-	34,398
West Bengal JEE	38,900	180
Academic Development Fee (MBA)	20,15,000	19,53,000
SPARC Scheme	-	-
Conference Fund payable	-	77,26,305
Contingency Dean (RC)	45,200	13,500
CSRL-CBT online exam payable	-	17,052



RECEIPTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Total	1,12,54,263	1,03,18,350
VI. Receipts against sponored Fellowships and Scholarships:		
Outside Scholarship	45,72,017	30,96,561
Doctoral Fellowship (ICSSR)	-	-
Total	45,72,017	30,96,561
INTEREST RECEIVED FROM EARMARKED FUND:		
Depreciation Fund Interest on Savings Account	7,08,567	16,781
Maintenance Fund Interest on Savings Account	5,49,600	23,826
Staff Dev Fund Interest on Savings Account	85,430	4,165
Kids Fund Interest on Savings Account	-	-
Total	13,43,597	44,772
Interest Earned		
Interest on Saving A/c		
Interest on Fees A/c	45,85,773	25,80,862
Interest on Scholarship A/c	2,73,454	2,58,720
Interest on Savings Bank A/c	4,03,183	3,43,407
Interest on Savings Bank A/c (Project)	16,83,958	14,91,633
Interest on TDS	-	-
Total	69,46,368	46,74,622
Interest Others		
Interest Others (from Plan/Non-plan Investment)	1,22,315	-
Total	1,22,315	-
Interest Against Project A/c		
Interest on Saving A/c (Sponsored projects a/c.)	-	-
Misc Receipts	-	-
Total	-	-
Investment with scheduled banks		
Investment (Corpus Fund)	44,83,19,868	-
Investment (Depreciation Fund)	16,97,33,248	-
Investment (Maintenanc Fund)	16,81,69,399	-
Investment (Staff Dev. Fund)	1,90,57,487	-
Investment (KIDs NITS Fund)	-	-
Investment (Nonplan)	67,33,27,664	-
Investment (Nonplan Fees)	43,57,078	-



RECEIPTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Investment (Plan- Margin Money A/C)	-	-
Total	1,48,29,64,744	-
Other Income (Including Prior Period Income)		
Income From Land & Building		
License Fee	48,93,444	41,35,002
Hire Charges for Shops Canteen and Office	16,61,227	3,87,200
Seat Rent/Hostel Room Rent	1,31,43,545	1,31,21,727
Guest House Room Rent	24,31,556	24,61,254
Electricity Consumption Receipts	95,59,610	80,70,023
Light & Water charges	87,60,045	82,51,350
Registration and Participation Fee	5,37,000	-
Other Income		
RTI Fees	-	190
Application Fee	14,54,335	71,02,328
Tender Form Fee	1,94,500	58,000
Institute Overhead on Project and Others	28,11,155	39,05,902
Misc Receipts	9,10,305	4,47,744
Institute Overhead on Consultancy	27,38,194	41,51,807
Late Fine/Penalty	48,600	3,04,418
Total	4,91,43,516	5,23,96,945
Margin Money for LC_Project	-	-
Total	-	-
OTHER DEPOSITS:		
Accrued Interest on Corpus Fund	2,55,84,794	-
Accrued Interest on Depreciation Fund	1,09,41,578	-
Accrued Interest on Maintenance Fund	1,09,40,214	-
Accrued Interest on Staff Dev Fund	36,64,234	-
Accrued Interest on Fee A/c	-1,46,744	-
Accrued Interest on Non Plan Fund	4,45,68,729	-
Electricity Consumption Receivable	3,29,058	2,74,409
House Rent/Licence Fee Recivable	37,140	2,68,073
Income tax (salary) receivable	1,89,310	-
Shops and Canteen rent receivable	1,38,988	1,88,699



RECEIPTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Receivable from Ripon Patgiri	38,170	-
Total	9,62,85,471	7,31,181
<u>Loans,Advances & Deposits</u>		
<u>Sundry Debtors</u>		
M.Tech 1st sem 2020 batch	-	-
Advance to Employees		
HTC Advance	15,600	-
LTC Advance	35,23,358	10,545
Other Advance To Employees		
Recoverable Advance	3,65,03,830	1,17,29,860
Recoverable Advance (Project)	40,000	2,39,600
TA Advance	25,29,181	31,01,058
TA Advance (Project)	-	2,05,000
Soft Loan (Staff)	3,54,236	2,25,344
Interest Free Loan	1,70,400	1,46,400
Receivable from Bidhan Chandra Sahoo	39,000	-
Deposit Work		
Receivable from CP Fund (Against Pension Contb.)	-	1,43,34,923
Advance to Debjani Suklabaidya	-	12,87,477
Advance to Dhanpat Kurmi	-	1,71,000
Advance to Gulanur Hussain Choudhury	-	9,99,658
Advance to Rajeshree Dey	-	5,12,000
Loan to ACODS 2022	-	3,00,000
Security for POL	-	1,62,084
IIT Bombay	-	57,00,000
Receivable from Project A/c	23,93,465	20,56,004
Receivable from Ram babu Kurmi	-	35,381
Receivable from Suhit Chakraborty	-	90
Sudev Podder	-	-
SPARCH Scheme receivable	-	9,94,031
Total	4,55,69,070	4,22,10,455



MISCELLANEOUS RECEIPTS INCLUDING STATUTORY RECEIPTS:		
RECEIPTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Provision -TAX:		
GST (PAYABLE)	66,84,709	55,34,424
GST (PAYABLE) Project	3,21,951	6,34,101
Income Tax (Against Salary & Contracts)	12,74,25,214	10,69,23,150
Income Tax -Project	49,636	3,110
Professional Tax	12,14,138	9,77,490
Professional Tax (Project)	-	-
Labour Cess	3,08,868	1,25,738
GSLI	4,74,850	4,66,050
EPF Subscription MR Employee	12,15,120	13,49,227
EPF Subscription Contractual Staff	14,16,522	10,90,108
GPF Advance Recovery	16,22,261	27,43,078
GPF Subscription	1,33,51,088	1,26,46,364
NPS Subscription	4,78,82,008	3,56,94,449
NPS Contribution	6,22,90,533	4,99,50,389
Total	26,42,56,898	21,81,37,678
CURRENT LIABILITIES		
OTHER DEPOSITS FROM STUDENTS:		
Hostel Caution Money	1,54,64,000	93,72,400
Institute Caution Money	1,44,40,000	71,00,000
Sundry Creditors & Others		
Vanguards Security Services & Systems	42,07,160	61,30,428
Earnest Money Deposit	95,13,385	1,13,26,957
Security Deposit	23,87,146	19,05,537
Performance Security (Project A/c)	1,99,479	-
Alumini Association Fee	13,93,500	12,88,500
Deposit Remittance	8,853	51,880
Recovery of Electricity Charges (Project)	10,303	27,436
Recovery of Licence Fee (Project)	18,970	35,840
Payable to Aimil Ltd (Project)	13,13,434	-
Payable to Alpher Erturk (Project)	5,850	-
Payable to Anne Murphy (Project)	2,31,100	-
Payable to Dibakar dutta (Project)	8,850	-
Payable to Diyali and Sunanda (Project)	4,98,000	-



RECEIPTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Payable to Institute Account (Project)	20	-
Payable to Marcela Rodrigues Machado (Project)	8,850	-
Payable to Mueller Andreas (Project)	2,51,850	-
Payable to Peter Lingren (Project)	6,68,787	-
Payable to Rukmi Dutta (Project)	10,92,196	-
Payable to Sarah Ansari (Project)	2,60,085	-
Payable to Tanmoy Mukhapadhyay (Project)	5,850	-
Payable to Vinay Air products (Project)	1,25,670	-
Payable to Xenia Space Zeeler (Project)	2,70,265	-
DSC Inspired Farhana Yashmin (Project)	59,867	8,89,673
DSC Inspired Baishali Bhattacharjee (Project)	8,15,044	4,46,844
High clouds steam technologis Pvt Ltd	66,258	-
CCTV Payable	14,36,960	14,96,605
DASA	10,000	-
Group Insurance Claim	17,15,016	-
Gymkhana	1,32,21,600	92,85,500
Leave Encashment Payable (Other Org)	11,49,720	-
Leave Encashment Payable	1,16,908	-
Gratuity fund from other organisation	15,80,865	-
Liability Towards DCRG	50,000	2,50,000
L.I.C.I Payable	36,01,886	37,19,600
Pension Fund Contribution (Other Org)	45,34,358	-
Mediclaime Insurance	25,43,620	22,55,370
Mess Establishment	1,21,82,500	1,15,04,925
Processing Charges	52,900	56,500
Refundable Excess Deposit	1,42,93,215	1,55,69,253
Student Mediclaime	-	1,84,118
Transcript Fee	14,75,200	13,23,100
RPS Project A/c	-	-
Verification fee	1,91,513	1,00,400
Recovery against Trainee Teachers (RD)	27,600	1,10,400
Unclassified receipts (Institute)	31,46,548	68,59,716
Unclassified receipts (Project)	2,30,000	-
BHM Fee	-	39,000



RECEIPTS :		Amount in Rupees	
Particulars	Current Year	Previous Year	
Comprehensive Consultancy Pvt ltd	-	8,64,000	
CEE 2018-23	59,125	-	
Conference fund payable	12,47,750	-	
CSAB Exp	6,73,261	6,03,183	
LD Charges payable (Project)	14,864	-	
CUET Exam Payable	19,41,116	-	
EDCIL India Ltd	42,30,090	76,82,771	
EED Consultancy and IPR payable	33,000	-	
ICCMA payable	3,89,000	-	
GM finance	-	15,961	
CCMT Exp	3,38,630	2,40,500	
CoMSO-2020 /2022	18,99,101	-	
ACODS 2022	-	13,43,710	
Salary (Teaching and Nonteaching) payable	3,82,76,352	-	
Pension (Teaching and Nonteaching) payable	97,17,836	4,96,614	
Salary (Contr) payable	14,88,156	-	
Salary (MR) Adhoc payable	13,76,601	-	
UGC NET Exam	-	71,640	
ICICSA 2022 payable	-	2,28,817	
ICWROEE	-	2,43,394	
INSA fellowship payable	19,610	30,000	
M.Tech self sponsored programme payable	-	1,14,000	
ASDMA payable	3,50,000	5,63,000	
NTPC payable	56,840	-	
NTEA payable	1,58,800	-	
Mottca 2024 payble	-	81,388	
JCA Exam Payble	-	5,000	
ADRE Exam payable	4,14,050	-	
MSME Champion	5,23,389	3,50,000	
AMST 2025 payable	29,000	-	
Association regst fee payable	91,000	-	
NTA/CSIR Payable	-	1,52,860	
Payable against Pay and Accounts officer (Audit)	8,39,230	-	
PM Viswakarma Capaex payable	4,50,000	-	



RECEIPTS :		Amount in Rupees	
Particulars	Current Year	Previous Year	
Payable against Academy of Embadded Technology Private Ltd	7,49,416	-	
Payable against Academic writting workshop	-	4,00,000	
Payable to Biswajit Basu	5,000	-	
Payable to Chain Siau Chen	5,000	-	
Payable to Abhisek Paul	-	10,000	
Payable to Ankita Das	-	16,000	
Payable to Badal Soni	-	27,689	
Payable to Bulin Singha	-	3,767	
Payable to PhD Students	-	1,59,000	
Payable to Rajeshree Dey	-	1,31,293	
Payable to Sambhu kurmi	-	3,500	
Payable to Subarna Saikia	-	5,000	
Payable to Wasim Arif	-	12,611	
Payable to Chayan Bhusan Deb	1,98,030	3,44,000	
Payable to Faizal Sahanawas	32,000	-	
Payable to Ikbal Bahar Choudhury	2,16,583	-	
Payable to Kedar Nath Das	50,000	-	
Payable to KV NIT Silchar	29,38,500	-	
Payable to Mihika Enterprise	4,009	-	
Payable to Monowar Hussain	11,562	-	
Payable to Powergrid Tele Service Ltd	65,968	-	
Payable to Prasanth J	13,139	-	
Payable to Raju Barbhuiya	26,760	-	
Payable to Souriya Mukherjee	12,245	-	
Payable to Ridge Advertisement	1,22,308	-	
Payable to Rituparna Das	1,853	-	
Payable to Rupjyoti Deb	25,635	-	
Payable to Shri Chaitanya Press	354	-	
Payable to Webstech Technologies Pvt Ltd	37,215	-	
Total	18,40,17,559	10,55,29,679	
Grand Total	4,41,76,47,828	2,41,52,48,649	

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
SCHEDULES FORMING PART OF RECEIPTS & PAYMENTS ACCOUNTS FOR THE YEAR ENDED 31ST MARCH 2025

PAYMENTS :	Amount in Rupees	
Particulars	Current Year	Previous Year
Establishment Expenses		
Salary Teach & Admin	58,65,78,867	54,17,81,780
Salary Class-III	7,45,24,005	1,51,18,452
Salary Class-IV	-	2,09,02,520
Salary of Cont. Staff (Teach/admin/III/IV)	2,12,84,570	1,87,83,908
Salary of MR Staff	1,74,29,496	1,61,86,581
Professional Dev Allowance	96,35,112	1,82,40,299
NPS Contribution	6,22,82,479	4,61,36,768
CPF Contribution	-	-
EPF Contribution on MR Salary	19,78,180	12,72,136
EPF Contribution on Contract Staff Salary	10,44,547	10,81,992
Mobile & Telephone Bill Reimbursement	6,64,539	7,57,524
Death Cum Ret. Gratuity	2,07,96,630	1,44,53,674
Pension	11,52,51,314	10,15,89,884
Pension Contribution on Deputation	10,47,487	-
Commuted Pension	2,34,29,920	1,55,58,690
Leave Encashment	2,02,24,157	94,09,658
Home Travel Concession	37,69,632	9,44,067
Leave Travel Concession	42,52,277	60,90,630
Medical Reimbursement	22,76,873	42,89,043
Medicine & Dispensary Exp	5,42,533	-
Children Education Allowance	30,374	2,42,000
Honorarium/Sitting Fees	6,42,412	16,47,023
Security Services	-	-
House Keeping	-	-
Joining Time T.A	1,22,782	99,842
Relocation Charges (Transportation)	5,16,527	3,68,568
Total	96,83,24,713	83,49,55,039
Academic Expenses		
Lab Consumable	21,49,746	12,81,704
Conferences / Seminar	14,16,704	16,79,903



PAYMENTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Examination Expenses	43,51,649	41,06,031
Convocation Expenses	47,25,518	32,49,314
Stipend to M.Tech/ Ph.D	14,33,69,238	17,95,27,431
Student Project Expenses	16,21,814	8,15,024
Library Contingency	-	-
Student orientation programme	6,90,555	3,45,639
Summer Term Course Exp	3,000	38,384
Workshop & Seminar expense	-	-
Academic audit Expense	66,705	92,331
Visiting Faculty remuneration	1,20,000	2,15,000
Student activity expenditure	9,76,722	2,57,480
Total	15,94,91,651	19,16,08,241
Administrative Expenses		
Electricity & Power Charges	4,02,53,002	4,16,34,295
Water and Electricity Charges to PHE	1,02,82,957	88,63,456
Solar Energy Charges	16,85,754	24,03,428
Postage Exp	1,42,827	1,27,434
Printing and Stationary Exp	47,79,575	36,12,735
Local Conveyance	37,960	51,569
TA/DA Expenses	26,28,255	16,36,854
Hospitality Exp/Refreshment	14,67,918	7,53,627
Audit Fees	8,39,230	5,87,620
Professional Fee & Legal Exp	12,13,861	7,39,912
Advertisement Expenses	22,46,920	14,24,659
News Paper & Periodicals	32,250	24,326
Training & Placement Expenses	6,74,058	2,44,683
Board & Committee Meeting	6,11,195	700
Computer Consumable Exp	5,31,334	5,87,040
Miscellaneous Exp	42,373	1,11,550
Gyan Sagar Exp	3,32,417	68,230
Celebration of National Day	29,09,423	22,19,441
NCC & NSS Activities	20,31,312	12,67,356
Promotion of Rashtriya Bhasha	2,05,554	12,766
Consumable	7,55,518	9,98,142



PAYMENTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Transit House rent	-	-
Innovation Lab Exp	1,37,327	2,52,307
Other Admin Exp	63,15,173	40,14,799
Short Term Training Programme	25,000	
NSDL Service Charges	57,740	49,616
Gymkhana Expenditure	29,73,521	18,21,812
Swachh Bharat Mission Exp	1,02,271	-
Ek Bharat Shrestha Bharat	3,00,262	-
Celebration Of foundation Day	-	5,97,879
Inter NIT Sports Meet	88,94,064	27,47,113
NABL expense	-	-
Medicine / Dispensary Exp expense	-	14,26,967
Registration / Nomination Fee	-	7,34,958
Insurance Exp- Assets	4,39,463	5,34,967
Institute Innovation Exp	11,83,977	-
NIT Conclave	23,315	5,52,510
Fine and penalty	4,14,197	40,81,132
Total	9,45,70,003	8,41,83,883
Transportation Expenses		
Vehicle Running Expenses	40,24,390	46,22,029
Insurance Exp- Vehicle	70,817	1,23,072
Total	40,95,207	47,45,101
Repairs and Maintenance Expenses		
Repairs & Maintenance- Building & Others	2,31,87,767	1,96,72,282
Maintenance of Furniture & Fixtures	10,41,278	91,807
Repairs and Maintenance- Tools & Equipments	31,10,187	35,77,888
Casual Work & Carriage	20,821	890
Gardening & Horticulture	1,03,66,415	1,00,99,241
Repairs & Maintenance- Electricity	25,86,447	21,50,640
Maintenance of D.G Set	1,58,79,685	1,66,02,018
Maintenance of Networking	58,57,140	33,53,112
Repairs & Maintenance of Guest House	5,60,888	3,69,520
AMC for IT Facility	72,97,190	10,30,777
Security Services	5,34,22,824	8,07,08,980



PAYMENTS :		Amount in Rupees	
Particulars	Current Year	Previous Year	
House Keeping	8,11,97,741	5,79,20,208	
Total	20,45,28,383	19,55,77,363	
Finance Cost			
Bank Charges	65,773	17,565	
Bank Charges (Project)	708		
Total	66,481	17,565	
Prior Period Expenses			
Repairs & Maintenance- Building & Others	-	-	
Total	-	-	
Other Expenses			
Support to Kendriya Vidyalaya	3,51,31,500	4,24,41,200	
Total	3,51,31,500	4,24,41,200	
<u>EARMARKED FUND / ENDOWMENT FUND :</u>			
Corpus Fee	-	1,87,000	
Student Aid Fund	-	12,000	
Student Welfare Fund	-	-	
Employees' Welfare Fund	-	-	
Corpus Fund	-	-	
Total	-	1,99,000	
<u>SPONSORED PROJECTS:</u>			
Expenditure against Sponsored Projects			
Capital Expenditure			
Equipment	2,49,32,485	1,80,37,474	
Computer	-	-	
Books	-	-	
Other Assets	-	7,02,485	
Revenue Expenditure	3,65,48,907	2,58,58,318	
Total	6,14,81,392	4,45,98,277	
<u>FELLOWSHIP / SCHOLARSHIP :</u>			
Outside Scholarship Payable	30,34,327	18,46,906	
Doctoral Fellowship (ICSSR)	-	-	
Total	30,34,327	18,46,906	
<u>INVESTMENTS & DEPOSITS:</u>			
OUT OF EARMARKED/ENDOWMENT FUNDS;			



PAYMENTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Corpus Fund Investment	30,68,80,100	-
Depreciation Fund Investment	18,26,23,500	-
Maintenance Fund Investment	18,14,37,000	-
Staff-Dev Fund Investment	2,27,90,000	-
Employees welfare fund	12,00,000	-
Student Aid Fund	1,20,00,000	-
Departmental Promotion Fund	61,60,000	-
Institute Development Fund	61,60,000	-
Student Welfare Fund	14,00,000	-
Total	72,06,50,600	-
OTHER INVESTMENT		
Investment (Recurring)	90,80,92,643	-
Investment (Award Fund)	5,25,000	-
Investment (Fee)	63,27,70,000	-
Total	1,54,13,87,643	-
OUT OF OWN FUNDS;		
Investment- LC Margin Money A/C	-	-
Total	-	-
EXPENDITURE ON FIXED ASSETS		
Software Developments	1,69,37,415	34,83,170
E-Journals	37,82,720	3,29,62,393
E-Books	15,86,752	22,75,680
Patent and Copyright	-	-
E-Books (Perpetual Assets)	83,14,247	58,93,923
Buildings		
Boys Hostel No.9	-	-
Renovation of Hostels	15,86,406	37,88,272
Renovation of Staff qtr.	47,11,759	4,15,906
Renovation of Inst. Building	43,29,492	72,09,956
Sports complex and Auditorium Building	14,56,711	-
Eatout Dhaba	6,97,416	-
Establishment of Science Tech and Innovation hub	-	29,21,257
Electrical Substation I & II	-	-
Sports field/Volly Ball/tennis/Batminton	-	-



PAYMENTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Campus Development/Beautification	5,53,851	5,81,848
Waiting Shed/Parking	14,84,427	-
DG Shed	-	-
New Administrative Building	12,30,835	-
New Lib. Building	-	3,74,529
Electrical renovation	1,81,646	-
<u>Roads & Bridges</u>		
Renovation of Internal Road and gate	77,49,681	37,05,989
Road & Power supply	1,46,26,778	2,81,767
Sewerage disposal system	-	34,23,064
<u>Tube wells and Water supply</u>		
Water Supply Distribution network	-	-
<u>Electrical Installation and Equipments</u>		
Electrical Equipment	88,21,670	1,30,24,452
<u>Plant, Machinery & Equipments</u>		
Audio Visual Equipments	8,30,854	23,45,129
Electrical Equipments	-	-
L.T.Line & U.G. Cabling	3,60,864	25,12,642
Lab Equipments	2,50,27,051	2,08,62,984
Furniture and Fixture Including Hostels	33,22,342	1,74,73,549
Office Equipments	-	-
Computer Peripherals	7,20,64,297	2,04,43,393
Books	42,92,375	30,71,434
Print Journals	1,91,782	2,04,869
Networking	1,70,156	3,29,07,325
Vehicle	8,47,100	-
Equipments of Health centre	8,25,440	2,42,000
Tools and equipment	-	5,06,385
Total	18,59,84,067	18,09,11,916
<u>CAPITAL WORK IN PROGRESS:</u>		
Boys Hostel-9 (WIP)	-	-
Director Bungalow (WIP)	-	-
Library Building (WIP)	-	-
Total	-	-



PAYMENTS :		Amount in Rupees
Particulars	Current Year	Previous Year
<u>PROVISIONS : (TAX)</u>		
Income Tax (Against Salary & Contrats)	11,78,35,722	10,69,55,431
GST	56,13,235	70,26,779
GST (Project)	3,21,951	7,86,643
Income Tax (Project)	49,636	3,110
Professional Tax	45,25,458	-
Professional Tax (Project)	-	-
Labour Cess Payable	16,60,936	-
Total	13,00,06,938	11,47,71,963
<u>Refund to Ministry</u>		
Refund from Project Account	4,12,10,872	7,78,84,227
Refund from Institute Account_TSA:		
NON RECURRING GRANT : RECEIVED FROM GOVT OF INDIA: OH-35	6,66,04,571	1,82,21,112
RECURRING GRANT: RECEIVED FROM GOVT OF INDIA OH-36 (SALARIES)	1,16,04,020	-
RECURRING GRANT: RECEIVED FROM GOVT OF INDIA OH-31 (GENERAL)	62,958	-
Total	11,94,82,421	9,61,05,339
<u>Loans,Advances & Deposits</u>		
<u>Sundry Debtors</u>		
<u>Advance to Employees</u>		
HTC Advance	15,600	-
LTC Advance	36,10,238	-
<u>Other Advance To Employees</u>		
Recoverable Advance	4,04,33,247	3,19,19,568
Recoverable Advance (Project)	2,55,000	4,39,600
TA Advance	16,59,888	41,66,500
TA Advance (Project)	-	2,05,000
Soft Loan (Staff)	2,00,000	2,00,000
Interest Free Loan (Festival Advance)	1,76,000	1,36,000
<u>Advances & Other Receivable on Capital A/c</u>		
<u>Deposit Work</u>		
Prepaid E journals	1,58,32,483	13,93,855
Prepaid E Books	47,23,249	-
Prepaid insurance	22,26,056	20,73,402
Advance to WAPCOS Ltd for GH 4	11,25,00,000	2,53,37,281



PAYMENTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Total	18,16,31,761	6,58,71,206
<u>Current Liabilities & Provisions</u>		
Hostel Caution Money	3,70,000	2,10,000
Institute Caution Money	26,29,000	75,91,000
Vanguards Security Services & Systems	51,52,959	-
Security service exp payable	66,06,860	
Earnest Money Deposit	1,02,12,242	33,25,825
Security Deposit	18,37,199	10,04,080
Performance Security (project)	1,99,479	1,67,424
GSLI Payable	20,68,900	-
EPF Subscription MR Employees	17,74,570	10,83,181
EPF Subscription FFW Workers' Society/Housekeeping	10,14,279	-
EPF Subscription Contract Staff	-	10,89,872
GPF Advance Recovery	15,23,361	27,43,078
GPF Subscription Payable (Others)	-	-
GPF Subscription Payable	1,23,86,420	1,28,16,364
CPF Subscription Payable	-	-
CPF Contribution Payable	6,31,15,094	-
NPS Subscription Payable	4,50,96,944	3,47,90,382
Conference Fund Payable	36,96,969	60,76,134
CPCB training prog payable	2,85,590	-
CPDA payable	12,08,469	-
CSRL-CBT online exam payable	-	9,000
CUET (UG) Exam payable	3,41,116	1,43,840
NTEA fee payable	1,26,500	-
NTPC payable	99,960	-
Academic Development Fee (MBA)	18,84,164	1,55,000
Electricity Recovery (Project A/c)	10,303	27,436
Recovery of Licence Fee (Project)	18,970	35,840
Payable to Aimil Ltd (Project)	13,13,434	-
Payable to Vinay Air products (Project)	1,25,670	-
MNDCS Coference (Project)	-	1,50,000
DSC Inspired Farhana Yashmin (Project)	59,867	8,89,673



PAYMENTS :		Amount in Rupees
Particulars	Current Year	Previous Year
DSC Inspired Baishali Bhattacharjee (Project)	8,15,044	4,46,844
High clouds steam technologis Pvt Ltd	66,258	-
Alumini Association Fee	10,000	12,000
CCTV Payable	5,88,629	8,52,929
Deposit Remittance	2,92,000	41,072
Deposit Remittance (Project A/c)	-	-
Group Insurance Claim	16,65,016	-
Gymkhana	77,49,910	24,31,635
Liability Towards DCRG	1,50,000	6,50,000
L.I.C.I Payable	30,38,301	37,09,138
Mediclaime Insurance	26,10,942	26,41,236
Mess Establishment	34,90,024	21,30,104
Refundable Excess Deposit	2,25,62,263	4,27,52,348
Salary teach/Admin Payable	5,17,42,594	-
Salary (contr)Admin Payable	44,10,328	-
Student Mediclaime	1,57,048	3,32,569
Transcript Fee	-	14,29,200
Pension payable	85,76,266	4,96,614
DG Set Maintenance payable	2,13,408	-
Gardening and Horticultural payable	7,86,425	-
Repair and Maintenance building payable	13,41,366	-
Lab consumable exp payable	1,29,845	-
House-keeping Exp Payable	49,68,744	-
ICCMA payable	3,80,527	-
ICRAME 2022-24 payable	5,42,086	-
NPS Contribution Payable	-	4,87,05,284
UGC Net Exam	-	15,757
Accods 2022	-	7,96,624
BHM Fees	-	84,000
Children Education Allowance Payable	41,85,000	36,72,000
Board & Committee Meeting exp payable	11,65,637	-
DASA	20,000	-
Stipend to M.Tech/ Ph.D Payable	1,27,51,125	-
Comprehensive consultancy pvt ltd payable	8,64,000	-



PAYMENTS :		Amount in Rupees	
Particulars	Current Year	Previous Year	
Vehicle Running Expenses payable	1,49,494	-	
Water and electricity charges payable	31,57,874	-	
Legal & Professional Fees Payable	2,33,640	-	
Unclassified Receipts	7,23,051	-	
Water and Electricity Charges to PHE payable	6,32,176	-	
Printing and Stationary Exp payable	22,650	-	
ADRE exam payable	1,07,460	-	
AICTE mentor mantee prg payable	2,25,000	-	
Association regst fee payable	90,000	-	
Provision Plan Others	16,887	-	
Provision Non Plan Others	-	-	
Verification Fee	1,50,000	1,71,000	
Academy of Emded Technology Pvt Ltd payable	7,49,416	-	
CCMT Expenses Payable	3,38,630	2,40,500	
Payable to Abhhek Paul	-	10,000	
Payable to Ankita Das	-	16,000	
Payable to Avishek Printers and Publisher	-	93,600	
Payable to Badal Soni	-	27,689	
Payable to Chayan Bhusan Deb	1,98,030	3,44,000	
Payable to Ikbai Bahara Choudhury	2,16,583	-	
Payable to Kedar Nath Das	50,000	-	
Payable to Powergrid tele service Ltd	65,968	-	
Payable to Raju Barbhuiya	26,760	-	
Payable to Rituparna Das	1,853	-	
Payable to Rupjyoti Deb	25,635	-	
Payable to Pay and Account officer _Audit	8,39,230	-	
Assam Samagra Siksha Abhiyan payable	18,03,522	-	
Solar Energy Charges payable	2,22,783	-	
Yash Associates payable	43,88,033	-	
Payable to Grade III / IV Exam	-	79,750	
Payable to PhD Students	-	1,59,000	
Payable to Sambhu kurmi	-	3,500	
Payable to Wasim Arif	-	12,611	
To-STO online exam payable	-	22,000	



PAYMENTS :		Amount in Rupees
Particulars	Current Year	Previous Year
Payable to Dhrubojyoti Das (Project)	-	21,774
Payable to Manashranjan Singh (Project)	-	9,032
CoMSO-2022	10,82,637	-
RSTTP 2024 payable	18,31,088	-
Refundable to CCMN	10,000	-
Prepaid E-Journals / Ebooks	-	3,28,68,360
GIAN Course fee	500	-
GIAN Fund	-	13,90,542
DST Inspire payable	-	34,880
ICICSA 2022 payable	-	1,72,062
ICWROEE 2024 payable	-	2,33,679
INSA fellowship payable	19,610	30,000
JCA exam payable	-	11,515
JoSSA CSAB Payable	6,41,837	1,94,595
Mottca 2024 Payable	-	81,388
MSME Champion payable	5,23,389	3,50,000
NTA/CSIR payable	-	45,000
Academic writing workshop payable	-	4,00,000
MSME Project payable	2,27,945	-
NDRAMM payable (ASDMA)	6,22,234	-
Payable to Project Account	8,47,626	56,300
AICTE STTP payable	1,00,000	-
TA/DA payable	4,70,446	-
Other Receivable		
RPS Project Recoverable	-	-
Receivable CSAB	2,14,499	4,31,588
Receivable from AICTE Mentor Mentee prog	1,51,291	-
Receivable from DK Baidya	-	13,467
Receivable from Niharendu Dhar	666	-
Receivable from Pulak Nath	540	-
Receivable from Ripon Patgiri	38,170	-
Receivable CCMT	3,35,000	-
Receivable From Project A/c	22,83,465	23,66,004
SPARC Receivable	-	9,94,031



