



**INDIAN INSTITUTE OF INFORMATION
TECHNOLOGY, GUWAHATI**



**Annual Report
2024-25**



Contents

Director's Message	2
Board of Governors	3
Building and Works Committee	3- 4
Senate	4
Finance Committee	4
Academics	5 -10
Faculty & Staff	11-12
Research and Development	13-20
Department of Computer Science & Engineering	21-29
Department of Electronics & Communication Engineering	30-41
Department of Sciences & Mathematics	42-46
Department of Humanities & Social Sciences	47-55
External Relations and Placement	56-59
Officers and Other Functionaries of the Institute	60
Staff of the Institute	61-62
Students' activities	63-75
Budget & Expenditure Summary	76
Picture Gallery	77-93

Director's Message

The Indian Institute of Information Technology, Guwahati (IIITG), Annual Report for 2024-25 reflects a period of our robust growth in academics, research, and innovation, underpinned by strong governance. The institute successfully maintained a total student strength of **1152** across its B.Tech, M.Tech, and PhD programs, supported by 51 faculty and 26 staff members including Officers.

The **Research and Development (R&D)** sector showed significant progress, securing new sponsored projects in cutting-edge domains. Key R&D thrust areas include **Legal Intelligence (LIDSS)**, developing secure computing paradigms to combat cache side channel attacks, and advancements in **Next-Gen 6G Wireless Communications** utilizing AI and Quantum Computing. The institute also engaged in valuable consultancy work with both government agencies, such as the Government of Assam, and private financial firms.

IIITG is actively cultivating an entrepreneurial ecosystem through its **Innovation and Entrepreneurship (I&E) Cell**. Highlights include the annual I&E fest '**Inizio**' and hosting a national-level **Agritech Hackathon**. The report confirms the institute's commitment to supporting startups, including the incubation of ventures founded by faculty members.

Student life was vibrant, centered around the cultural fest **Yuvaan 2025** and the technical fest **Entropy 2024**, which featured events like the coding competition, **Debuggers**, and an **E-Sports** tournament. Overall, the report details an institution focused on both academic excellence and practical, high-impact technological development.

The placement status for the 2024-25 batch was successful. A total of **206** students registered for the placement drive, resulting in **163** total job offers. The **overall average salary package was 16.68 LPA** (Lakhs Per Annum). The Computer Science and Engineering (CSE) department saw 151 registered students, generating 129 offers with an average salary of **17.56 LPA**. The Electronics and Communication Engineering (ECE) department reported 55 registered students, securing 34 offers and achieving an average salary of **13.59 LPA**.

Board of Governors

The members of the Board of Governors (BOG) during the year and the report are as below:

- Mr. Satyabrata Dey, Chairman (MD. Sreeleathers Ltd.)
- Principal Secretary, Member (Dept. of Education, Govt. of Assam)
- Dr. Priyank Chaturvedi, Member (Director IIITs, MOE, Govt. of India)
- Mr. Dhruvajyoti Borah, (State Govt. Nominee- Director of Technical Education, Assam)
- Mr. Trailukya Buragohain, (Director, Operation, M/s. Oil India Ltd.)
- Dr. Arijit Mukherjee, (Principal Scientist- TCS)
- Prof. Ashis Mukherjee, (Director IASST Guwahati)
- Ms. Shakuntala Gamlin, IAS (Retd)
- Prof. P.J. Narayanan, (Ex-Director, IIIT Hyderabad)
- Prof. Ranjan Bose, (Director, IIIT Delhi)
- Prof. Devendra Jalihal, (Director, IIT Guwahati)
- Prof. Ferdous Ahmed Barbhuyia, (Professor CSE, IIIT Guwahati)
- Dr. Bidisha Dasgupta, (Associate Professor ECE, IIIT Guwahati)
- Prof. Sarat Kr. Patra, (Director, IIIT Guwahati)
- Dr. Pallav Baruah, (Registrar In-Charge) of the Institute is the Secretary of the Board

Building and Works Committee (BWC)

The members of the Building Works Committee (BWC) during the year and the report is as below;

- Prof. Sarat Kr. Patra, Director, IIIT Guwahati – Chairman
- Principal Secretary, Department of Higher Education, Govt. of Assam or his Nominee-Member
- Prof. Arvind Singh, Deptt. of Civil Engg., IIT Guwahati, (Nominee of Ministry of Education, GoI) -Member,
- Prof Anjan Dutta, Civil Engg. & Former Dean, IIT Guwahati-Member
- Mr. Kaushik Basu, AGM, TCS-Member
- Mr. G.C. Das, former SE, PWD(Bldg), Assam-Member
- Prof. Ferdous A. Barbhuiya, Dean(Administration), IIIT Guwahati-Member

- Mr. Nirupam Roy, Addl. SE & HOS (Engineering-Construction) IIT Guwahati, Special Invitee
- Dr. Pallav Baruah, Estate Officer IIIT Guwahati (Secretary)

Senate

The members of the Senate during the year and a report is as below:

1. Prof. Sarat Kr. Patra, (Chairman, Director IIIT Guwahati)
2. Prof. Pranab Jyoti Das (External Member)
3. Prof. Dhruva Kr. Bhattacharyya (External Member)
4. Prof. Samarendra Dandapat (External Member)
5. Prof. Prabin Kr. Bora (External Member)
6. Prof. Pradip K. Das (External Member)
7. Prof. Ganesh Chandra Wary (External Member)
8. All Deans/Associate Deans & HoDs of the Institute
9. All faculty in the posts of Assistant Professor and above are special invitees to the Senate till the Institute has a reasonable number of Professors
10. Dr. Pallav Baruah (Registrar In-Charge & Non-member Secretary to the Senate)

The Senate met 3 times on 18th December 2024 (30th Senate), 21 April 2025 (31st Senate) and 11th June 2025 (32nd Senate).

Finance Committee

The Members of the Finance Committee during the year under report are as below:

- Mr. Satyabrata Dey, Chairman (MD Sreeleathers Ltd.)
- Mr. Subrata Ghosh, Member (SREI)
- Prof. Sarat Kr. Patra, (Director, IIIT Guwahati) from 15th April 2024
- Dr. Pallav Baruah, Registrar and Secretary Finance Committee
- Mr. Mriganka Dutta Saikia, Deputy Registrar, Finance & Accounts, Invitee
- Mr. Rajat Hansaria (Chartered Accountants), Institute Internal Auditor, Invitee

Academics

ADMISSIONS

B.Tech Programme

Students are admitted through the Joint Entrance Examination (JEE) conducted by the National Testing Agency for Centrally Funded Technical Institutes. Reservations of seats are as per the Central Educational Institutions (Reservation in Admission) Act, 2006. B.Tech programmes in CSE and ECE were started in 2013. The sanctioned strength in 2024 was 254 (CSE: 165, ECE: 89). 20% of these seats were added as super-numerary seats for girl students and 10% reservations for EWS was incorporated, without reducing the number of general category seats, resulting in an intake of 254. The actual number of students who remained after initial drop-outs was 239 (CSE- 156, ECE- 83).

M.Tech Programme

M.Tech programmes in CSE and ECE which were started in 2018 had an intake of 124 (CSE 62, ECE 62) in 2024. The actual number of students who joined were 64 [CSE (On-Campus) – 24, CSE (Online) - 19, ECE-CSP (On-Campus) – 2, ECE-CSP (Online) – 7, ECE-VLSI - 12].

PhD Programme

The following number of students were admitted to the PhD programme in 2024-25

Department	Full- Time	Part- Time	Total
CSE	13	4	17
ECE	9	1	10
S&M	2	0	2
HSS	1	1	2
Total	25	6	31

Student Profile

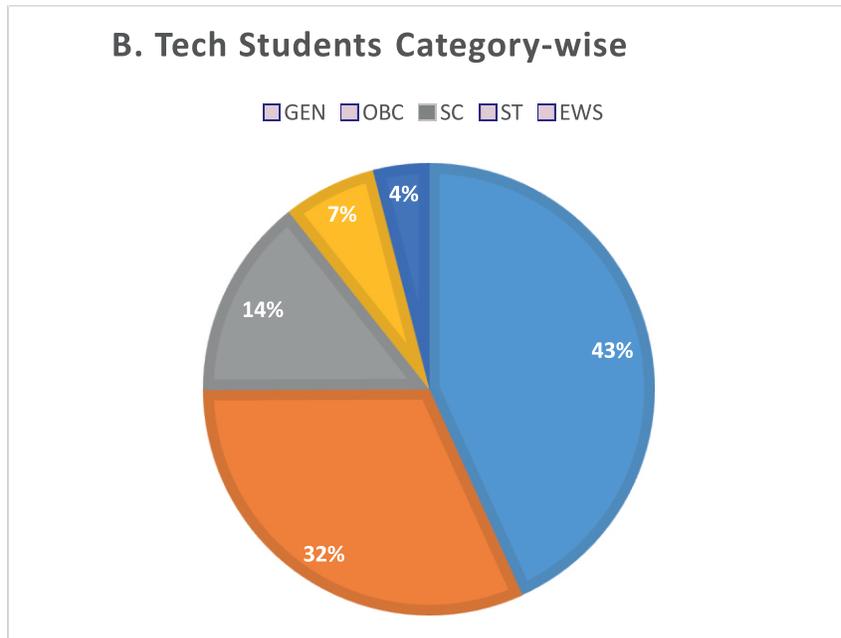
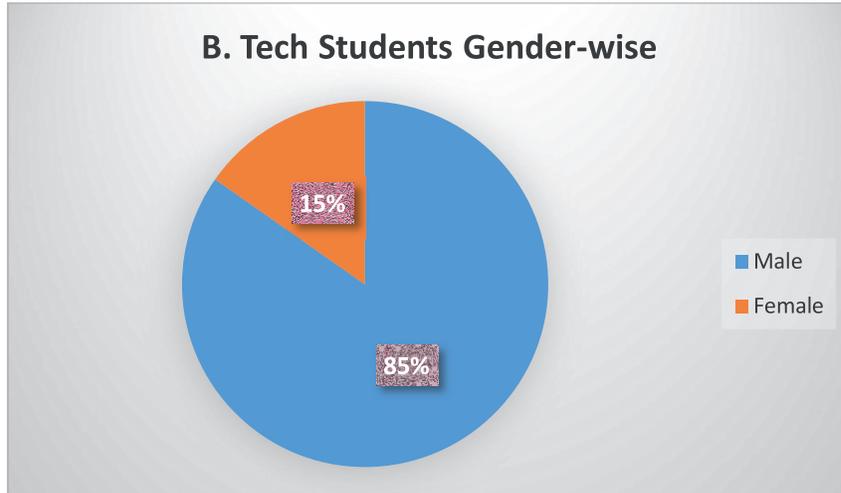
At the end of March 2025, there were 1152 students in the Institute with the following profile:

Batch	Male	Female	GEN	OBC	SC	ST	EWS	Total
B.Tech CSE 2021	135	26	80	48	22	11	0	161
B.Tech ECE 2021	54	7	25	25	8	3	0	61
B.Tech CSE 2022	141	26	77	51	23	11	5	167

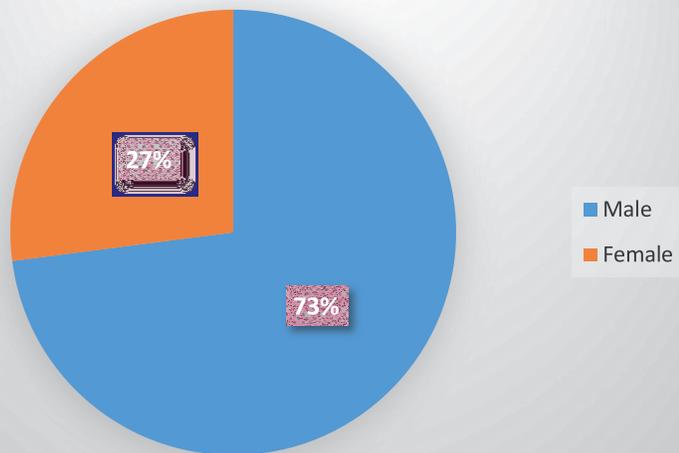
B.Tech ECE 2022	62	7	25	24	12	6	2	69
B.Tech CSE 2023	144	27	74	55	26	11	5	171
B.Tech ECE 2023	61	12	29	28	10	5	1	73
B.Tech CSE 2024	126	25	62	43	22	9	15	151
B.Tech ECE 2024	65	12	30	21	11	6	9	77
B.Tech Total	788	142	402	295	134	62	37	930
M.Tech CSE 2023 (Online)	10	2	9	3	0	0	0	12
M.Tech CSE 2023 (On- Campus)	8	4	9	1	2	0	0	12
M.Tech ECE CSP 2023 (Online)	2	1	2	1	0	0	0	3
M.Tech ECE CSP 2023 (On- Campus)	1	2	1	1	1	0	0	3
M.Tech ECE VLSI 2023	8	1	6	0	2	1	0	9
M.Tech CSE 2024 (Online)	14	3	11	3	1	1	1	17
M.Tech CSE 2024 (On- Campus)	17	6	16	4	2	1	0	23
M.Tech ECE CSP 2024 (Online)	2	4	3	0	2	1	0	6
M.Tech ECE CSP 2024 (On- Campus)	1	0	1	0	0	0	0	1
M.Tech ECE VLSI 2024	9	3	9	1	2	0	0	12
M.Tech Total	70	26	65	14	12	4	1	96
PhD CSE (Regular)	23	13	22	8	2	3	1	36

PhD CSE (Part-Time)	15	5	16	1	3	0	0	20
PhD ECE (Regular)	15	10	16	6	2	1	0	25
PhD ECE (Part-Time)	10	3	10	1	1	1	0	13
PhD HSS (Regular)	6	13	15	2	0	2	0	19
PhD HSS (Part-Time)	1	3	3	1	0	0	0	4
PhD Maths (Regular)	4	4	5	3	0	0	0	8
PhD Maths (Part-Time)	1	0	1	0	0	0	0	1
PhD (Regular)	48	40	58	19	4	6	1	88
PhD (Part-Time)	27	11	30	3	4	1	0	38
PhD Total	75	51	88	22	8	7	1	126
Total Students	933	219	555	331	154	73	39	1152

Graphical representation of the Students' Data:

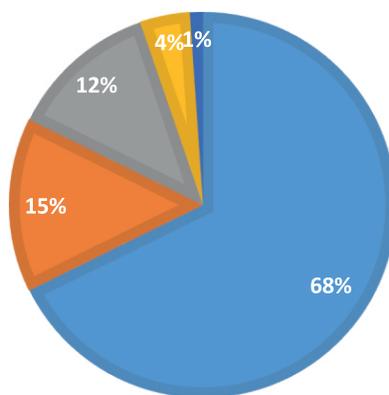


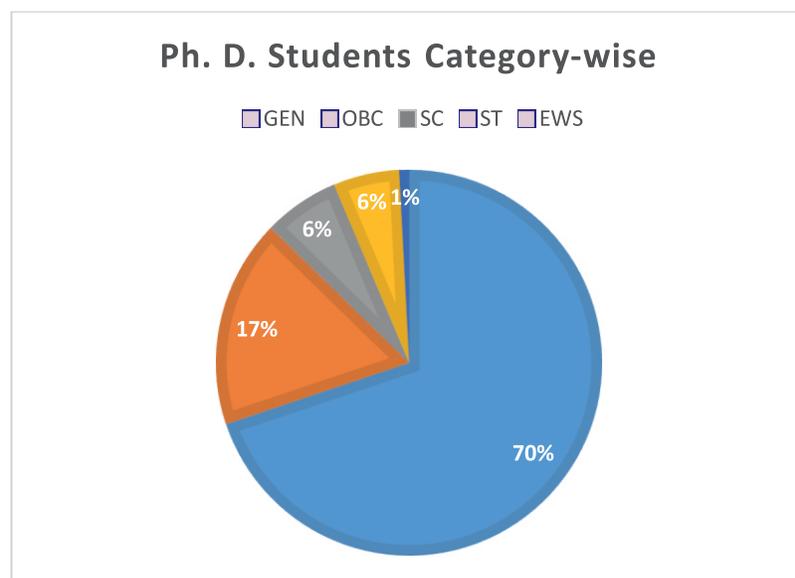
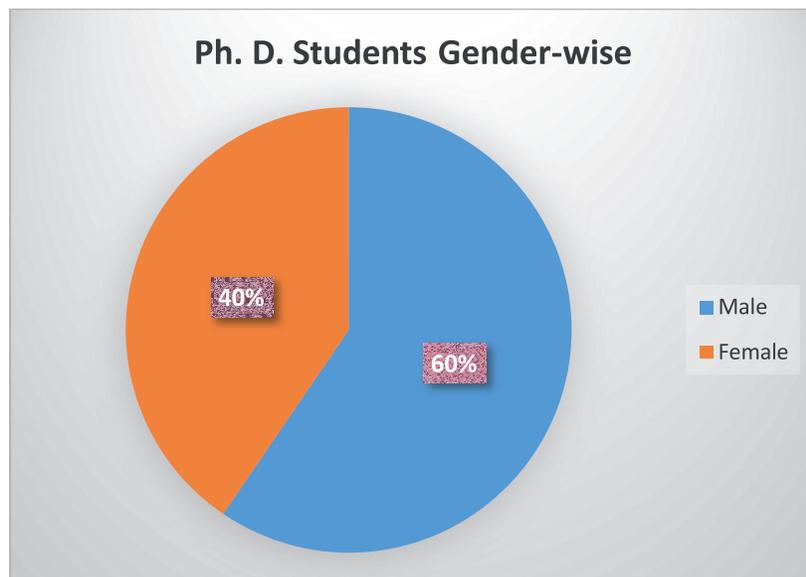
M. Tech Students Gender-wise



M. Tech Students Category-wise

GEN OBC SC ST EWS





FACULTY & STAFF

The faculty profile at the end of March 2025 is as below:

	Male	Female	Gen	OBC	SC	ST	Total
Professor. CSE	1	0	1	0	0	0	1
Associate Prof. CSE	2	1	2	0	1	0	3
Asst. Prof CSE	13	3	12	4	0	0	16
Professor CSE (on contract)	1	0	1	0	0	0	1
Associate Prof ECE	4	2	5	0	1	0	6
Asst. Prof. ECE	9	3	10	1	1	0	12
Associate Prof. Maths	0	0	0	0	0	0	0
Asst. Prof. Maths	2	2	2	2	0	0	4
Associate Prof. HSS	1	1	2	0	0	0	2
Asst. Prof. HSS	3	3	4	1	1	0	6
Total	38	15	41	8	4	1	51

The number of sanctioned faculty posts is 84.

The staff profile at the end of March 2025 is as below:

Item	Male	Female	Gen	OBC	SC	ST	Total
Registrar	0	0	0	0	0	0	0
Deputy Registrar	1	0	1	0	0	0	1
Superintending Engineer	1	0	1	0	0	0	1
Senior Superintendent	4	1	3	1	0	1	5
Senior Accounts Officer	1	0	1	0	0	0	1

Senior Technical Superintendent	6	0	1	2	1	0	6
Library Information Officer	1	1	0	1	0	1	2
Junior Assistant	8	2	6	2	1	1	10
Total	22	4	13	7	3	3	26

Research and Development

An important source of funding for research is sponsored research funding. A number of projects were obtained in the last one year. The details are as follows:

New Sponsored Projects received during the year: FY 2024-25

SL. No.	Project Title	PI / Co-PI Name	Total Project Cost(₹)	Funding Agency	Project Start Date
1	LIDSS: Legal Intelligence and Decision Support System	Dr. Kaustuv Nag	8,33,334	IIT Kharagpur, AI4ICPS HUB Foundation	17.05.2024
2	Development of an UPI Integrated Mechanism to Increase GST Compliance	Dr. Rakesh Matam (Co-PI)/ Dr. Hari Kanta Choudhury (Co-PI)	15,09,000	IBITF	17.06.2024
3	Secure Execution of Sensitive Applications by Eliminating Cache Side channel Attacks using Near Memory Computation Paradigm,	Dr. Manojit Ghose	7,81,000	ASTEC	04.10.2024
4	Smart and Secure Spectrum Sharing for 6G Wireless Networks	Dr. Sudip Biswas/ Dr. Kaustuv Nag (Co-PI)	22,72,600	SERB	07.02.2024
5	Transferit Transferring Assets	Prof. Ferdous A Barbhuiya	77,00,000	IBITF	31.03.2025
6	Reconfigurable Intelligent Surfaces aided Integrated Sensing and Communication using Machine Learning Algorithm for Next-Gen 6G Communications	Dr. Valmik Tilwari	33,66,000	ANRF	26.03.2025
7	PM-KUSUM Scheme in The North-East India: Oppurtunities, Challenges and the Path Forward for Arunachal Pradesh, Assam and Sikkim”	Dr. Ankita Sarmah/Dr.Arjab Roy (Co-PI), Dr. Kukil khanikar (Co-PI)	12,75,780	ICSSR	04.12.2024
8	Open RAN for Next-Gen 6G Communications Using AI-based Quantum Computing	Dr. Sudip Biswas, Dr. Manojit Ghose (Co-PI)	59,40,000	SPARC-UKIERI	18.09.2024
9	Indigenous Medicines of the North Eastern India: from Traditional Knowledge Transfer (T-KT) to the	Dr. Md. Mansoor Khan	15,63,000	IBITF	27.03.2024

	Sustainable Livelihoods Among Schedule Tribes (ST) Communities of Assam and Meghalaya via Fintech				
10	“Secure and Intelligent Platform to Combat Fraudulent Payment mechanisms and Prank Applications in Financial Transactions”	Dr. Angshuman Jana Dr. Sudip Biswas (Co-PI)	13,47,840	IBITF	25.03.2025
11	Socio-Economic Impact and Technological Adaptation of Textile-Based MSMEs in Assam	Dr. Rupjyoti Saha (PI) Dr. Angshuman Jana (CoPI), Dr. Sudip Biswas (CoPI)	8,00,000	ICSSR	25.06.2025
12	Design of distributed resource aware framework to enhance resiliency of Multi-UAV networks using Bio-inspired Approach	Dr. Krishnandu Hazra	27,15,009	ANRF	09.06.2025
13	Design of Automated, Self-Sustaining Collision Avoidance System for Remote Railway Elephant Corridors	Dr. Kukil Khanikar	4,76,300	ASTEC	18.06.2025

New Consultancy during the year: FY 2024-25

Sl. No.	Project Title	PI / Co-PI Name	Total Consultancy Amount (₹)	Funding Agency
1	AHIDMS Consultancy of Prof. Ferdous Ahmed Barbhuiya	Prof. Ferdous Ahmed Barbhuiya	4,42,500	Government of Assam Health Infrastructure Development & Management Society

2	Consultancy Service on Quantum Annealing Algorithms on GATE- based Quantum Architecture	Dr. Babita Jajodia	30,000	Artificial Brain Technology Private Limited
3	Consultancy with Directorate General of Shipping	Prof. Gautam Barua	7,20,000	Directorate General of Shipping
4	Consultancy with GIC Housing Finance Ltd.	Prof. Gautam Barua	10,00,000	GIC Housing Finance Ltd
5	Consultancy with GICRe Ltd.	Prof. Gautam Barua	8,50,000	GICRe Ltd
6	Consultancy with India International Insurance	Prof. Gautam Barua	10,00,000	India International Insurance PTE Ltd

On Going Projects

S. No.	Title of the project and duration	Name of the Investigator	Project No.	Funding Agency	Amount sanctioned ₹
1	Healthcare Empowerment through Real-Time Insurance Assesment	Dr. Sanjay Moulik	CSE/P/SM/01	IBITF	₹ 13,90,000
2	NE-Finance: Empowering the North- East through P2P Lending	Dr. Sanjay Moulik	CSE/P/SM/02	IBITF	₹ 6,60,000
3	Development of a formal framework to enhance IoT software security via formal verification and customization	Dr. Angshuman Jana	CSE/P/AJ/1	SERB	₹ 18,50,252
4	<i>“Secure and Intelligent Platform to Combat Fraudulent Payment mechanisms and Prank Applications in Financial Transactions”</i>	Dr. Angshuman Jana	CSE/P/AJ/2	IBITF	₹ 25,95,680

5	NagaConnect: Integrated Common Application Platform for Boosting Employment and Business Opportunities in Nagaland	Dr. Kaustuv Nag	CSE/P/KN/3	IBITF	₹ 8,10,000
6	<i>NetApp Faculty Fellowship</i>	Prof. Gautam Barua	CSE/P/GB/1	Netapp India Pvt. Ltd	₹ 4,04,055
7	Scalable, Indigenous and Driver-Friendly Ride-Hailing Application	Dr. Rohit Tripathi	CSE/P/RT/01	IBITF	₹ 28,00,000
8	Sustainable Smart Parking Solution for Aizwal City	Dr. Rakesh Matam	CSE/P/RM/02	IBITF	₹ 6,13,960
9	NagaConnect: Integrated Common Application Platform for Boosting Employment and Business Opportunities in Nagaland	Dr. Rakesh Matam	CSE/P/RM/03	IBITF	₹ 8,25,940
10	LogIT: A Federated Learning and Fog-Computing based framework for IoT Security	Prof. Ferdous Ahmed Barbhuiya	CSE/P/FAB/3	MeiTY	₹ 68,50,000
11	<i>Service Caching Architecture for Edge</i>	Dr. Radhika Sukapuram	CSE/P/RS/1	SERB	₹ 20,62,544
12	Onperformance of structural damage detection based on: mathematical and machine-learning models in harmony, and domain adaptation with scaled physical model using limited sensors	Dr. Moumita Roy	CSE/P/MR/2	SERB	₹ 6,93,000
13	<i>Secure Execution of Sensitive Applications by Eliminating Cache Side channel Attacks using Near Memory computation Paradigm,</i>	Dr. Manojit Ghose	CSE/P/MG/1	ASTE Council.	₹ 7,81,000
14	Detecting & Forecasting of Extreme Weather Events in Egypt and India Using Deep Learning	Dr. Shovan Barma	ECE/P/SB/3	DST	₹9,10,000
15	Theoretical Evaluation of Different Strategies (Choice of Kernel, Striding and Pooling) During Implementing Deep Convolution Neural Network (DCNN) Pipeline	Dr. Shovan Barma	ECE/P/SB/4	SERB & MATRICS	₹6,60,000

16	Microscopic Image Based Vegetable/Fruit Quality Assessment	Dr. Shovan Barma	ECE/P/SB/5	NM-ICPS scheme, IITI DRISHTI CPS	₹10,00,000
17	Medication Management System	Dr. Shovan Barma	ECE/P/SB/6	IIT Indore Drishti CPS Foundation	₹15,45,000
18	Signal Processing and Optimization for Configuring Intelligent Reflecting Surfaces for Smart Cities	Dr. Sudip Biswas	ECE/P/SUB/2	SERB & MATRICS	₹6,60,000
19	AI/ML-based Reconfigurable Intelligent Surface Assisted IoT Networks	Dr. Sudip Biswas	ECE/P/SUB/3	India-Taiwan Programme, DST	₹43,56,466
20	Design, Development, Testing and Automation of LPG, PNG, and CNG Operated Refractory Burners for Cooking and Industrial Applications	Dr. Sudip Biswas	ECE/P/SUB/4	SERB, Govt. of India	₹59,66,400
21	Leveraging AI/ML for Customized Credit Assessment of the Boro Tribe in the Boroland Territorial Region	Dr. Sudip Biswas	ECE/P/SUB/5	IBITF	₹8,25,000
22	Autonomous Underwater Vehicle for Intelligent real time monitoring and surveillance	Dr. Mourina Ghosh	ECE/P/MG/1	IIT-TIDF	□11,80,000
23	Establishment of a Design Innovation Centre (DIC) (Spoke) with NEHU (HUB)	Prof. Gautam Barua(Ex-Director)	IITG/P/1	MHRD through NEHU	₹1,26,00,000