PAYMENTS :		Amount in Rupees	
Particulars	Current Year	Previous Year	
TDS Receivable(IT Non Plan)	38,264	17,975	
TDS Receivable(Project)	66,949	-	
Receivable From Institute (Project A/c)	25,210	-	
IIT GHY Project Adv (Project A/c)	-	-	
IIT Bombay (Project A/c)	-	50,00,000	
Receivable From Institute account (Overhead Project)	-	48,400	
Advance to Dipak Nath	47,41,885	-	
Receivable from Bidhan Chandra Sahoo	39,000	-	
Receivable from Suhit Chakraborty	-	90	
Total	32,71,78,031	22,94,57,815	
Grand Total	4,73,70,45,118	2,08,72,90,813	

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
General Provident Fund and NPS ACCOUNT
BALANCE SHEET AS AT MARCH 31ST, 2025

(Amount in Rupees)

LIABILITIES	Current Year	Previous Year	ASSETS	Current Year	Previous Year
<u>CAPITAL FUND (GPF):</u>			<u>INVESTMENT:</u>		
Opening Balance	33,78,97,950	31,98,25,848	Investment with Bank	22,62,50,000	25,04,07,678
Less: Final Payment	4,63,76,027	1,44,48,030	Interest accrued on FD	8,84,01,101	9,13,75,335
Less: Fund towards Pension Fund transferred	11,53,67,477	64,74,372			
Balance	17,61,54,446	29,89,03,446	<u>CURRENT ASSETS:</u>		
Add: GPF Subscription	1,16,06,420	1,20,65,764	Advance to Subscriber	48,00,202	60,93,549
Add: GPF Subscription (Other Org)	17,08,308	-	Receivable from Institute (NPS Sub & Contr)	88,53,849	21,49,172
Add: Excess payment recovered	-	-	Receivable from Institute against GPF Subs.	-	
Add: Excess of Income Over Exp.	2,45,10,432	2,69,28,740	Receivable from Institute	-	-
Capital Fund	21,39,79,606	33,78,97,950	GPF Advance receivable from Institute	-	-
<u>CURRENT LIABILITIES & PROVISIONS:</u>					
Pension Fund Contribution Payable	11,53,67,477	-			
Total	32,93,47,083	33,78,97,950			
<u>NPS ACCOUNT:</u>			Cash at Bank (Account no. 10521278164)	2,05,34,879	1,30,51,771
Opening Balance	2,51,79,555	2,02,62,718			
Add: Subscription & Contribution (Received)	11,49,02,908	8,56,44,838			
Add: Subscription & Contribution (Other Org)	-	-			
Less: Paid during the year (NSDL)	12,05,89,515	8,07,28,001			
Total (Payable to NSDL)	1,94,92,948	2,51,79,555			
Grand Total	34,88,40,031	36,30,77,505	Grand Total	34,88,40,031	36,30,77,505

Date: The 25th June, 2025
Place: Silchar

Registrar

Director



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
GP Fund ACCOUNT
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED MARCH 31ST, 2025

(Amount in Rupees)

EXPENDITURE	Current Year	Previous Year	INCOME	Current Year	Previous Year
Bank charges	-	-	Interest Received on FD	30,51,474	-
			Interest Accrued on Investment:		
Excess of Income over Expenditure	2,45,10,432	2,69,28,740	On STDR	23,40,644	2,09,614
			On SBI Mutual Fund	1,84,45,805	2,59,35,015
			Interest received on Savings Account	6,72,509	7,84,111
			Other Receipt	-	-
Total	2,45,10,432	2,69,28,740	Total	2,45,10,432	2,69,28,740

Date: The 25th June, 2025

Place: Silchar

Registrar

Director



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM

GP Fund and NPS ACCOUNTS

RECEIPTS AND PAYMENTS ACCOUNTS FOR THE YEAR ENDED 31ST MARCH 2025

(Amount in Rupees)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
Opening Balance: (As on 01.04.2024)					
Cash at Bank	1,30,51,771	1,85,13,555	ACCUMULATED FUND:		
ACCUMULATED FUND:					
GPF Subscription	1,16,06,420	1,20,65,764	GPF Adv./Withdrawal		
GPF Subscription Received (Other Org)	17,08,308		Advance to Subscriber	6,55,026	29,00,000
GPF Advance Recovery	17,08,373	27,43,078	Pension Fund Contrb. Paid	-	64,74,372
NPS Subscription (Institute)	4,41,87,124	3,47,90,382	Final payment	4,61,36,027	1,44,48,030
NPS Contribution (Institute)	6,18,61,935	4,87,05,284	GPF Subscription Received (Other Org)	-	-
GPF Subscription Receivable (2023-24)	-	-	NPS Subscription (Institute)	5,03,00,809	3,36,36,614
NPS Contribution Receivable (2023-24)	12,45,105	-	NPS Contribution (Institute)	7,02,88,706	4,70,91,387
NPS Subscription Receivable (2023-24)	9,04,067	-	NPS Subscription payable	4,04,421	-
NPS Subscription payable	5,66,195	-	NPS Contribution payable	5,66,195	-
NPS Contribution payable	4,04,421	-			
			INVESTEMENT		
INVESTMENT			Investment (in SBI Mutual Fund _ STDR)	5,50,00,000	-
Investment Matured	7,91,57,678	-			
Accrued Interest Received (Maturity)	2,37,60,683	-			
INTEREST			EXPENSES		
Interest Received on FD	36,476	-	Bank Charges	-	-
Interest on SB A/c	6,72,509	7,84,111	Pension Fund Contribuion Payable last FY	-	-
Interest Received on MF	30,14,998	-	paid during the year.		
CURRENT LIABILITY			Closing Balance:		
Deposit Remittance	-	-	Cash at Bank (Account no. 10521278164)	2,05,34,879	1,30,51,771
Total	24,38,86,063	11,76,02,174	Total	24,38,86,063	11,76,02,174

Date: The 25th June, 2025

Place: Silchar

Registrar

Director



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM

GENERAL PROVIDENT FUND and NPS ACCOUNTS

Schedule of Investment & Interest accrued of G P Fund upto 31.03.2025

(Amount in Rupees)

Sl	Name of Bank	Fixed Deposit /Mutual Fund Account No	Dated	Face Value as on 31.03.2024	Addition during 2024-25	Matured/ Encashed during 2024-25	Face Value as on 31.03.2025	Accrued Intt. Earned upto 31.03.2024	Accrued Intt. earned during 2024-25	Accrued Intt. received during 2024-25	Intt Received during 2024-25	Accrued Interests Upto 31.03.2025
1	SBI NIT Sil	40888185662	31.03.2022	41,57,678	-	41,57,678	-	800	-	800	36,476	-
2	- do -	43326820888	07-09-2024	-	3,00,00,000	-	3,00,00,000	-	12,76,715	-	-	12,76,715
3	- do -	43326918874	07-09-2024	-	2,50,00,000	-	2,50,00,000	-	10,63,929	-	-	10,63,929
4	- do -	Mutual Fund	02.04.2019	16,00,00,000	-	-	16,00,00,000	6,62,66,861	1,74,63,571	-	-	8,37,30,433
5	- do -	Mutual Fund	27.01.2020	7,50,00,000	-	7,50,00,000	-	2,37,59,883	-	2,37,59,883	30,14,998	-
6	- do -	Mutual Fund	31.03.2022	1,12,50,000	-	-	1,12,50,000	13,47,791	9,82,234	-	-	23,30,025
Total Rs.				25,04,07,678	5,50,00,000	7,91,57,678	22,62,50,000	9,13,75,335	2,07,86,449	2,37,60,683	30,51,474	8,84,01,101

Date: The 25th June, 2025

Place: Silchar



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM

CONSULTANCY ACCOUNT

BALANCE SHEET FOR THE YEAR ENDED 31ST MARCH 2025

Liabilities	Current Year	Previous Year	Assets	Current Year	Previous Year
Consultancy Fund:			Current Assets:		
Cosultancy A/c	1,20,93,123	77,80,525	Loans & Advances (Asset)	3,25,000	2,90,000
Consultancy Receipts (Balance as on 01.04.2024)	1,15,49,344	1,20,05,373	Bank Account (No.10521277046)	2,78,87,629	2,30,41,913
Other Liabilities					
Unclassified	8,80,860	15,45,072			
Current Liabilities					
Duties & Taxes					
GST 18%	36,89,301	20,00,943			
Total	2,82,12,629	2,33,31,913	Total	2,82,12,629	2,33,31,913

Date : **The 25th June, 2025**

Place : **Silchar**

Registrar

Director



NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR : ASSAM
CONSULTANCY ACCOUNT
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31ST MARCH 2025

(Amount in Rupees)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
Opening Balance: (As on 01.04.2024)			Loans (Liability)		
Bank Account	2,30,41,913	1,93,45,411	Field Expenditure	1,80,602	59,550
Loan (Liability)			Staff Welfare Fund		37,042
Consultancy Fund	1,07,09,022	1,24,19,807	Consultancy Fund	78,18,003	1,13,66,559
Field Expenditure	1,80,602	59,550	Institute Overhead	27,38,843	41,51,807
Staff Welfare Fund	-	37,042	Current Liabilities		
Institute Overhead	27,38,194	41,51,807	Duties & Taxes		
Unclassified	5,27,248	15,45,072	GST 18%	4,53,902	16,11,110
			Income Tax	9,75,925	11,13,302
Current Liabilities			Current Assets		
Duties & Taxes			Loans & Advances (Asset)		
GST 18%	19,16,999	29,99,292	Rec Adv-Ashim Kanti Dey	85,000	1,70,000
Income Tax	9,75,925	11,13,302	Rec Adv-Kulkarni Vihangraj	-	1,00,000
Loans & Advances (Asset)			Rec Adv-Arjun Sil	-	20,000
Current Assets:			Closing Balance		
Rec Adv-Ashim Kanti Dey	50,000		Bank Account (No.10521277046)	2,78,87,629	2,30,41,913
Total	4,01,39,904	4,16,71,283	Total	4,01,39,904	4,16,71,283

Date: The 25th June, 2025
Place: Silchar

Registrar

Director



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

Cachar, Silchar, Assam 788010

BOARD OF HOSTEL MANAGEMENT (BHM)

BALANCE SHEET as on 31st March 2025

SOURCES OF FUNDS	Schedule	Current Year 2024-25
CORPUS / CAPITAL FUND	01	15,73,22,031.92
DESIGNATED/EARMARKED/ ENDOWMENT FUNDS		-
CAPITAL GRANTS/LOANS		-
CURRENT LIABILITIES & PROVISIONS	02	62,33,732.00
TOTAL		16,35,55,763.92

APPLICATION OF FUNDS	Schedule	Current Year 2024-25
FIXED ASSETS	03	
Tangible Assets		4,58,560.22
Intangible Assets		-
Capital Works-In-Progress		-
INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	04	5,30,64,385.00
INVESTMENTS - OTHERS		
CURRENT ASSETS	05	11,00,32,818.70
LOANS ADVANCES & DEPOSITS		-
TOTAL		16,35,55,763.92

Date: 25.06.2025

Place: Silchar

Registrar

Director



**NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
CACHAR, SILCHAR, ASSAM 788010**

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2025
BOARD OF HOSTEL MANAGEMENT (BHM)**

PARTICULARS	Schedule	Current Year 2024-25
INCOME		
Academic Receipts	06	27,95,04,133.64
Grants / Subsidies		-
Income from Investments	07	14,10,318.00
Interest Earned	08	19,31,459.00
Other Income	09	8,70,794.66
Prior Period Income		-
TOTAL (A)		28,37,16,705.30
EXPENDITURE		
Staff Payments & Benefits (Establishment Expenses)	10	70,48,404.00
Academic Expenses	11	5,72,36,611.00
Administrative and General Expenses	12	12,34,26,649.92
Transportation Expenses		-
Repair and Maintenance	13	3,53,651.00
Finance Cost	14	2,714.00
Other Expenses	15	31,19,221.18
Prior Period Expenses		-
Depreciation	03	38,609.68
Expenses from IRG		-
TOTAL (B)		19,12,25,860.78
Balance being Surplus / (Deficit) carried to Capital Fund		9,24,90,844.52

Date : 25.06.2025

Place : Silchar

Registrar

Director



BOARD OF HOSTEL MANAGEMENT (BHM), NIT Silchar

SCHEDULES FORMING PART OF BALANCE SHEET

SCHEDULE 1 - CORPUS / CAPITAL FUND

	Particulars		Current Year 2024-25
(A)	Capital Fund		
	Balance at the beginning of the year	6,48,31,187.40	
			6,48,31,187.40
Add:	Excess of Income over Expenditure	9,24,85,073.40	9,24,90,844.52
	GRAND TOTAL (A+B)		15,73,22,031.92
Less:	Deficit trf from the Income & Expenditure A/c		-
	Balance at the year end		15,73,22,031.92

Date: 25.06.2025

Place: Silchar



BOARD OF HOSTEL MANAGEMENT (BHM), NIT Silchar

SCHEDULE 2 - CURRENT LIABILITIES & PROVISIONS

Particulars		Current Year 2024-25
Current Liabilities		
(A) Sundry Deposits (Debt & Deposit)		
(i) Security Deposits		53,04,098.00
Bligent Hospitality Pvt. Ltd.	9,13,083.00	
Chayan Bhusan Deb	9,61,155.00	
Indigo Cattering service	9,36,714.00	
Swapan Chakarborty	13,64,651.00	
Sumeet Sicurity sercice	3,21,494.00	
The Cattering Room	8,07,001.00	
(ii) Sundry Creditors		2,95,064.00
Sons Communication	17,700.00	
The Cattering Room	2,77,364.00	
Total		55,99,162.00
(B) Statutory Payable		
(i) EPF Payable	1,04,815.00	1,10,723.00
(ii) Professional tax	5,908.00	
Total		
(C) Others Payables		
(i) Salary Payable		5,23,847.00
Total		62,33,732.00

Date: 25.06.2025

Place: Silchar



BOARD OF HOSTEL MANAGEMENT (BHM), NIT Silchar

SCHEDULE 3 - FIXED ASSETS

Amounts in Rupees

S.No	ASSET HEADS	GROSS BLOCK				DEPRECIATION FOR THE YEAR 2024-25					NET BLOCK
		OP. BAL 01.04.2022	ADDITIONS	DEDUCTIONS	CL. BALANCE	RATE OF DEPRECIATION (%)	DEP OPENING BALANCE	DEPRECIATION FOR THE YEAR	DEDUCTIONS/ ADJUSTMENTS	TOTAL DEPRECIATION	31.03.2025
1	Almirah		38,420.00	-	38,420.00	7.50%	-	2,881.50	-	2,881.50	35,538.50
2	Aqua Gard		78,477.00	-	78,477.00	5.00%	-	3,923.00	-	3,923.00	74,554.00
3	CC TV		37,708.00	-	37,708.00	5.00%	-	1,885.00	-	1,885.00	35,823.00
4	Kitchen Equipment		2,41,781.00	-	2,41,781.00	5.00%	-	12,089.00	-	12,089.00	2,29,692.00
5	Printer		82,183.90	-	82,183.90	20.00%	-	16,436.18	-	16,436.18	65,747.72
6	Furniture		18,600.00	-	18,600.00	7.50%	-	1,395.00	-	1,395.00	17,205.00
TOTAL (A)				-	4,97,169.90			38,609.68	-	38,609.68	4,58,560.22

Date: 25.06.2025

Place: Silchar



BOARD OF HOSTEL MANAGEMENT (BHM), NIT Silchar

SCHEDULE 4 - INVESTMENTS

Sl.no	Particulars	Current Year 2024-25	
Fixed Deposits (Current Assets)			
1	National Institute of Technology Silchar-34340273092	86,86,941.00	
2	National Institute of Technology Silchar-37472499019	94,77,834.00	
3	National Institute of Technology Silchar-37681350773	33,81,115.00	
4	National Institute of Technology Silchar-38527447799	90,59,552.00	
5	National Institute of Technology Silchar-38527451874	34,07,354.00	
6	National Institute of Technology Silchar-38527452039	13,09,493.00	
7	National Institute of Technology Silchar-39436061812	1,06,08,865.00	
8	National Institute of Technology Silchar-39436062351	32,16,319.00	
9	National Institute of Technology Silchar-39436062838	12,09,236.00	
10	National Institute of Technology Silchar-39156770291	27,07,676.00	
	TOTAL		5,30,64,385.00