COMPLETED PROJECTS

S. No.	Title of the project and duration	Name of the Investigator	Project No.	Funding Agency	DURATION
1	A Secure and Scalable Inter-cloud Authorisation framework for resource sharing in Cloud Environment	Prof. Ferdous Ahmed Barbhuiya	CSE/P/FAB/1	SERB	3 years
2	Periocular Biometrics on AR/VR Devices	Prof. Ferdous Ahmed Barbhuiya	CSE/P/FAB/2	IBM IRL	2 Years
3	Development of MAC associated schemes for large IEEE 802.15.4 based networks	Dr. Rakesh Matam	CSE/P/RM/1	SERB	3 Years
4	Adaptive Learning Models for Land-cover Classification with application in Remote Sensing based Monitoring of Agriculture and Forestry	Dr. Moumita Roy	CSE/P/MR/1	SERB	3 Years

5	Feasibility study of zero trust in InstaSafe framework	Dr.Srinibas Swain	CSE/P/SS/1	<i>Instasafe</i>	1 yr
6	Design of Structure-Preserving Deep Neural Networks for Improved Generalization	Dr. Kaustuv Nag	CSE/P/KN/1	SERB	2 years
7	Design and Development of an Assistive Device for Persons with Motor Neuron Disease	Dr. Kaustuv Nag, Dr. Rakesh Matam	CSE/P/KN/2	SERB	2 years
8	Bridging Network Science and HPC:Accelerating Big Data Centric Network Analytics using HPC Technologies	Dr. Dip Shankar Banerjee	CSE/P/DSB/1	SERB	3 years
9	Design and Development of an Adaptive Middleware for Smart Building Monitoring	Dr. Suchetana Chakraborty	CSE/P/SC/1	SERB	3 years
10	Security and Privacy Preserved Automatic Health Emergency Detection and MSP Selection in IoT Based Smart Healthcare System	Dr. Subhasish Dhal	CSE/P/SUD/1	SERB	3 years
11	Context Aware Service Provisioning Towards Smart Tourism	Dr. Soumi Chattopadhyay	CSE/P/SOC/1	SERB	2 years
12	Empowering North-Eastern Artisans and Farmers: A Block chain powered market place.	Dr. Phrangboklang Lyngton Thangkhiew	CSE/P/PLT/01	IBITF	2 years
13	<i>Machine learning-based computational models for the analysis of monsoon activities over the Indian region at temporal and spatial scale</i>	Dr. Parashjyoti Borah	CSE/P/PB/1	SERB	2 years
10	A Secure and Scalable Inter-cloud Authorisation framework for resource sharing in Cloud Environment	Prof. Ferdous Ahmed Barbhuiya	CSE/P/FAB/1	SERB	3 years
11	Periocular Biometrics on AR/VR Devices	Prof. Ferdous Ahmed Barbhuiya	CSE/P/FAB/2	IBM IRL	2 Years
12	Development of MAC associated schemes for large IEEE 802.15.4 based networks	Dr. Rakesh Matam	CSE/P/RM/1	SERB	3 Years
13	Adaptive Learning Models for Land-cover Classification with application in Remote Sensing based Monitoring of Agriculture and Forestry	Dr. Moumita Roy	CSE/P/MR/1	SERB	3 Years

Patent Details:

SL. No.	Patent Title	Author Name	Patent No.	Status
1	SYSTEM AND DEVICE FOR QUALITY ASSESSMENT OF VEGETABLES	Dr. Shovan Barma & Dr. Sumona Biswas	513925	Granted
3	Adaptive honeypot system for ICS Security	Prof. Ferdous Ahmed Barbhuiya	In process	Filed

Start-Up Details:

Sl. No.	Startup Name	Founder
1	Precise Medication Research Private Limited	Dr. Shovan Barma
2	Formicary Innovation Labs LLP	Dr. Sudip Biswas
3	Cogneo Technologies Pvt. Ltd	Prof. Ferdous Ahmed Barbhuiya

Workshop Details:

Sl. No.	Title	Coordinator	Funded by	Duration, venue
1	Reconfigurable Intelligent Surfaces-Empowered 3CLS for 6G and Beyond Communications	Dr. Sudip Biswas	IEEE	21-24 April 2024, Dubai
2	Quantum Computing for 6G	Dr. Sudip Biswas & Dr. Manojit Ghose	SPARC UKIERI	22-23 March 2025, IIITG
3	Healthcare Empowerment through Real-time Insurance Assessment	Dr. Sanjay Moulik	IBITF	3 Aug 2024 at IIITG (targeting SHG members of Boko Block)
				7 December 2024 at Govt. School, Rani Guwahati (targeting SHG members of Rani Block)
4	Empowering North-Eastern Artisans and Farmers : A Block chain powered market place	Prof. Ferdous Ahmed Barbhuiya & Dr. Phrangboklang Lyngton Thangkhiw	IBITF	16th April 2024 at Nongpoh, Meghalaya
5	AI-enabled and Physics-Driven Advancements in Structural Health Monitoring	Dr. Moumita Roy	SERB	23rd May- 24th May 2025, NIT Silchar

Innovation & Entrepreneurship cell:

IIIT Guwahati has established an ecosystem of innovation to support startups on campus by combining innovation, e-cell, and startups under the MoE's Institute Innovation Council (IIC) guideline. The Innovation and Entrepreneurship (I&E) Cell of IIIT Guwahati has been instrumental in fostering a culture of entrepreneurship and innovative thinking among students, alumni, and faculty. In the academic year 2024-25, the cell conducted several impactful events as per the MoE's IIC mandates. The annual I&E Cell Fest, Inizio, held in March 2025, involved several talk sessions by entrepreneurs and innovators, most notably by Padma Shree Uddhab Bharali. The event also hosted a national-level Hackathon on Agritech in collaboration with STPI, Guwahati. The Digital Design and 3D Printing Center of Excellence in the Electronic Manufacturing Cluster (EMC) (<https://3dpcoe.in/>) has been established at Tech City, Guwahati, by AMTRON in collaboration with IIIT Guwahati and other government agencies. IIIT Guwahati was instrumental in preparing the initial DPR and project planning. IIIT Guwahati also hosted the Ideation Hackathon Finale for Pioneering Digital Infrastructure for 3D Printing Technologies in NER, in collaboration with MDONER, NEC, and AMTRON under the PM-DevINE program. These initiatives have significantly contributed to nurturing the entrepreneurial spirit and innovation. In 2024-25, one start-up has been incubated at IIIT Guwahati by a faculty member of the institute. This is in addition to the two start-ups IIIT Guwahati incubated the year before, showcasing the thriving entrepreneurial ecosystem at IIIT Guwahati. IIIT Guwahati has received several grants in aid support from IIT Indore's DRISHTI CPS Foundation under the faculty entrepreneurship program and IIT Bhilai's Innovation and Technology Foundation under the DST's Tribal subplan towards the opening of start-ups. Presently, the institute is in the process of developing a dedicated co-located incubation space for start-up activities. IIT Indore's DRISHTI has granted a sum of ₹1 Lac towards this venture.

Department of Computer Science and Engineering

Faculty:

1. Dr. Gautam Barua, Professor Emeritus, Operating Systems, Networks, Database Management Systems.
2. Dr. Ferdous Ahmed Barbhuiya, Professor, Information Security, Intrusion Detection/Prevention System, Secure System Design, Privacy in Cloud, Firewall and Access Control
3. Dr. Moumita Roy, Assoc. Professor, Machine Learning, Soft Computing, Pattern Recognition, Remotely Sensed Image Analysis.
4. Dr. Rakesh Matam, Assoc. Professor, Wireless Networks, Network Security, Privacy in Mobile Networks, Security in IoT.
5. Dr. Subhasish Dhal, Assoc. Professor, Information Security, Cloud Computing, Security in RFID, Key Distribution in Wireless Networks.
6. Dr. Angshuman Jana, Asst. Professor, Formal Methods, Static Program Analysis and Verification, Information Flow Security Analysis, Abstract Interpretation, Model checking.
7. Dr. Arijit Nath, Asst. Professor, Computer Architecture, Emerging Memory Technologies, Memory System Design.
8. Dr. Debashree Devi, Asst. Professor, Machine learning, deep learning, Computer vision.
9. Dr. Kaustuv Nag, Asst. Professor, Evolutionary Computation, Machine Learning, Neural Networks.
10. Dr. Manojit Ghose, Asst. Professor, High-performance computing, resource management in Cloud, edge and fog computing, Computer architecture.
11. Dr. Nilkanta Sahu, Asst. Professor, Image and Video processing.
12. Dr. Krishnandu Hazra, Asst. Professor, Wireless Networks, UAV Communications and Networking, Machine Learning, Natural Language Processing, Information Retrieval.
13. Dr. Nilotpal Chakraborty, Asst. Professor, Scheduling and optimization in smart grid and electric vehicles, AI and Blockchain for Cyber Physical Systems.
14. Dr. Parashjyoti Borah, Asst. Professor, Machine Learning, Pattern Classification.
15. Dr. Pawan K. Mishra, Asst. Professor, Graph Theory, Computational Geometry, Approximation Algorithms, Data Structures.
16. Dr. Radhika Sukapuram, Asst. Professor, Computer Networks, especially Software Defined Networks and Network Functions Virtualisation, Distributed Systems, Edge Computing.
17. Dr. Rohit Tripathi, Asst. Professor, Social Network Analysis, Game Theory.
18. Dr. Sanjay Moulik, Asst. Professor, High Performance Computing, Cyber-Physical Systems.
19. Dr. Shubha Brata Nath, Asst. Professor, Edge Computing, Fog Computing, Cloud Computing, Serverless Computing.
20. Dr. Srinibas Swain, Asst. Professor, Algorithms, graph theory, complexity theory, theoretical computer science and discrete mathematics.

21. Dr. Upasana Talukdar, Asst. Professor, Artificial Intelligence, Machine Learning, Brain-Computer Interface, Knowledge Representation.

Adjunct Faculty:

Dr. Kuntal Dey, Accenture Ltd, Natural Language Processing

Guest Faculty:

Dr. Snehasis Banerjee, TCS Research, Web Reasoning, Machine Learning, Deep Learning, Information Retrieval, Recommendation Systems

Publications:

Journal Publications:

1. Mehbub Alam, Nurzaman Ahmed, Shyamal Ghosh, Rakesh Matam, Ferdous A Barbhuiya, "OptiFog: A Framework for Acquiring State Information and Predicting Resource Availability for Task Offloading in Cooperative Fog-Networks", IEEE Transactions on Services Computing, 2024, IEEE
2. Seema Nagar, Kalyani Naik, Ferdous A Barbhuiya, Kuntal Dey, "Exploring the prevalence of homophily among classes of hate speech", Social Network Analysis and Mining, Vol 14, issue 1, pages 138, 2024, Springer
3. Ashlesha Hota, Arishmita Biswas, Sanchita Saha, Amitava Nag, Ferdous Barbhuiya, Sukumar Nandi, "Advanced federated learning security: NTRU and blockchain synergy, Proceedings of the Indian National Science Academy" pages 1-24, Mar 2025, Springer
4. A. Islam, M. Ghose, "Budget and QoS Aware Application Partitioning and Scheduling on Edge Computing Framework to Maximize Profit of the Service Providers," Journal of Systems Architecture (JSA), Elsevier, 2025.
5. A. Islam, M. Ghose, "GSAgri: Green and Secure Agriculture through Efficient Task Offloading and Scheduling under IoT-enabled Energy-Harvesting Multi-Access Edge Computing Framework," Expert Systems with Applications, Elsevier (ESWA), 2025.
6. S. Maity, M. Ghose, S. Pasricha, "A Framework for Near Memory Processing with Computation Offloading and Load Balancing," IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems (TCAD), 2025, doi: 10.1109/TCAD.2025.3542361.
7. S. Maity, M. Goel, M. Ghose, "CoaT: Compiler-assisted Two-stage Offloading Approach for Data-Intensive Applications under NMP Framework," IEEE Transactions on Emerging Topic in Computing (TETC), 2024, doi: 10.1109/TETC.2024.3495218.
8. A. Islam, M. Ghose, "DELTA: Deadline aware energy and latency-optimized task offloading and resource allocation in GPU-enabled, PIM-enabled distributed heterogeneous MEC architecture", Journal of Systems Architecture, Elsevier (JSA), 159: 103335, 2025, doi: <https://doi.org/10.1016/j.sysarc.2025.103335>.
9. S. Pradhan, S. Tripathy, R. Matam, Towards optimal edge resource utilization: Predictive analytics and reinforcement learning for task offloading, Internet of

- Things, Volume 26, 2024, 101147, ISSN 2542-6605, <https://doi.org/10.1016/j.jiot.2024.101147>.
10. Gupta, D., Richhariya, B., & Borah, P. (2025). An Unconstrained Primal Based Twin Parametric Insensitive Support Vector Regression. *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*, 33(02), 173-192.
 11. Borah, P., Gupta, D., & Hazarika, B. B. (2025). ConCave-Convex procedure for support vector machines with Huber loss for text classification. *Computers and Electrical Engineering*, 122, 109925.
 12. Gayen, Avijit, Somyajit Chakraborty, Nilotpal Chakraborty, and Angshuman Jana. "Influence of Multi-dimensional Social Capital on Structure of Scientific Collaboration Networks: MDSC@ SciCoNet." *SN Computer Science* 6, no. 5 (2025): 394.
 13. Zaman, Nilufar, and Angshuman Jana. "Parallel Inductive Shift Learning based Recommendation System." *IEEE Transactions on Artificial Intelligence* (2025).
 14. Gayen, Avijit, Somyajit Chakraborty, Saikat Mitra, and Angshuman Jana. "Comeback or dropout: study of discontinued researchers at early career stage." *Scientometrics* (2025): 1-36.
 15. Shounak Chakraborty, Yanshul Sharma, and Sanjay Moulik. 2024. TREFET: Temperature-Aware Real-Time Task Scheduling for FinFET based Multicores. *ACM Trans. Embed. Comput. Syst.* 23, 4, Article 61 (July 2024), 31 pages. <https://doi.org/10.1145/3665276>
 16. Richa Sarma, and Sanjay Moulik. "e-SAFE: A secure and efficient access control scheme with attribute convergence and user revocation in fog enhanced IoT for E-Health." *Journal of Information Security and Applications* 85 (2024): 103859.
 17. Sanjay Moulik, and Yanshul Sharma. "FRESH: Fault-tolerant Real-time Scheduler for Heterogeneous multiprocessor platforms." *Future Generation Computer Systems* 161 (2024): 214-225.
 18. Shubha Brata Nath, Sourav Kanti Addya, Sandip Chakraborty, and Soumya K Ghosh, "CSMD: Container State Management for Deployment in Cloud Data Centers", in *Future Generation Computer Systems*, Elsevier, 2024.
 19. Deepak Gupta, Bharat Richhariya, and Parashjyoti Borah. "An Unconstrained Primal Based Twin Parametric Insensitive Support Vector Regression." *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems* 33.02 (2025): 173-192.
 20. Parashjyoti Borah, Deepak Gupta, and Barenya Bikash Hazarika. "ConCave-Convex procedure for support vector machines with Huber loss for text classification." *Computers and Electrical Engineering* 122 (2025): 109925.
 21. Ranjan Patowary, Gautam Barua, Radhika Sukapuram, Correctness of flow migration across Network Function instances, *Computer Communications*, Volume 242, 2025, 108284, ISSN 0140-3664, <https://doi.org/10.1016/j.comcom.2025.108284>.
 22. Patowary, R., Barua, G. & Sukapuram, R. Flow Migration for Service Function Chains: Correctness Criteria and Their Relaxation. *J Netw Syst Manage* 33, 80 (2025). <https://doi.org/10.1007/s10922-025-09965-6>
 23. Marjit, S., Das, P. J., Talukdar, U., & Hazarika, S. M. (2025). A hybrid sequential forward channel selection method for enhancing EEG-Based emotion recognition. *Journal of Experimental & Theoretical Artificial Intelligence*, 37(6), 871-895.