SCHEDULE -5 Current Assets

Sl.no	Particulars	Current Year 2024-25	
Advance Salary			21,000.00
FD Accrue Interest			
1	National Institute of Technology Silchar-34340273092	5,94,305.00	
2	National Institute of Technology Silchar-37472499019	2,25,387.00	
3	National Institute of Technology Silchar-37681350773	19,467.00	
4	National Institute of Technology Silchar-38527447799	1,21,808.00	
5	National Institute of Technology Silchar-38527451874	45,813.00	
6	National Institute of Technology Silchar-38527452039	17,606.00	
7	National Institute of Technology Silchar-39436061812	1,61,915.00	
8	National Institute of Technology Silchar-39436062351	49,087.00	
9	National Institute of Technology Silchar-39436062838	18,455.00	
10	National Institute of Technology Silchar-39156770291	1,56,475.00	14,10,318.00
	Total		14,31,318.00



Sl.no	Particulars	Current Year 2024-25	
(a)	Bank balance with schedule bank		
1	ASSOCIATE WARDEN GIRLS HOSTEL 1(B)-38904879786	9,247.00	
2	ASSOC WARDEN GH-3-37218225812	1,26,766.58	
3	C V RAMAN HALL 9C NIT SILCHAR REC SILCHAR,DIST CACHAR,SILCHAR-39169587316	7,229.50	
4	GIRLS HOSTEL NO 1(A)-38904854241	19,726.00	
5	JC BOSE HALL 9A-38902883456	357.36	
6	BHM NIT Silchar-10521277772	5,06,35,369.37	
7	SRINIVASA RAMANUJAN HALL 9(B) 38904874926	34,055.02	
8	NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43034202668	4,90,54,078.92	
9	NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43615592126	40,07,000.00	
10	VIKRAM SARABHAI HALL 9D-38918160756	1,06,343.50	
11	WARDEN GIRLS HOSTEL NO-1-31701633958	4,19,736.64	
12	WARDEN GIRLS HOSTEL NO-2- 30936505642	7,62,360.09	
13	WARDEN HOSTEL NO-1 31701670220	1,86,167.75	
14	WARDEN HOSTEL NO-2 31701661782	2,69,501.30	
15	WARDEN HOSTEL NO-3 31701659739	3,29,099.98	
16	WARDEN HOSTEL NO-4 31701658260	4,45,224.53	
17	WARDEN HOSTEL NO-5 31701655485	3,22,566.10	
18	WARDEN HOSTEL NO-6 31701644199	20,19,489.66	
19	WARDEN HOSTEL NO-7 31701641198	6,56,146.95	
20	WARDEN HOSTEL NO-8 31402987908	53,154.62	
21	WARDEN PG HOSTEL 32637844263	5,48,197.83	11,00,11,818.70
	Total		11,00,32,818.70

Date: 25.06.2025

Place: Silchar



BOARD OF HOSTEL MANAGEMENT (BHM), NIT Silchar

SCHEDULE 6 - ACADEMIC RECEIPTS

Particulars	Current Year 2024-25	
A. Academic		
1. Mess Fee Receive	27,93,79,306.64	27,93,79,306.64
C. Other Fee		
1. Fine/Misc Fee	1,24,827.00	1,24,827.00
TOTAL		27,95,04,133.64

Date: 25.06.2025

Place: Silchar



BOARD OF HOSTEL MANAGEMENT (BHM), NIT Silchar

SCHEDULE 07 - INCOME FROM INVESTMENTS

Particulars	Current Year 2024-25	
Interest on Security Deposit		
Int on Term Deposits :-		
National Institute of Technology Silchar-34340273092	19,467.00	
National Institute of Technology Silchar-37472499019	1,21,808.00	
National Institute of Technology Silchar-37681350773	45,813.00	
National Institute of Technology Silchar-38527447799	17,606.00	
National Institute of Technology Silchar-38527451874	1,61,915.00	
National Institute of Technology Silchar-38527452039	49,087.00	
National Institute of Technology Silchar-39436061812	18,455.00	
National Institute of Technology Silchar-39436062351	1,56,475.00	
National Institute of Technology Silchar-39436062838	5,94,305.00	
National Institute of Technology Silchar-39156770291	2,25,387.00	14,10,318.00
TOTAL		14,10,318.00

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SCHEDULE 8 - INTEREST EARNED

Particulars	Current Year 2024-25	
ASSOCIATE WARDEN GIRLS HOSTEL 1(B)-38904879786	245.00	
ASSOC WARDEN GH-3-37218225812	3,359.00	
C V RAMAN HALL 9C NIT SILCHAR REC SILCHAR,DIST CACHAR,SILCHAR-39169587316	192.00	
GIRLS HOSTEL NO 1(A)-38904854241	522.00	
JC BOSE HALL 9A-38902883456	21.00	
BHM NIT Silchar-10521277772	2,24,495.00	
SRINIVASA RAMANUJAN HALL 9(B) 38904874926	888.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43034202668	3,39,309.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43701126224	7,586.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42929447850	4,846.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42520455998	3,41,001.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42831657888	13,487.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43185362095	6,528.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43379263573	6,68,909.00	



NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43615592126	1,09,754.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42347492451	42,829.00	
VIKRAM SARABHAI HALL 9D-38918160756	4,100.00	
WARDEN GIRLS HOSTEL NO-1-31701633958	11,216.00	
WARDEN GIRLS HOSTEL NO-2- 30936505642	22,812.00	
WARDEN HOSTEL NO-1 31701670220	5,020.00	
WARDEN HOSTEL NO-2 31701661782	7,141.00	
WARDEN HOSTEL NO-3 31701659739	8,789.00	
WARDEN HOSTEL NO-4 31701658260	12,493.00	
WARDEN HOSTEL NO-5 31701655485	8,547.00	
WARDEN HOSTEL NO-6 31701644199	53,815.00	
WARDEN HOSTEL NO-7 31701641198	17,486.00	
WARDEN HOSTEL NO-8 31402987908	692.00	
WARDEN PG HOSTEL 32637844263	15,377.00	
TOTAL		19,31,459.00

Date: 25.06.2025

Place: Silchar



BOARD OF HOSTEL MANAGEMENT (BHM), NIT Silchar

SCHEDULE 09 - OTHER INCOME

Particulars	Current Year 2024-25	
A. Income from Land and Building		
1. Hostel Room Rent Fee Receipt	3,600.00	
Total (A)		3,600.00
B. Others		
3. Misc Income	1,194.66	
11. Panalty & Fine	8,66,000.00	
Total (B)		8,67,194.66
TOTAL		8,70,794.66

SCHEDULE 10 - STAFF PAYMENTS & BENEFITS (Establishment Expenses)

Particulars	Current Year 2024-25	
a) Salary and Wages		
Adm & Tech Staff Regular	70,12,654.00	70,12,654.00
e) Honorarium	35,750.00	35,750.00
Total Staff payment & Benefit		70,48,404.00
TOTAL		70,48,404.00

SCHEDULE 11 - ACADEMIC EXPENSES

Particulars	Current Year 2024-25	
j) Cultarel Pogram (Spardha 3.0)	32,488.00	
k) Excess Fees Refund	5,71,80,723.00	
l) Sports exp	23,400.00	
TOTAL		5,72,36,611.00

Date: 25.06.2025

Place: Silchar



BOARD OF HOSTEL MANAGEMENT (BHM), NIT Silchar

SCHEDULE 12 - ADMINISTRATIVE AND GENERAL EXPENSES

Particulars	Current Year 2024-25	
B. Departmental Operating Cost		12,32,77,686.56
Mess Food Expenses	12,29,61,492.56	
LPG	3,16,194.00	
D. Advertisement and Publicity	17,700.00	17,700.00
F. Others		
a) Printing and Stationery	70,352.36	1,31,263.36
b) Travelling and Conveyance Expenses	27,031.00	
c) Sound System Hiaring	11,800.00	
f) Projectar & Scaner Fair	7,080.00	
g) Patty Cash	15,000.00	
Total Administrative and General Exp		12,34,26,649.92