Conference Publications:

1. Mehbub Alam, Nurzaman Ahmed, Rakesh Matam, Ferdous A Barbhuiya, "RedgeX: Meta-Learning based Optimal Analytical Model for Programmable Edge Intelligence", IEEE Wireless Communications and Networking Conference (WCNC), Dubai, UAE 21-24 Apr 2024, pages 1-6, IEEE
2. Rajdeep K Dutta, Bishal Chhetry, Rakesh Matam, Ferdous A Barbhuiya, "Reconnaissance Detection in Decentralised IoT System using Model-Contrastive Federated Learning, International Conference on Advanced Networks and Telecommunications Systems (ANTS), Guwahati, 15-18 Dec 2024, pages 1-6, IEEE
3. Mehbub Alam, Rakesh Matam, Ferdous A Barbhuiya, Mithun Mukherjee, "Edge-Mi: Edge-based Microservices for Mobility-aware Task Migration Scheme", Future Networks World Forum (FNWF), Dubai, UAE, 15-17 Oct 2024, IEEE
4. Bishal Chhetry, Rajdeep Kumar Dutta, Rakesh Matam, and Ferdous A Barbhuiya, "Improving Reconnaissance Detection in IoT Environments Using Machine Learning with Heterogeneous Data Integration", Future Networks World Forum (FNWF), Dubai, UAE, 15-17 Oct 2024, IEEE
5. K. C. Baruah and R. Tripathi, "Targeted Influence Maximization Using Centrality and Diminishing Weight," *TENCON 2024 - 2024 IEEE Region 10 Conference (TENCON)*, Singapore, Singapore, 2024, pp. 1198-1201, doi: 10.1109/TENCON61640.2024.10902814.
6. G. Sharma and R. Tripathi, "Analyzing Graph Properties to Assess the applicability of Graph Attention Network for the Traveling Salesman Problem", *International Conference on Computing, Communication and Networking Technologies (ICCCNT)*, 2025.
7. S. Maity, M. Ghose, A. Kumar, A. Chakraborty, A. Chakraborty, "Unguided Machine Learning- based Computation Offloading for Near-Memory Processing," in 38th International Conference on VLSI Design (VLSID), Jan 2025. doi: 10.1109/VLSID64188.2025.00105.
8. P. Gandhi, A. Mahanta, M. Ghose, A. Sahu, "Maximizing Profit of the Service Providers through Efficient Content Placement and Retrieval in an IoT-enabled Edge-Cloud Platform," in 18th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), 1 — 6, Dec 2024, doi: 10.1109/ANTS63515.2024.10898530 [Best paper award].
9. H. Dubey, M. Ghose, A. Sahu, "SPFaaS: Service Provisioning and Request Scheduling in a Hierarchical Edge-Cloud System under Function-as-a-Service Framework," in IEEE 15th International Conference on Computing, Communication and Networking Technologies (ICCCNT), June 2024, doi: 10.1109/ICCCNT61001.2024.10726096.

10. Patowary, Ranjan, Gautam Barua, and Radhika Sukapuram. "Flow Migration for Service Function Chains: Preserving External-Ordering." In *2024 IEEE 49th Conference on Local Computer Networks (LCN)*, pp. 1-9. IEEE, 2024.
11. Singh, Ramesh, and Radhika Sukapuram. "Multi-SP Profit Maximization and Game Frame Time Reduction Scheme for Multi-Access Edge." In *2025 National Conference on Communications (NCC)*, pp. 1-6. IEEE, 2025.
12. Borah, P., & Dutta, A. (2025). Conditional Probability-Based Feature Embedding for Genomic Sequence Data. In *International Conference on Pattern Recognition* (pp. 302-314). Springer, Cham.
13. Kashyap, Anwesha, and Angshuman Jana. "A Static Analysis Approach to Verify Data Integrity of Web-based Software Systems." In *2024 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS)*, pp. 1-6. IEEE, 2024.
14. Zaman, Nilufar, and Angshuman Jana. "Automated Service Recommendation Using Deep Network for Augmented Feature Vector." In *2024 IEEE Region 10 Symposium (TENSYP)*, pp. 1-6. IEEE, 2024.
15. Gayen, Avijit, Vaibhav Mehta, Mainak Sen, Uddipan Chowduray, and Angshuman Jana. "Destiny of Legal Petition: Accept or Reject?: A Machine Learning Approach to Predict the Legal Petition's Initial Decision." In *2024 IEEE Region 10 Symposium (TENSYP)*, pp. 1-6. IEEE, 2024.
16. Richa Sarma, Sanjay Moulik, and Akangjungshi Longkumer. "SMAC: A Secure Multi-authority Access Control Scheme with Attribute Unification for Fog Enabled IoT in E-Health." In *International Conference on Parallel and Distributed Computing: Applications and Technologies*, pp. 70-84. Singapore: Springer Nature Singapore, 2024.
17. S. Mishra and N. Chakraborty, "Peak Load Management in EV Charging Through Intelligent Rotational Strip Packing," in *IEEE International Black Sea Conference on Communications and Networking (BlackSeaCom)*, 23–26 June 2025, Chisinau, Moldova.
18. N. W. C. Lasantha, M. W. P. Maduranga, R. Abeysekara, V. Tilwari, N. Chakraborty and D. Sharma, "Hybrid Machine Learning Approach for Enhanced Vulnerability Detection in Cloud Environments Using NIST and MITRE Frameworks," *2025 5th International Conference on Advanced Research in Computing (ICARC)*, Belihuloya, Sri Lanka, 2025, pp. 1-6, doi: 10.1109/ICARC64760.2025.10962945.
19. A. Lohia, A. Pochhi, S. Mishra and N. Chakraborty, "Intelligent Cost-Effective Electric Vehicle Charging Solutions for Cities and Highway Networks," *2025 17th International Conference on COMMunication Systems and NETworks (COMSNETS)*, Bengaluru, India, 2025, pp. 899-902, doi: 10.1109/COMSNETS63942.2025.10885655.
20. N. Dhawde, N. Chakraborty and M. G. A. Husain Baig, "Sustainable Drone Surveillance System Using Eternal Vertex Cover and Periodic Charging," *2025 17th International Conference on COMMunication Systems and NETworks (COMSNETS)*, Bengaluru, India, 2025, pp. 1042-1046, doi: 10.1109/COMSNETS63942.2025.10885646.
21. O. Sharma and N. Chakraborty, "Efficient Collision-Free Motion Planning in Distributed Multi-Robot Systems," *2025 17th International Conference on COMMunication Systems and NETworks (COMSNETS)*, Bengaluru, India, 2025, pp. 1047-1050, doi: 10.1109/COMSNETS63942.2025.10885670.

22. N. C. Lasantha, V. Tilwari, M. Maduranga, R. Abeysekera, N. Chakraborty and D. Sharma, "Validating IP Reputation in Cloud Firewall Systems Using Machine Learning Driven Signature Generation and Detection Techniques," 2024 IEEE Industrial Electronics and Applications Conference (IEACon), Kuala Lumpur, Malaysia, 2024, pp. 230-235, doi: 10.1109/IEACon61321.2024.10797246.
23. A. Lohia, A. Pochhi, and N. Chakraborty, "Sustainable Urban Mobility: Cost-Effective Electric Vehicle Charging Infrastructure with User-Centric Design," In Proceedings of the 11th ACM International Conference on Systems for Energy-Efficient Buildings, Cities, and Transportation (BuildSys '24). Association for Computing Machinery, Hangzhou, China, pp. 239-240. <https://doi.org/10.1145/3671127.3698709>
24. A. Pochhi, A. Lohia, and N. Chakraborty, "Strategic Placement and Capacity Optimization of EV Charging Infrastructure on Highways," In Proceedings of the 11th ACM International Conference on Systems for Energy-Efficient Buildings, Cities, and Transportation (BuildSys '24). Association for Computing Machinery, Hangzhou, China, pp. 241-242. <https://doi.org/10.1145/3671127.3698710>
25. J. Islam and N. Chakraborty, "Multi-Objective Eco-Routing Solution and Analysis for Electric Vehicles Towards a Sustainable Transportation System" In Proceedings of the 11th ACM International Conference on Systems for Energy-Efficient Buildings, Cities, and Transportation (BuildSys '24), Hangzhou, China, pp. 235-236. <https://doi.org/10.1145/3671127.3698707>
26. S. Chakraborty, M. Sarkar, A. Gayen, A. Jana and N. Chakraborty, "Performance Analysis of a Scalable Federated Learning-Based Agricultural Network," 2024 International Conference on Emerging Techniques in Computational Intelligence (ICETCI), Hyderabad, India, 2024, pp. 273-280, doi: 10.1109/ICETCI62771.2024.10704203.
27. J. P. D. Manoj Sithara, M. Maduranga, V. Tilwari, N. Chakraborty and D. Sharma, "Statistical Spectrum Prediction for Cognitive Radio Networks," 2024 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), Bangalore, India, 2024, pp. 1-6, doi: 10.1109/CONECCT62155.2024.10677255.
28. V. Tilwari, D. Sharma, S. Solanki, N. Chakraborty and M. Maduranga, "A Multicriteria Aware Multipath Routing Method to Increase the QoS for Future 6G Networks," 2024 IEEE 13th International Conference on Communication Systems and Network Technologies (CSNT), Jabalpur, India, 2024, pp. 1-6, doi: 10.1109/CSNT60213.2024.10546037.
29. A. Pochhi, A. Lohia, N. Chakraborty, "Optimizing Electric Vehicle Charging Stations and Charging Ports for Highways and Expressways", Proceedings of the 15th ACM International Conference on Future and Sustainable Energy Systems (ACM e-Energy '24), Singapore, June, 2024
30. A. Lohia, A. Pochhi, N. Chakraborty, "Developing Cost Effective and User-Centric Charging Infrastructure for Electric Vehicles in Urban Localities", Proceedings of the 15th ACM International Conference on Future and Sustainable Energy Systems (ACM e-Energy '24), Singapore, June, 2024
31. Sanjay Chouhan, Shubha Brata Nath, and Aparajita Dutta, "HindiLLM: Large Language Model for Hindi", in the 27th International Conference on Pattern Recognition (ICPR 2024), Kolkata, India, December 01 - 05, 2024.
32. Anuj Kakde, Shubha Brata Nath, and Soumya K Ghosh, "DyPSS: Dynamic Priority Signalling System for Emergency Vehicles using Fog and YOLOv8", in the 17th

- International Conference on Communication Systems & Networks (COMSNETS 2025), Bengaluru, India, January 06 - 10, 2025.
33. Srestha Saha, Arvind Pandey, Sourav Kanti Addya, and Shubha Brata Nath, "Function Scheduling with Data Security in Serverless Computing Systems", in the 17th International Conference on Communication Systems & Networks (COMSNETS 2025), Bengaluru, India, January 06 - 10, 2025.
 34. Asem Debala Chanu, Saylee Shelar, and Shubha Brata Nath, "Mobile Edge Computing for Efficient Vehicle Management in Smart City", in the IEEE 14th International Conference on Communication Systems and Network Technologies (CSNT 2025), Bhopal, India, March 07 - 08, 2025.
 35. Surbhi Soni, Swati Nanda Gupta, Rama Devi, Krishnandu Hazra, "Information Extraction From Tweets for Disaster Damage Assessment Using Rule-based NLP", 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), (2024), pages. 1-6, IEEE
 36. Partha Pratim Sarmah; Partha Sarathi Paul; Krishnandu Hazra, "On Predicting Emotion From Commercial Smartwatch-A Big Data Narrative", 2025 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI),3, (2025), pages. 1-6, IEEE
 37. Parashjyoti Borah, and Aparajita Dutta. "Conditional Probability-Based Feature Embedding for Genomic Sequence Data." *International Conference on Pattern Recognition*. Cham: Springer Nature Switzerland, 2024.
 38. D. Bhattacharjee and U. Talukdar, "A Review of Graph Neural-Networks for EEG-Based Emotion-Recognition: Tackling Data-Imbalance, Noise, and Out-of-Distribution Generalization". 2025. In *3rd International Conference on Inventive Computing and Informatics (ICICI)* (pp. 820-827). IEEE.

Book Chapters:

1. Naosekham, Veronica, and Nilkanta Sahu. "Multi-label Indian scene text language identification." *Intelligent Systems and Applications in Computer Vision* (2023).
2. R Matam, P Subhash "A Novel Concurrent Data Collection Protocol for IoT Networks" *Advances in Computational Intelligence and Its Applications* Edition 1st Edition, 2024, CRC Press, Pages10.
3. R. R. Sheri, S. M. K. Tirumalaraju, S. K. Yadam, K. P. Inala, and N. Chakraborty, "Chapter: Predicting energy consumption for smart buildings in a smart grid scenario using machine learning models," in *Recent Trends in VLSI and Semiconductor Packaging*, CRC Press, 2025

White Papers:

1. Bishal Chhetry, Rajdeep Dutta, Rakesh Matam, Ferdous Ahmed Barbhuiya, "Healthcare Security in Internet of Medical Things: Challenges, Solutions and Industry Standards", in *Cyber Security White Papers*, NCoE-Data Security Council of India (DSCI), MeitY, 2025.

Invited Talks:

1. Prof. Gautam Barua delivered a talk “Generative AI: The ChatGPT Phenomenon” at KKH State Open University on 17 May 2023
2. Dr. Manojit Ghose has delivered an invited talk on “Paradigm shifts in computing: opportunities and challenges” at LCB college, Guwahati on 23rd November 2024.
3. Dr. [Nilotpal Chakraborty](#) presented a tutorial on ‘Functional verification of Cyber Physical Systems: From Theory to Practices’ at the 22nd IEEE International Conference on Industrial Informatics (INDIN), August 17-20, 2024, Beijing, BJ, China.
4. Dr. Rakesh Matam delivered a talk on “IoT Malwares: Threats, Vulnerabilities, and Defenses” at Online FDP program on IoT Security and SOC operations, organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad.
5. Dr. Rakesh Matam delivered a talk on “IoT Malwares: Threats, Vulnerabilities, and Defenses” in an Online Faculty Development Programme (FDP) ON “Next-generation Networks and its Security” (5th February – 15th February 2025) Jointly organized by E&ICT-NIT Warangal and Cambridge Institute of Technology, K R Puram, Bengaluru (5-15 February 2025).
6. Dr. Rakesh Matam delivered a talk on “Understanding IoT Botnets: Threats, Lifecycle, and Defenses ” in an Online Faculty Development Programme (FDP) ON “Next-generation Networks and its Security” (5th February – 15th February 2025) Jointly organized by E&ICT-NIT Warangal and Cambridge Institute of Technology, K R Puram, Bengaluru (5-15 February 2025).
7. Dr. Rakesh Matam delivered a talk on “IoT Malwares: Threats, Vulnerabilities, and Defenses” Faculty Development Program (FDP) on "5G-V2X and Network Security", organized by Department of CSE, IIT Guwahati from 24th to 27th February 2025.
8. Dr. Rakesh Matam delivered a talk on “Protocols and Security for WSN” during the online FDP on “Next-Generation Wireless Sensor Networks (NGWSN-2025)” jointly organized by Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)” by the Ministry of Electronics and Information Technology (MeitY), Government of India from 17th February, 2025–28th February, 2025.
9. Dr. Rakesh Matam participated as an expert member in the panel discussion for LinkedIn Live session on “Healthcare Security in the IoMT Environment” on February 13th organized by NCoE-DSCI (Data-Security Council of India), A MietY and DSCI Initiative.
10. Dr. Parashjyoti Borah served as a resource person for a hands-on session on "Fundamentals of Generative AI" as part of a one-day workshop organized by the Department of Computer Applications, Assam Don Bosco University, Azara, held on 30th April 2025.

Others:

1. Prof. Ferdous Ahmed Barbhuiya and Dr. Phrangboklang Lyngton Thangkhiew organised a 2-Day Workshop on Development and Innovation of Emerging Technologies in Fintech at Indian Institute of Information Technology Guwahati, supported by: IIT Bhilai Innovation and Technology Foundation for brainstorming and formulating ideas for possible submission to IBITF for funding during 8-9 Sep 2023. The workshop has seen participation of more than 150 participants from various Institutions of North East India and led to submission of more than 25 proposals out of which 20+ got funded.
2. Dr. Sijousa Basumatary and Dr. Rohit Tripathi organized a one day workshop on “Smart Ride Hailing Smartphone Application” at North East Hill University, Shillong on 14th November, 2024.
3. The research paper co-authored by Dr. Manojit Ghose has received the best paper award at the 18th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS) in December 2024.
4. Dr. Manojit Ghose (along with Dr. Sudip Biswas from the ECE department) conducted a two-day workshop on Quantum Computing for 6G on 22-23 March 2025 under a SPARC-sponsored project.
5. Dr. Manojit Ghose has served as the Local Organizing Co-Chair for IEEE ANTS 2024.
6. Dr. Manojit Ghose has been inducted as a Member in the IEEE Industry Academia Young Professionals Committee (IAYPC) 2025.
7. Dr. [Nilotpai Chakraborty](#) is inducted as an Editorial Board Member, Rockefeller Publishing Co.
8. Dr. [Nilotpai Chakraborty](#) organized a special session on ‘Recent Trends in Cyber Physical Systems and Industrial Automation’ at the 22nd IEEE International Conference on Industrial Informatics (INDIN), August 17-20, 2024, Beijing, BJ, China.
9. Dr. Nilotpai Chakraborty has been elevated to IEEE Senior Member.
10. Dr. Krishnandu Hazra served as a Track Chair in Communication Technologies for Society at the 4th International Workshop on Societal Computing for the Internet of Things & You (SoCieTY 2025) in conjunction with the 26th International Conference on Distributed Computing & Networking (ICDCN 2025), 4th - 7th January 2025, IIT Hyderabad.
11. Dr. Parashjyoti Borah served as the Session Chair for Technical Session-II, Track 1 on Intelligent Computing and Big Data Applications during the 3rd International Conference on Intelligent and Cloud Computing (ICoICC-2025), held on 2nd May 2025.

Department of Electronics & Communication Engineering

Faculty:

1. Dr. Babita Jajodia, Asst. Professor, VLSI and Embedded Systems, Quantum Computing
2. Dr. Bidisha Dasgupta, Associate Professor, Antenna Design
3. Dr. Bijit Kumar Das, Asst. Professor, Signal Processing
4. Dr. Komal Janghel, Asst. Professor, Wireless Communication
5. Dr. Kukil Khanikar, Asst. Professor, Communication Engineering
6. Dr. Mohd. Mansoor Khan, Asst. Professor, Optical-VLSI via Meta-Photonics, Optical Amplifiers in Communication, Semiconductor Devices and Optoelectronics Sensor System
7. Dr. Mourina Ghosh, Associate. Professor, VLSI Design, Machine Learning
8. Dr. Rakesh Biswas, Asst. Professor, VLSI Architecture Design for Biomedical Signal and Image processing
9. Dr. Rajib Malik, Asst. Professor, Embedded Systems
10. Dr. Ripudaman Singh, Asst. Professor, Communication Networks
11. Dr. Rusha Patra, Asst. Professor, Image Processing, Optical Imaging, Biomedical Optics, Computer Vision
12. Dr. Shilpa, Asst. Professor, Wireless Sensor Networks
13. Dr. Shovan Barma, Associate. Professor, Biomedical Signal Processing and AI
14. Dr. Sounak Roy, Associate. Professor, Analog and mixed signal VLSI circuits in CMOS, BiCMOS processes
15. Dr. Sudip Biswas, Associate. Professor, Signal Processing and Machine Learning for Wireless and Quantum Communication
16. Dr. Surajit Panja, Associate Professor, Control of Network Systems, Multi-agent Systems, Opinion Dynamics, Epidemic Propagation Over Networks
17. Dr. Sheikh Wasmir Hussain, Asst. Professor, Semiconductor Memories, Low-Power VLSI Design, In-Memory Computing
18. Dr. Valmik Tilwari, Asst. Professor, Machine Learning for Wireless Communication

Publications:

Journals:

1. M. Das and B. Jajodia, "Hybrid Recursive Karatsuba Multiplications on FPGAs", *IEEE Embedded Systems Letters*, February, 2025, doi: <https://doi.org/10.1109/LES.2025.3538470>.
2. M. Das and B. Jajodia, "Area and Delay trade-Offs in Three-Way Toom-Cook Large Integer Multipliers on FPGAs", *IEEE Transactions on Circuits and Systems I: Regular Papers*, vol. 72, no. 2, pp. 600-609, February 2025, doi: <https://doi.org/10.1109/TCSI.2024.3435473>.
3. M. Das and B. Jajodia, "ATP-Optimized Implementation of Four-way Toom-Cook Multiplications on FPGAs for Large Integer Arithmetic", *Springer Circuits, Systems and Signal Processing*, January, 2025, doi: <https://doi.org/10.1007/s00034-024-02978-7>.
4. S. W. Hussain, T. V. Mahendra, S. Mishra, and A. Dandapat, "Content-addressable memory using selective-charging and adaptive-discharging scheme for low-power hardware search engine," *Elsevier Integration the VLSI Journal*, vol. 98, art. no. 102213, Sep. 2024, doi: 10.1016/j.vlsi.2024.102213.
5. V. Tilwari, S. Pack, M. Maduranga and H. K. I. S. Lakmal, "An Improved Wi-Fi RSSI-Based Indoor Localization Approach Using Deep Randomized Neural Network," in *IEEE Transactions on Vehicular Technology*, 2024. vol. 73, no. 12, pp. 18593-18604.
6. D. Sharma, V. Tilwari, and S. Pack, "An Overview for Designing 6G Networks: Technologies, Spectrum Management, Enhanced Air Interface, and AI/ML Optimization," in *IEEE Internet of Things Journal*, 2025. vol. 12, no. 6, pp. 6133-6157.
7. Sarma, Krishna and Mohd Mansoor Khan, "Evaluation of Optimized Praseodymium-Thulium Doped O+E Band Hybrid Fiber Amplifier in a CWDM Optical Communication Link" *Springer: Optical and Quantum Electronics* 57, no. 6 (2025).
8. Alam, Shamsad, Mohd Mansoor Khan, and Ramesh Kumar Sonkar "Dengue Disease Detection via Minimal Area 2D Photonic Crystal Nanocavity-Based Refractive Index Optical Biosensor: Numerical Analysis" *Optica: Applied Optics*, 64, 4615-4624 (2025)
9. Sarma, Krishna and Mohd Mansoor Khan, "Design and Evaluation of Intelligent Flat-Gain O+E Band Hybrid Optical Fiber Amplifier: Machine Learning Approach" *Optica: Applied Optics* 64, 4004-4013 (2025)
10. Sarma, Krishna and Mohd Mansoor Khan, "Scope in Parallel Operation of Erbium-Thulium Doped Fibers for Broadband Optical Amplification in S, C, and near-L Bands Minimizing Ion-Ion Interactions." *Next Research*, (2025): 100279.

11. Sarma, Krishna and Mohd Mansoor Khan, "Design, optimization, and evaluation of ultra-broadband hybrid optical doped-fiber amplifier for O+E+S+C band amplification." Elsevier: Optik, (2025): 172328.
12. Kumar, Nitish, Mohd Mansoor Khan, and Ramesh Kumar Sonkar, "Design of an all-optical AND gate with optimized response-time and area via nanostructured metamaterial: Light-matter interaction analysis." Results in Optics, 18 (2025): 100766
13. Sarma, Krishna and Mohd Mansoor Khan. "Investigative optimization of nonlinear Ion-Ion interactions in Thulium-Erbium doped cascaded fiber amplifier for S+C Band." De Gruyter-Journal of Optical Communications, 0 (2025)
14. Kaphungkui, NK, Toslima Nasrin, Mohd Mansoor Khan, Sewali Bharali, and Somishon Keishing. "A review of the indigenous medicinal plants used by scheduled tribe communities of North-East India." South-eastern European Journal of Public Health, vol. 24 S4, doi: <https://doi.org/10.70135/seejph.vi.1760>, (2024).
15. Kaphungkui, NK, Toslima Nasrin, Sewali Bharali, Mohd Mansoor Khan, and Somishon Keishing. "Diversity of Indigenous Medicinal Plants used by Scheduled Tribe Communities of Dibrugarh District, Assam, India: A Case Study." African Journal of Biomedical Research, vol. 27 1S, pp. 733-741, (2024).
16. Sarma, Krishna and Mohd Mansoor Khan. "Design, Optimization, and Analysis of Thulium-Doped Optical Fiber Amplifiers for E-Band Communication." Optical Engineering, 63(5), 058102 (2024).
17. P. Lingadharini, A. Shirsat, P. Gardi, S. Kore, V. Joshi, R. Patra, D. Maji, "A cost-effective and facile technique for realizing fabric based microfluidic channels using beeswax and PVC stencils," Anal. Methods, vol. 16, pp. 3372-3384, 2024.
18. B. Paul and R. Patra, "Photoacoustic image reconstruction with an objective function using TGV and ESTGV as a regularization functional," J. Opt. Soc. Am. A, vol. 41, no. 1, pp. 29-38, 2024.
19. S. Biswas and S. Barma, "A Low-Cost Vegetable Quality Assessment System Based on Microscopy Images in Deep Learning Edge Computing: A Pilot Study on Potato Tuber," in *IEEE Transactions on Consumer Electronics*, vol. 70, no. 3, pp. 6343-6353, Aug. 2024, doi: 10.1109/TCE.2024.3412101.
20. Shankar, A., Saikia, M.J., Dandapat, S. et al. Focal cortical dysplasia (type II) detection with multi-modal MRI and a deep-learning framework. npj Imaging 2, 31 (2024). <https://doi.org/10.1038/s44303-024-00031-5>.
21. Antony, A., Dasgupta, B., "Beam steering of Fabry P erot antenna by using hybrid metasurfaces," Journal of Electromagnetic Waves and Applications (Taylor and Francis).39(4): 408-424, 2025. DOI: 10.1080/09205071.2025.2450527.