SCHEDULE 13 - REPAIRS AND MAINTENANCE

Particulars	Current Year 2024-25	
a) Repair & Maintenance (General)	3,53,651.00	
Total		3,53,651.00

SCHEDULE 14 - FINANCE COST

Particulars	Current Year 2024-25	
a) Bank Charges	2,714.00	
Total		2,714.00

SCHEDULE 15 - OTHER EXPENSES

Particulars	Current Year 2024-25	
a) CGST	1,18,983.97	
b) SGST	1,18,983.97	
c) EPF & ESI	5,02,404.00	
d) PF Admin Charges	38,740.00	
e) Misc. Purchase	1,50,263.24	
e) Festival Exp	20,33,042.00	
f) Others	1,56,804.00	
Total		31,19,221.18

Date: 25.06.2025

Place: Silchar



BOARD OF HOSTEL MANAGEMENT (BHM), NIT SILCHAR

Receipts and Payments

1-Apr-2024 to 31-Mar-2025

Receipts	Amount (Rs)	Payments	Amount (Rs)
Opening Balance		Current Liabilities	
Bank Accounts (Schedule 1)	4,49,19,440	Caution Money	1,08,750
Hostel Receipt		Provisions	
Hostel Mess Fees	27,94,98,026	EPF payable	3,18,756
		Salary payable	5,58,888
Interest Earned (Schedule 2)	19,31,459	EPF Admin Charges payable	13,332
			8,90,976
Other Income	4,795	Sundry Creditors	
		Sundry Deposit (Debt & Deposit)	52,92,048
		Fixed Assets	
		Kitchen Equipment	2,18,646
		Printer	76,019
		CCTV	34,880
		Furniture	17,205
		Aqua Guard	70,499
		Almirah	35,538
			4,52,787
		Academic	
		Excess fees refund	5,71,80,723
		Administrative Expenses	
		Staff Payment & Benefit	58,34,806
		EPF	4,54,524
			62,89,330
		Others	
		Hostel food Expenses	14,26,19,002
		LPG	3,16,194
		Misc Purchase	1,43,463



		Petty Expenses	15,000
		PF Admin Charges	34,750
		Printing & Stationary	70,352
		Projector	7,080
		Remuneration	35,750
		Repair & Maintance	3,53,651
		Spardha 3.0	32,488
		Sports Item	23,400
		Transport Charges	27,031
		Diwali Expense	20,33,042
		Bank Charges	2,714
		Misc Expenses	1,60,309
		CGST	1,18,983
		SGST	1,18,983
		Sound System Hiring	11,800
		Tea Expenses	3,295
			14,61,27,287
		Closing Balance	
		Bank Accounts	11,00,11,819
Total	32,63,53,720	Total	32,63,53,720

Date: 25/06/2025

Place: Silchar

Registrar

Director



BOARD OF HOSTEL MANAGEMENT (BHM), NIT SILCHAR

SCHEDULE 1 - BANK ACCOUNT

Particulars	2024-25	
ASSOCIATE WARDEN GIRLS HOSTEL 1(B)-38904879786	9,002.00	
ASSOC WARDEN GH-3-37218225812	1,23,407.58	
	7,037.50	
C V RAMAN HALL 9C NIT SILCHAR REC SILCHAR,DIST CACHAR,SILCHAR-39169587316		
GIRLS HOSTEL NO 1(A)-38904854241	19,204.00	
JC BOSE HALL 9A-38902883456	1,336.36	
BHM NIT Silchar-10521277772	4,17,863.47	
SRINIVASA RAMANUJAN HALL 9(B) 38904874926	34,137.02	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43034202668	-	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43701126224	-	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42929447850	-	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42520455998	2,00,42,717.18	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42831657888	1,66,10,000.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43185362095	-	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43379263573	-	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43615592126	-	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42347492451	13,47,000.00	
VIKRAM SARABHAI HALL 9D-38918160756	1,76,813.50	
WARDEN GIRLS HOSTEL NO-1-31701633958	4,19,200.64	
WARDEN GIRLS HOSTEL NO-2- 30936505642	8,62,367.09	
WARDEN HOSTEL NO-1 31701670220	1,80,987.75	
WARDEN HOSTEL NO-2 31701661782	2,62,360.30	
WARDEN HOSTEL NO-3 31701659739	3,26,460.98	
WARDEN HOSTEL NO-4 31701658260	5,12,119.53	
WARDEN HOSTEL NO-5 31701655485	3,14,019.10	
WARDEN HOSTEL NO-6 31701644199	19,97,218.66	
WARDEN HOSTEL NO-7 31701641198	6,44,660.95	
WARDEN HOSTEL NO-8 31402987908	2,525.62	
WARDEN PG HOSTEL 32637844263	6,09,001.17	
TOTAL		4,49,19,440.40

Date: 25/06/2025

Place: Silchar



BOARD OF HOSTEL MANAGEMENT (BHM), NIT SILCHAR

SCHEDULE 2 - INTEREST EARNED

Particulars	2024-25	
ASSOCIATE WARDEN GIRLS HOSTEL 1(B)-38904879786	245.00	
ASSOC WARDEN GH-3-37218225812	3,359.00	
	192.00	
C V RAMAN HALL 9C NIT SILCHAR REC SILCHAR,DIST CACHAR,SILCHAR-39169587316		
GIRLS HOSTEL NO 1(A)-38904854241	522.00	
JC BOSE HALL 9A-38902883456	21.00	
BHM NIT Silchar-10521277772	2,24,495.00	
SRINIVASA RAMANUJAN HALL 9(B) 38904874926	888.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43034202668	3,39,309.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43701126224	7,586.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42929447850	4,846.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42520455998	3,41,001.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42831657888	13,487.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43185362095	6,528.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43379263573	6,68,909.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-43615592126	1,09,754.00	
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-42347492451	42,829.00	
VIKRAM SARABHAI HALL 9D-38918160756	4,100.00	
WARDEN GIRLS HOSTEL NO-1-31701633958	11,216.00	
WARDEN GIRLS HOSTEL NO-2- 30936505642	22,812.00	
WARDEN HOSTEL NO-1 31701670220	5,020.00	
WARDEN HOSTEL NO-2 31701661782	7,141.00	
WARDEN HOSTEL NO-3 31701659739	8,789.00	
WARDEN HOSTEL NO-4 31701658260	12,493.00	
WARDEN HOSTEL NO-5 31701655485	8,547.00	
WARDEN HOSTEL NO-6 31701644199	53,815.00	
WARDEN HOSTEL NO-7 31701641198	17,486.00	
WARDEN HOSTEL NO-8 31402987908	692.00	
WARDEN PG HOSTEL 32637844263	15,377.00	
TOTAL		19,31,459.00

Date: 25/06/2025

Place: Silchar



BOARD OF HOSTEL MANAGEMENT, NIT SILCHAR

SCHEDULE – 16

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.
- 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 Board of Hostel Management, NIT Silchar at the rate as prescribed.

However, assets register has been prepared for assets purchased from 1st April 2024 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/centers/sections are treated as consumed during the year of purchase and booked to revenue expenditure.
- 5.**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. 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.
- 6.**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.
- 7.**Statutory payment:** TDS as per Income Tax and TDS as per GST could not be computed, since BHM did not deduct TDS as per Income Tax, and TDS as per GST Act and not paid it to government account. So we did not made any accounting treatment for the same.

Date: 25.06.2025

Place: Silchar

Registrar

Director



BOARD OF HOSTEL MANAGEMENT, NIT SILCHAR

SCHEDULE – 17

CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

1. Contingent liabilities: There is no Contingent Liability to be incurred
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. Schedule 01 to 17 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.

Date: 25.06.2025

Place: Silchar

Registrar

Director

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