22. P. Mondal, S. Banerjee, M. Ghosh, A. Singh, S. Kumar, "Design of a VDBA-Based Memristor Emulator and Its Application for Bio-Sensing Through Instrument Amplifier", Accepted in 12th Feb, 2025, DOI: 10.1109/OJNANO.2025.3544166.
23. P. Mondal, M. Ghosh, S. Kumar, "Fourth-order inverse filter configuration using current differencing buffered amplifier". Int J Numer Model Electron Netw Devices Fields, [vol: 37, no. 3](#), e3243 May/June 2024, DOI: <https://doi.org/10.1002/jnm.3243>.
24. R. K. R. Allu, K. Singh, C. -P. Li and S. Biswas, "Optimized Resource Allocation in NOMA-Enabled ISAC Systems with RFID Backscatterers," in IEEE Wireless Communications Letters, doi: 10.1109/LWC.2025.3559494. [IF: 4.6]
25. A. Mondal, K. Singh and S. Biswas, "Electronic Reliability and Error Performance Analysis of RIS-Aided Communication Networks," in IEEE Transactions on Reliability, doi: 10.1109/TR.2024.3481231. [IF: 5.0]
26. J. A. Mead, K. Singh, R. Allu, S. Biswas and M. -L. Ku, "Hardware Impairment Aware Transmit Power Minimization for Secure RIS-Aided Full-Duplex NOMA Communications," in IEEE Transactions on Green Communications and Networking, doi: 10.1109/TGCN.2024.3466311. [IF: 5.3].
27. J. Jose, S. Bisen, P. Shaik, S. Biswas, K. Singh, O. Krejcar, V. Bhatia "Performance Analysis of IRS Assisted Full-Duplex Systems with Different Downlink and Uplink Users," in IEEE Transactions on Vehicular Technology, vol. 73, no. 10, pp. 15848-15853, Oct. 2024, doi: 10.1109/TVT.2024.3414997. [IF: 6.1].
28. A. Mondal, S. Ghosh, K. Singh, S. Biswas and T. Q. Duong, "Extending RIS Life Span for Reliable Communication Under Hardware Ageing Effects," in IEEE Open Journal of the Communications Society, vol. 5, pp. 3395-3409, 2024, doi: 10.1109/OJCOMS.2024.3406340. [IF: 6.3].
29. V. Sharma, A. Paul, S. K. Singh, K. Singh and S. Biswas, "Robust Transmission for Energy-Efficient Sub-Connected Active RIS-Assisted Wireless Networks: DRL Versus Traditional Optimization," in IEEE Transactions on Green Communications and Networking, vol. 8, no. 4, pp. 1902-1916, Dec. 2024, doi: 10.1109/TGCN.2024.3370691. [IF: 5.3]

Conferences:

1. Tilwari, Valmik, Debashree Sharma, Sourabh Solanki, Nilotpal Chakraborty, and M. W. P. Maduranga. "A Multicriteria Aware Multipath Routing Method to Increase the QoS for Future 6G Networks." In 2024 IEEE 13th International Conference on Communication Systems and Network Technologies (CSNT), pp. 1-6. IEEE, 2024.
2. A. Shankar, D. Chakraborty, S. Dandapat, S. Barma and M. J. Saikia, "Attention-based Deep Learning for Epileptic Seizure Type Detection," 2024 International Conference on

Advancements in Smart, Secure and Intelligent Computing (ASSIC), Bhubaneswar, India, 2024, pp. 1-4, doi: 10.1109/ASSIC60049.2024.10507948.

3. B. B. Purkayastha and S. Barma, "Cardiac Arrhythmia Detection by Involving Multiscale Multifractal Analysis and Deep Learning," *2024 IEEE Region 10 Symposium (TENSYP)*, New Delhi, India, 2024, pp. 1-6, doi: 10.1109/TENSYP61132.2024.10752237.
4. C. Barman and S. Barma, "Identifying Suitable Anatomical Planes in 3D MRI for AD Classification by Employing ViT Pipeline," *TENCON 2024 - 2024 IEEE Region 10 Conference (TENCON)*, Singapore, Singapore, 2024, pp. 607-610, doi: 10.1109/TENCON61640.2024.10903014.
5. J. Nath and S. Barma, "Feature Align-HFL: A Feature Alignment Based Client-Specific Model For Heterogeneous Federated Learning," *2024 International Conference on Orange Technology (ICOT)*, Tainan, Taiwan, 2024, pp. 1-4, doi: 10.1109/ICOT64290.2024.10936924.
6. S. S. Mitra, A. Dutta, S. Barma and S. Biswas, "Skill-Driven Loan Prediction for Economic Inclusion: A Computational Approach for Financial Empowerment," *2024 International Conference on Orange Technology (ICOT)*, Tainan, Taiwan, 2024, pp. 1-4, doi: 10.1109/ICOT64290.2024.10936946.
7. B. B. Purkayastha and S. Barma, "Hybrid CPU-FPGA Accelerated Architecture for Hurst Surface Feature Extraction and SVM Classification of ECG Signals," *2024 IEEE 31st International Conference on High Performance Computing, Data and Analytics Workshop (HiPCW)*, Bangalore, India, 2024, pp. 33-39, doi: 10.1109/HiPCW63042.2024.00015.
8. F. Burhagohain and S. Barma, "High-Resolution 7T-like MRI Images Generation from 3T MRI Scans Using Multi-Scale Residual CycleGAN," *2024 IEEE 21st India Council International Conference (INDICON)*, Kharagpur, India, 2024, pp. 1-6, doi: 10.1109/INDICON63790.2024.10958248.
9. Chakladar, D.D., Shankar, A., Liwicki, F., Barma, S., Saini, R. (2025). Attention Dynamics: Estimating Attention Levels of ADHD using Swin Transformer. In: Antonacopoulos, A., Chaudhuri, S., Chellappa, R., Liu, CL., Bhattacharya, S., Pal, U. (eds) Pattern Recognition. ICPR 2024. Lecture Notes in Computer Science, vol 15311. Springer, Cham. https://doi.org/10.1007/978-3-031-78195-7_18
10. P. Prakash and B. Dasgupta, "Multilayer Complementary Frequency Selective Surfaces with Hybrid Functionality," *2024 IEEE Silchar Subsection Conference (SILCON 2024)*, Agartala, India, 2024, pp. 1-5, doi: 10.1109/SILCON63976.2024.10910739.
11. Anett Antony, Rosemary P J, Leo Lawrance, Joyal Biju, Nidhin Biju and Bidisha Dasgupta, "A Simple Multilayer Frequency Selective Surface for Ultra Wide Band Applications", *IEEE Wireless Antenna and Microwave Symposium (WAMS)*, June 2025. (accepted)
12. [S.S. Borah](#), M. Ghosh, [B. C Nagar](#), [P Sundaravadivel](#), "Design and Analysis of an Electronically Tunable VDTA-Based Quadrature Oscillator" *2024 IEEE Computer Society Annual Symposium on VLSI (ISVLSI)* USA, Date of Conference: 01-03 July 2024, Date Added to IEEE Xplore: 25 September 2024, DOI: [10.1109/ISVLSI61997.2024.00135](https://doi.org/10.1109/ISVLSI61997.2024.00135).
13. P. Deka and B. K. Das, "Hard Thresholding Algorithm for Adaptive Feedback Cancellation in Single Microphone Hearing Aids," In: *IEEE Guwahati Subsection Conference (GCON)*, 2025, Guwahati, Assam, India, IEEE, 2025 (Accepted)

14. P. Deka and B. K. Das, "Robust Sparse EHCAF Algorithm and Convex Combination Based Variants," In: IEEE Guwahati Subsection Conference (GCON), 2025, Guwahati, Assam, India, IEEE, 2025 (Accepted).
15. D. M. Baruah and B. K. Das, "Robust Constrained Exponential Hyperbolic Cosine Adaptive Filter," In: IEEE Guwahati Subsection Conference (GCON), 2025, Guwahati, Assam, India, IEEE, 2025 (Accepted).
16. P. Deka, B. Kalita, and B. K. Das, "Enhancing Adaptive Feedback Cancellation Efficiency in Two-Microphone Hearing Aids," In: IEEE 21st India Council International Conference (INDICON), December 2024, IIT Kharagpur, West Bengal, India, IEEE, 2024.
17. S. Senchowla and B. K. Das, "Exponential Hyperbolic Cosine Robust Adaptive Diffusion Strategy for Distributed Estimation," In: IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), December 2024, IIT Guwahati, Assam, India, IEEE, 2024.
18. N. Bhunia and B. K. Das, "Improving the performance of Block Sparse Set-Membership PNLMS Algorithm using L1 norm," In: IEEE Calcutta Conference (Calcon), December 14-15, 2024, Jadavpur University, Kolkata, West Bengal, India, IEEE, 2024.
19. P. Deka and B. K. Das, "Improved Adaptive Feedback Cancellation in Two-Microphone Hearing Aids with a Novel Bias Reduction Technique," In: IEEE International Conference on Signal Processing, Communications and Computing (ICSPCC), August 2024, Bali, Indonesia, IEEE, 2024.
20. D. Baruah, S. Senchowla, and B. K. Das, A Real-time Algorithm for Selection of Reference Microphone Pair in BLCMV Beamformers in Hearing Aids, In: 2024 IEEE International Conference on Signal Processing, Communications and Computing (ICSPCC 2024), Bali, Indonesia, August 2024.
21. J. Lalwani, D. Linnet, M. Vetrivelan, K. H. Venkat, R. Shaik and B. Jajodia, "Hybrid Quantum-Classical Solution for Automated Labeling and Validation", in SPIE Defense and Commercial Sensing (Quantum Information Science, Sensing and Computation XVII), Orlando, Florida, United States, 13-17 April, 2025.
22. U. Singh, R. Mundliya, R. Maharana and B. Jajodia, "Floating Point Multipliers on FPGAs", in 2025 IEEE 6th International Conference on "Devices for Integrated Circuit (DevIC 2025), Kalyani Government Engineering College, Kalyani, West Bengal, India , 4-5 April, 2025 .
23. B. Barman, H. K. Choudhury and B. Jajodia, "Predicting Diabetes Prevalence with Machine Learning Models: Insights from NFHS Data Analysis", in 12th Annual Conference of the Indian Health Economics and Policy Association (IHEPA) on New Paradigms in Health Economics and Policy, Institute of Economic Growth, New Delhi, India, 22-23 January, 2025.
24. S. Singh and B. Jajodia, "FPGA-Based SoC Design with CORDIC-POSIT Arithmetic for Efficient IoT Data Processing", in 2024 Second IEEE Conference on IoT, Communication and Automation Technology (ICICAT), Buddha Institute of Technology, GIDA, Gorakhpur, Uttar Pradesh, 23-24 November, 2024.

25. S. Maurya and B. Jajodia, "Approximate Modular Multipliers for R-LWE Cryptosystems on FPGAs and ASICs", in 2024 IEEE Silchar Subsection Conference (SILCON), National Institute of Technology (NIT) Agartala, Agartala, 15-17 November, 2024.
26. R. Maharana, A. Roy, S. K. Singh, M. Das and B. Jajodia, "FPGA-Optimized Seven-Term Karatsuba Multipliers for Large Integer Arithmetic", in 2024 First IEEE International Conference on Electronics, Communication and Signal Processing (ICECSP), Department of Electronics and Communication Engineering, National Institute of Technology (NIT) Delhi, Delhi, 8-10 August, 2024.
27. S. Kumar, S. Patel, S. Singh, M. Das and B. Jajodia, "Design and Evaluation of FPGA-Optimized Asymmetrical Three-Term Karatsuba Multipliers", in 2024 First IEEE International Conference on Electronics, Communication and Signal Processing (ICECSP), Department of Electronics and Communication Engineering, National Institute of Technology (NIT) Delhi, Delhi, 8-10 August, 2024.
28. S. Patel, S. Singh, S. Kumar, M. Das and B. Jajodia, "ATP-Optimized Four-Term Karatsuba Multipliers for Large Integer Arithmetic on FPGAs", in 2024 First IEEE International Conference on Electronics, Communication and Signal Processing (ICECSP), Department of Electronics and Communication Engineering, National Institute of Technology (NIT) Delhi, Delhi, 8-10 August, 2024.
29. R. Maharana, S. K. Singh, A. Roy, M. Das and B. Jajodia, "FPGA-Optimized Asymmetrical and Symmetrical Six-Term Karatsuba Multipliers", in 2024 First IEEE International Conference on Electronics, Communication and Signal Processing (ICECSP), Department of Electronics and Communication Engineering, National Institute of Technology (NIT) Delhi, Delhi, 8-10 August, 2024.
30. A. Goswami, S. Rao, and S. Kashyap: "Physical Layer Security for Amplify-and-Forward Relay Aided Cognitive Radio Networks," COMSNETS 2025, Bengaluru, India, pp. 389-396.
31. A. Banerjee and S. W. Hussain, "An 8T Single Bit-Line Content Addressable Memory Cell for High-Performance Searching Applications," in Proc. 36th IEEE International Conference on Microelectronics (ICM), Doha, Qatar, 2024, pp. 1-6, doi: 10.1109/ICM63406.2024.10815912.
32. Alam, Shamshad, Soibam Aruna Chanu, Uttara Biswas, Anas Ashraf, Shantanu Singh Chauhan, Mohd Mansoor Khan, and Ramesh Kumar Sonkar, "Racetrack ring resonator based refractive index sensor for biosensing application," In 2025 IEEE Guwahati Subsection Conference (GCON), pp. 1-5. IEEE, 2025.
33. Mohd Mansoor Khan, Sarma, Krishna, and Kaisar Ali, "Intelligent O+E Band Hybrid Optical Amplifier: Machine Learning Approach," In 2025 IEEE Guwahati Subsection Conference (GCON), pp. 1-5. IEEE, 2025.
34. Kumar, Nitish, Mohd Mansoor Khan, Soibam Aruna Chanu, and Ramesh Kumar Sonkar, "Design and Analysis of Minimal Area All-Optical 2D-Photonic Crystal based AND Gate" SPIE Optics and Optoelectronics 2025 Prague, 2025 (Accepted and Presented).
35. Chanu, Soibam Aruna, Mohd Mansoor Khan, and Ramesh Kumar Sonkar, "Photonic Crystal based asymmetric parallel waveguide design for WDM/MDM applications" SPIE Optics and Optoelectronics 2025 Prague, 2025 (Accepted and Presented).

36. Kaphungkui, NK, Toslima Nasrin, Mohd Mansoor Khan, Sewali Bharali, and Somishon Keishing, "Ethnomedicinal Plants Used by Scheduled Tribe Communities of Dima Hasao District of Assam, North East India" National Conference on Integrating Ethnobotany and AI for Future Healthcare Solutions for Viksit Bharat @2047, Dibrugarh University, Assam India, 2025.
37. Mohd Mansoor Khan, "Distributed Sensing of the Noxious Micro-Nano Plastics in Water Bodies: General Overview, Improved Aspects, and Metamaterials,," International Conference on Advanced Material and Startup Ecosystem 2024, Trivandrum Engineering Science and Technology (TrEST), Kerela, 2024.
38. Kumar, Nitish, Mohd Mansoor Khan, and Ramesh Kumar Sonkar, "Design and Performance Investigation of Compact and Fast Metaphotonics All-Optical Digital OR Gate" IEEE Numerical Simulation of Optoelectronic Devices (NUSOD 2024), pp. 93-94, New Delhi, India, 2024.
39. Sarma, Krishna and Mohd Mansoor Khan, " O+E+S+C Ultra Broadband Hybrid Optical Fiber Amplifier," IEEE Numerical Simulation of Optoelectronic Devices (NUSOD 2024), pp. 85-86, New Delhi, India, 2024.
40. Sarma, Krishna, Kaisar Ali, and Mohd Mansoor Khan, " Optimization of O-Band Praseodymium-Doped Optical Fiber Amplifier in a CWDM Communication Link," IEEE ITU Kaleidoscope: Innovation and Digital Transformation for a Sustainable World (ITU K), pp. 1-5. IEEE, 2024, New Delhi, India.
41. Sarma, Krishna and Mohd Mansoor Khan, "Design of O+E Band Hybrid Optical Signal Amplifier via Praseodymium and Thulium Doped Fibers," IEEE R10 TENSYP 2024, pp. 1-4. IEEE, 2024, New Delhi, India.
42. Mohd Mansoor Khan, Anand Sahu, and N K Kaphungkui, "Ethnomedicines of Assam and Meghalaya States in India: An effort to create Sustainable Livelihoods among Tribal Communities via App Agroshadhi," IEEE R10 TENSYP 2024, pp. 1-6. IEEE, 2024, New Delhi, India.
43. Kumar, Nitish, Mohd Mansoor Khan, and Ramesh Kumar Sonkar, "Design and Analysis of Minimal Area All-Optical 2D-Photonic Crystal Based AND Gate," , 2024. (Accepted)," 2024 IEEE 10th International Conference on Photonics (ICP), 2024, Malaysia (Accepted).
44. Sarma, Krishna and Mohd Mansoor Khan, "E-Band Signal Amplification in "Waterless" Thulium-Doped Fibers: Numerical Analysis," 2024," 2024 IEEE 10th International Conference on Photonics (ICP), 2024, pp. 18-19. IEEE, 2024, Malaysia.
45. Roy, A., Yadav, A., & Roy, S. Design of an 8 Bit 1 GSPS Flash ADC with a Latency Induced Thermometric to Binary Encoder. In *2024 IEEE Region 10 Symposium (TENSYP)* (pp. 1-6). IEEE. (2024, September).
46. Roy, A., Yadav, A., & Roy, S. A Novel Offset Compensation Technique for a High Speed Flash ADC. In *TENCON 2024-2024 IEEE Region 10 Conference (TENCON)* (pp. 234-239). IEEE. (2024, December).
47. B. Halo, S. Bhowmick, and S. Panja, "Dynamical analysis of Friedkin-Johnsen model over structurally balanced signed network," *IFAC-PapersOnLine*, vol. 57, pp. 309–314, 2024.

48. H. Borthakur and S. Panja, "Integration of Various ROS Packages for Autonomous Navigation and Mapping of Mobile Robot," In *IEEE Region 10 Symposium (TENSYP-2024)*, New Delhi, India, 2024, pp. 1-6.
49. H. Das, S. P. Ahmed and K. Khanikar, "Pilot Design Using White Noise Sequence for Channel Estimation in OTFS," in *2024 IEEE 21st India Council International Conference (INDICON)*, Kharagpur, India, 2024.
50. A. K. Kalita, C. Dittmar, P. Sani, F. Zalkow, E. A. P. Habets, R. Patra, "PAD-VC: A Prosody-aware Decoder for Any-to-few Voice Conversion," accepted in *IWAENC 2024*, Sept. 9-12, Aalborg, Denmark.
51. S. Kurma, K. Singh, A. Paul, and S. Biswas, "Digital Twin and Active STAR-RIS Integration for Improved URLLC in Cognitive Radio Networks," in *proc. IEEE International Conference on Communications (ICC)*, Montreal, 2025.
52. A. Singh, K. Singh, A. Kaushik, and S. Biswas, "Adaptive Neural Network Optimization for Fully Connected STAR-RIS-Aided NOMA Networks," in *proc. IEEE International Conference on Communications (ICC)*, Montreal, 2025.
53. R. Patel, K. Singh, S. Mumtaz and S. Biswas, "Breaking the Barriers: An Active RIS-Enhanced DFRC System for Improved Multi-User Communication," in *proc IEEE Global Communications Conference (GLOBECOM)*, Cape Town, South Africa, 2024, pp. 5205-5210, doi: 10.1109/GLOBECOM52923.2024.10901001.
54. P. Saikia, K. Singh, W. J. Huang, W. Bazzi and S. Biswas, "Enhancing V2X Communication with Active RIS: A MADRL Approach with Perfect and Imperfect CSI," in *proc. IEEE Vehicular Technology Conference (VTC2024-Fall)*, Washington, DC, USA, 2024, pp. 1-5, doi: 10.1109/VTC2024-Fall63153.2024.10757678.

Book Chapter

1. K Basak and R Patra, "Deep CNNs in image-guided diagnosis of breast and skin cancers." *Deep Learning in Biomedical Signal and Medical Imaging*, edited by N. H. Singh, U. Kose, S. P. Gochhayat, CRC Press, 2024.
2. B. Paul and R Patra, "Deep Learning in Photoacoustic Tomographic Image Reconstruction." *Deep Learning in Biomedical Signal and Medical Imaging*, edited by N. H. Singh, U. Kose, S. P. Gochhayat, CRC Press, 2024.

Workshop/Talk Organized:

1. Workshop organized on "Reconfigurable Intelligent Surfaces-Empowered 3CLS for 6G and Beyond Communications, at IEEE WCNC, Dubai, 2024 by Dr. Sudip Biswas.
2. Dr. Rakesh Biswas, Co-ordinator, and Dr. Sheikh Wasmir Hussain, Co-coordinator, organized a 3-Day VLSI Test Workshop in association with TTTC India on March 7-9, 2025 in IIIT Guwahati Campus. Resource persons invited for the workshop were reputed professionals from Cadence, AMD, and IIT Kharagpur. 96 participants including students, working professionals and faculty members from NE region of India attended the workshop.

3. SPARC sponsored workshop on “Quantum Computing for 6G”, at IIIT Guwahati. 22-23 March 2025 was organized by Dr. Sudip Biswas

Invited Talk:

1. Dr. Shovan Barma delivered a talk on “SEmotion Recognition by Distinguishing High Affective Content in Physiological Signal: A Case Study in EEG” on 11 IEEE International Conference on Orange Technology on 4 - 7 December 2023, Kyungpook National University, Daegu, South Korea.
2. Dr. Mourina Ghosh delivered a talk during the short-term course titled “AI-Driven Signal Processing & VLSI for Wireless Communication (ASPVWC-2025),” held in hybrid mode at NIT Delhi from April 21 to 26, 2025.
3. Dr. B. Jajodia delivered a talk on “Quantum Computing in the Abstract” in Workshop on Quantum Computing for 6G Under the Project “Open RAN for Next-Gen 6G Communications Using AI-based Quantum Computing, Sponsored by Scheme for Promotion of Academic and Research Collaboration (SPARC), UK-India Education and Research Initiative (UKIERI), organized by Deptt. of Electronics and Communication Engineering, Indian Institute of Information Technology, Guwahati, Assam, India, 22–23 March 2025.
4. Dr. S. W. Hussain delivered an Invited Talk on “Content Addressable Memory: A Design Perspective From Exact to Approximate Searching Architecture,” in Workshop on Emerging Cutting Edge Technologies in CMOS: Trends and Challenges, NIT Silchar, Silchar, Dec. 11 – 15, 2024.
5. Dr. Mourina Ghosh delivered a talk 5 days workshop on “Engineering the Future: From Data to Design,” held in hybrid mode at NIT Meghalaya from May 20 to 24, 2025, Funded by IEEE WISE.
6. Invited Lecture, “Distributed Sensing of the Noxious Micro-Nano Plastics in Water Bodies: General Overview, Improvised Aspects, and Metamaterials.,” International Conference on Advanced Material and Startup Ecosystem 2024, Trivandrum Engineering Science and Technology (TrEST), Kerela, 2024.”
7. Dr. Rusha Patra has delivered Pre-Conference Lecture in 4th IEEE International Conference on Sensors and Related Networks, SENNET 2025; on Photoacoustic Tomography for Medical Imaging at Vellore Institute of Technology (online mode).
8. Dr. Kukil Khanikar delivered a talk on “AI and its Impact on Communication Technology” in a 3-Day Workshop cum Investor and MSME meet on Robotics, Artificial Intelligence and Entrepreneurship organized by Technology Enabling Centre in collaboration with The Robotic Society at Tezpur University from 16-18 December, 2024.

9. Dr. S. Biswas delivered a talk on “In-band Full Duplex Communication: Fundamentals and Applications” in MM TTC Sponsored 12-day Refresher Course on Wireless Communication, organized by IIITDM Kancheepuram, 22-Mar., 2025.
10. Dr. S. Biswas delivered a talk on “Smart Healthcare Systems using IoT and AI/ML” in Advanced Entrepreneurship and Skill Development Programme (A-ESDP), organized by NIT Sikkim, 27-April., 2024.

Other Activities:

1. Dr. Mohd Mansoor Khan, Publication Committee Member, IEEE GCON 2026
2. Dr. Mohd Mansoor Khan, Technical Programme Committee Member, IEEE DELCON 2025, IEEE ANTS 2025
3. Dr. Sudip Biswas is a TPC member for IEEE GLOBECOM 2024, Cape Town, South Africa in Selected Areas in Communications: Reconfigurable Intelligent Surfaces.
4. Dr. Mohd Mansoor Khan, Startup Session Chair, International Conference on Advanced Material and Startup Ecosystem 2024, Trivandrum Engineering Science and Technology (TrEST), Kerela, 2024.
5. Dr. Shovan Barma is a TCP Member of 12th IEEE International Conference on Orange Technology, 15-18 December, 2024 Tainan, Taiwan (ROC).
6. Dr. Sudip Biswas is a TPC member for IEEE GLOBECOM 2025, Taipei, Taiwan, in Selected Areas in Communications: Machine Learning for Communications.
7. Dr. Sudip Biswas is a TPC member for IEEE GLOBECOM 2025, Taipei, Taiwan, in Selected Areas in Communications: Reconfigurable Intelligent Surfaces.

Other Achievements/Awards:

1. Dr. Babita Jajodia, Worked as Mentor for a Team of five B. Tech Final Year Students, [Reached Top 20 in the Digital Design Hackathon, Organized by Ministry of Electronics & Information Technology \(MeitY\), Chips to StartUp \(C2S\), Government of India](#), and participated in 100 Hours Analog and Digital Hackathon, Organized by ChipIN Centre under C2s at PES University, from 16th March 2025 to 20th March 2025.
2. Dr. Mohd Mansoor Khan, International Travel Grant Recipient in the “IEEE ICP2024, Malaysia by the Indian National Science Academy (INSA) and Anusandhan National Research Foundation (ANRF).
3. Dr. Mohd. Mansoor Khan, All India Finalist in the “NER-Tech Hackathon 2.0, 2025 organized by sponsored Govt. of India at Bengaluru. Topic: Smart Sensor for Lead Chromate Adulteration Detection in Turmeric Spice using Optoelectronics and IoT node.

4. Dr. Mohd. Mansoor Khan, All India Finalist in the “Ideas for Viksit Bharat, S&T Hackathon during the India International Science Festival 2024 sponsored by Department of Science and Technology, Govt. of India at Indian Institute of Technology Guwahati. Topic: Economically viable solution of IoT based Spectrophotometer for Lead Chromate adulteration detection in Turmeric using Machine Learning.
5. Dr. Mohd. Mansoor Khan, Received the IEEE WISE/YP Big Idea Pitch Innovation Catalyst Award-Winner at International IEEE Applied Sensing Conference (APSCON 2024), BITS Pilani K K Birla Goa Campus, 2024. The award consists of cash prize, citation, and start-up opportunities.

Department of Science & Mathematics

Faculty:

1. Dr. Anuradha Jha, Assistant Professor, Numerical solutions of ordinary and partial differential equations, Singular perturbation problems.
2. Dr. Farha Sultana, Assistant Professor, Lifetime Data Analysis, Accelerated Lifetesting, Reliability Theory
3. Dr. Masihuddin, Assistant Professor, Ranking and Selection Problems and Related Estimation Problems, Statistical Decision Theory
4. Dr. Mostafizar Khandakar, Assistant Professor, Probability Theory, Subordinated Stochastic Processes, Statistics.
5. Dr. Harun, Assistant Professor, Analytic Number Theory: Delta methods, Automorphic forms and Subconvexity for L-functions.

Publications in Journals:

1. Nirmali Roy, **Anuradha Jha**, A Parameter Uniform Hybrid Approach for Singularly Perturbed Two-Parameter Parabolic Problem with Discontinuous Data, Iranian Journal of Numerical Analysis and Optimization, 15, pp- 728-769, (2025).
2. Kataria, K. K. and **Khandakar, M.** (2025). On a non-linear birth process with multiple arrivals. ALEA. Latin American Journal of Probability and Mathematical Statistics, 1-17.
3. Kataria, K. K., **Khandakar, M.** and Vellaisamy, P. (2025). Non-homogeneous and time-changed versions of generalized counting processes. Advances in Applied Probability, 1-37.
4. **Mohd Harun**, Sumit Kumar, Saurabh Kumar Singh: Hybrid subconvexity bound for $GL(3)$ L-functions: t and level aspect, *Mathematika*, 70(4), 2024 (Published online on 27th July 2024) (DOI: <https://doi.org/10.1112/mtk.12272>).
5. R. Kumari, **F. Sultana**, Y. M. Tripathi, and R. K. Sinha, "Parametric Inference for Inverted Exponentiated Family with Jointly Adaptive Progressive Type-II Censoring," *Life Cycle Reliability and Safety Engineering*, Vol. 14, pp. 37-56, 2025.
6. **F. Sultana**, C. Cetinkaya, and D. Kundu, "Analysis of Two Weibull Populations Under Joint Generalized Progressive Type-I Hybrid Censoring," *Hacettepe Journal of Mathematics and Statistics*, vol. 54, no.1, pp: 63- 90, 2025.
7. Tooba Qamar , Md Samsuddin Ansari, Masihuddin and Sayali Mukherjee, " MicroRNAs as Biomarker in Rheumatoid Arthritis: Pathogenesis to Clinical Relevance". *J Cell Biochem*, 2025, DOI: [10.1002/jcb.30690](https://doi.org/10.1002/jcb.30690).

Publications in Book Chapters:

1. Ummey Habiba and **Masihuddin**, “Enhancing Supply Chain Logistics through Neutrosophic Pentagonal Solid Interval Transportation Problem Optimization”, Mathematics and Logics in Computer Science: Proceedings of ICMLCS 2025, Springer (2025).
2. UmmeyHabiba, **Masihuddin** and Abdul Quddoos, “Optimizing an Interval-Based Biomedical Solid Transportation Problem”, Mathematics and Logics in Computer Science: Proceedings of ICMLCS 2025, Springer (2025).

Presentation in Conferences:

1. **Dr. Anuradha Jha**, presented a paper titled, “ A Parameter Uniform Hybrid Approach for Singularly Perturbed Two-Parameter Parabolic Problem with Discontinuous Data” in the Special Session on Latest Developments in Computational Methods for Differential Equations Arising in Fluid Dynamics with Multi-scale and Boundary Layer Behaviour In 14th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Abu Dhabi, UAE, December 16-20, 2024.
2. **Dr. Mostafizar Khandakar** presented a paper titled “Non-homogeneous and time- changed versions of the generalized counting process” in International Conference on Statistical Learning-2025, held at IIT Ropar during March 06–08, 2025.
3. **Dr. Farha Sultana** delivered a talk on the “16th International Conference on Order in Statistical Data: Order Statistics and Beyond” held in RWTH Aachen University, Germany June 10th-13th, 2025.
4. **Dr. Masihuddin**, presented a paper titled “Estimating Shannon Entropy of the Selected Population” at the International Indian Statistical Association (IISA) 2024 Conference at CUSAT Kochi, Kerala December 27-31, 2024.

Visitors from Other Institutes:

1. **Prof. Rupam Barman**, Professor, Department of Mathematics IIT Guwahati, visited IIIT Guwahati on 30th August 2024 and delivered a talk titled “Ramanujan and the Partition Function” on August 30, 2024.

Others (Visits/Workshops attended):

1. **Dr. Anuradha Jha**, participated in the Five-day National workshop cum Faculty development Programme on “Deep Learning in Scientific Computing” organised by Centre for Mathematical & Financial computing, Department of Mathematics and Centre for Machine Learning & Big data Analytics, LNMIIT Jaipur, Rajasthan, March 24-28, 2025.
2. **Dr. Anuradha Jha**, attended the FDP AI Mastery for Educators, May 15, 2025 to June 7, 2025 conducted by Vishesan i-HUB IIT Patna.

3. **Dr. Mohd Harun**, attended an international conference and workshop titled “Circle Method and related topics” at ICTS TIFR, Bengaluru, from October 28 to November 08, 2024.
4. **Dr. Mohd Harun**, attended a “CIMPA-NCM school on automorphic L-functions” at IIT Ropar from June 30 to July 11, 2025.
5. **Dr. Farha Sultana** attended “International Day Of Women in Statistics and Data Science”

Invited Talk/Outreach Program by Faculty:

1. **Dr. Anuradha Jha** delivered an invited talk titled: Cantor set- mysterious subset of real numbers” on August 18, 2025 at Royal Global University Guwahati.
2. **Dr. Mostafizar Khandakar** delivered an invited talk on “Some Fractional Counting Processes” in Research & Industrial Conclave-Integration held at Indian Institute of Technology Guwahati, India during August 09–11, 2024.

Collaboration with International Institutions:

Name of the Faculty	Name of the institution	Country
Prof. Cagatay Cetinkaya	Kırıkkale University	Turkey
Dr. Ismet Birbicer	Cukurova University	Turkey
Prof. Erhard Cramer	RWTH University	Germany
Prof. Mohammad Z. Raqab	Kuwait University and The University of Jordan	Kuwait, Jordan
Prof. O. M. Bdair	Al-Balqa Applied University and Memorial University of Newfoundland	Jordan, Canada
Prof. Man Ho Ling	The Education Intuition of Hong Kong	Hong Kong
Dr. Mostafa Shaaban	The High Institute for Tourism and computer, Alexandria,	Egypt
Prof. P. Vellaisamy	University of California, Santa Barbara	USA

RESEARCH SCHOLAR ACHIEVEMENTS:

Awards:

1. **Ms. Mousami Ghosh** was awarded Outstanding Paper Award for the paper titled “Study of A Class of Additive Cyclic Codes” at the 7th Regional Science & Technology Congress held at Siliguri College, District Darjeeling, 24-

25 January 2025.

Publications:

1. **Mousumi Ghosh**, Sachin Pathak, Dipendu Maity, "On $Z_p^r Z_p^s Z_p^t$ -additive cyclic codes exhibit asymptotically good properties", *Cryptography and Communications*, Aug. 2024.
2. G. Kalita, **S. Azharuddin**, and F. Sayed, A summation transformation formula for Gaussian hypergeometric series and twisted Kloosterman sheaf sums, *Research in Number Theory*, vol. 11, Jan 2025.
3. G. Kalita and **S. Azharuddin**, A transformation and certain special values of hypergeometric series over finite fields, *Ramanujan Journal*, vol. 66, Jan 2025.
4. **S. Azharuddin** and G. Kalita, F_4 -Appell series in p -adic settings and their connections to algebraic curves, *Journal of Mathematical Analysis and Applications*, Volume 551, pp. 21, 2025.
5. **S. Azharuddin** and G. Kalita, Traces of Frobenius for elliptic curves and Appell series in p -adic settings, *International Journal of Number Theory* (Accepted), 2025.
6. Sachin Pathak, **Rishi Raj**, Dipendu Maity, "Skew negacyclic codes of length $4p^s$ over $F_p^m + uF_p^m$ ". *Cryptography and Communications*, Jan 2025.
7. **R Raj**, S Pathak, MM Kharkongor, D Maity, "A Study of Galois LCD Codes Over a Family of Non-chain Rings", *National Academy Science Letters*, pp. 1-8, 2025.

Conference presentations:

1. **Mr. Asad Uddin** presented a paper entitled "Exact Inference For The Exponential Distribution Using Type-I Censoring on Stage Life testing Experiments" in the Annual Conference of International Indian Statistical Association 2024, held from 27-31 December 2024 at Cochin University of Science and Technology, Kochi.
2. **Mr. Asad Uddin** presented a contributory talk entitled "Exact Inference For The Parameter of the Exponential Distribution based on Type-I Censored Stage Life testing data" in International workshop on reliability theory and survival analysis (IWRTSA 2024) held from 21-23 December 2024 at Banaras Hindu University, Banaras.
3. **Nirmali Roy** presented a contributory talk titled "A Hybrid Approach for Singularly Perturbed Parabolic Problem with Discontinuous Data", in the annual conference of Indian Women in Mathematics (IWM) at IIT Patna from July 10-12, 2025.
4. **Shaik Azharuddin** presented with the title 'A family of algebraic curves and Appell series over finite fields' in '2nd International Conference on Evolution in Pure & Applied Mathematics (ICEPAM - 2024)', Akal University, Talwandi Sabo,

Bathinda, India, 20-22 November 2024.

5. **Shaik Azharuddin** attended International Conference on Number Theory and Related Topics (ICNTRT), IMSc-IIT Madras, India, 16-18 December 2024.

Department of Humanities & Social Sciences

Faculty

1. **Dr Suranjana Barua**, Associate Professor, Sociolinguistics, Discourse/Conversation Analysis, English Language Teaching, Translation Studies, Gender Studies, Socio-cultural and political history of Assam
2. **Dr Hari Kanta Choudhury**, Associate Professor, Health Economics, Experimental Economics (RCT) and Development Economics.
3. **Dr Rajarshi Mitra**, Assistant Professor, Colonial and Postcolonial Literature, British Empire and Literature, Science Fiction Studies, The Long Nineteenth Century
4. **Dr L David Lal**, Assistant Professor, Politics of Identity, Violence (Caste and Ethnic Conflicts), Public Policy, Evaluation of Developmental Schemes, Sociopolitical History of Marginalised.
5. **Dr Kaveri Deb**, Assistant Professor, International Trade, International Finance, Open Economy Macroeconomics, Macroeconomics, Economics of Development.
6. **Dr Arjab Roy**, Assistant Professor, Colonial & Postcolonial Studies, Left Intellectual and Cultural History, Subaltern Studies, Adivasi Studies, Urban Studies, and English Language Teaching in India.
7. **Dr Ankita Sarmah**, Assistant Professor, Entrepreneurship, Micro Small and Medium Enterprises (MSMEs), Industrial Economics, Small-scale Industries and Agricultural Economics.
8. **Dr Rupjyoti Saha**, Assistant Professor, Sustainable Development Goals (SDGs) - Environmental, Social and Governance Practices, Green Finance and its Ecological Impact. Corporate Governance- board gender diversity, business group affiliations, family ownership, and board human capital, Knowledge-Based-Economy-Intellectual Capital.

I. Publications (Books):

Tulika Banik and **Arjab Roy**. "Naxal Andolon o Jaat er Rajneeti: Shaat-Shottor Dasake Bharatbawrsher Oti-Baampawntar Anandaloker Awntornihito Faatol", Naxalbarir Rajniti o Jaat-Paat er Proshno, (Ed.). Pradip Basu, Gangchil: Kolkata, 2025. (15-30). [ISBN: 978-81-19360-92-5] (In Bangla)

Ankita Sarmah, Arjab Roy, and Kukil Khanikar. "Technology, Policy and Sustainability: Lessons from Solar Irrigation Initiatives in Assam", Advancing Sustainability Through Technology Management, (Eds.). Firdous Ahmad Malik et al, IGI Scientific Publishing. (DOI: 10.4018/979-8-3373-3394-6). [ISBN13: 9798337333946], [ISBN13 Softcover: 9798337333953], [EISBN13: 9798337333960]. (Forthcoming).

Suranjana Barua and Dimple Choudhury. (2025). 'Assessing Language Endangerment in Northeast India Through a Four Language Prism' in *Dash, N.S., Arulmozi, S., Ramesh, N. (eds) Handbook on Endangered South Asian and Southeast Asian Languages. Springer Nature, Switzerland. 383-414. https://doi.org/10.1007/978-3-031-80752-7_17*

Suranjana Barua. (2024). 'Food Mnemonics and Identity Construction' in Chaudhuri, S. K.; Nath, D.P. and Sarma, D (Eds) *Food Cultures of India*, (2024), pages. 197-208, Manohar Publishers, New Delhi, India.

L David Lal, "Beyond the Forest: Struggle Over Indigenous Identity in India", *The Book Review*,49, (2025), pages. 31-33, Literary Trust

II. Publications (Journals):

Roy, Arjab. "Ranajit Guha's Vernacular Turn: Selfhood, History, and the Naxalbari Movement", *Ranajit Guha and the Global South*, Kairos Special Issue 10.1 2025. 24-40. Web. [ISSN 2581-7361]

Banik, Tulika & **Mitra, Rajarshi.** "Scholarly Emotions and Scholarly Spaces: Reading the Letters of Sukumar Ray", *Literary Geographies* 10 (2), 169-174.

Bhattacharyya Karnikaa & **Deb, Kaveri.** "Comparative analysis of the portfolio-balance models of exchange rate determination." *Foreign Trade Review*. 2024. <https://doi.org/10.1177/00157325241266035>

Bhattacharyya, Karnikaa & **Deb, Kaveri.** "Analysing a new portfolio balance model with micro and macro determinants of exchange rate when expectations are rational." *Journal of Quantitative Economics*. 2024. <https://doi.org/10.1007/s40953-024-00427-5>

Deb, Kaveri, "An Overshooting Model of Exchange Rate Determination and Forecasting: A Threshold Regression Approach." *Journal of Asian Business and Economic Studies*. 2025. With Karnikaa Bhattacharyya. <https://doi.org/10.1108/JABES-11-2024-0502>

Lal, L David. "Caste Discrimination and Exclusion in Indian Universities: A Critical Reflection", *Contributions to Indian Sociology*,58 (1), (2024), pages. 110-112, (Sage) <https://doi.org/10.1177/00699659241258325>

Bimal K Kar, Anchal Purbey, Aditi, Minakshi Buragohain, **L David Lal**, Punit Mishra, Subrato Mondal, "Maternal Health in Assam: Unveiling Broader Challenges", *Demography India*, Special Issue: RASTA (2025), (2025), pages. 146-160.

Kalita, L. and **Choudhury, Hari K.** (2024). Exploring fertility differentials between tea and ex-tea garden laborers of Assam, *International Journal of Public Health Science*, Vol. 13, No. 4, pp. 1855~1863

Kalita, L. and **Choudhury, Hari K.** (2024). Exploring the impact of occupational mobility on socioeconomic status of tea garden labor community of Assam, *SN Business and Economics*, Vol. 4, No. 71, pp. 1-22.

Saha, Rupjyoti & Maji, S. G. (2025). Tangibility of intangibles in the ESG disclosure-carbon intensity nexus for S&P 500 firms. *Managerial Finance*, 51 (9): 1377-1391.

Saha, Rupjyoti & Maji, S. G. (2025). Does environmental, social, and governance (ESG) disclosure matter for carbon intensity? Evidence from S&P 500 firms. *Journal of Environmental Management*, 387, 125809.

III. Publications (Conference Proceedings)

Prangan Lahkar & **Arjab Roy**. "Introduction and Reception of Graphic Narratives in UG Classrooms of Assam: Pedagogies, Possibilities and Challenges" – Conference Proceeding, English Language Education in the Global South: Innovation, Inclusion, Empowerment, AINET Association of English Teachers. 2025: 111-22. [ISBN: 978-81-19360-92-5]

L David Lal, "From Benign to Blatant: Reproduction of Caste through Atrocities", in an edited book on Social Exclusion Matters: Essays on Discrimination and the Journey of Inclusion (Conference Proceedings), (2024), pages. 122-142

IV. Invited lectures, Chairs & Special Invitees

Suranjana Barua. (2025). 'Fundamentals of Research Writing' at Value Added Course Blueprint to Brilliant Writing organized by the Department of English, University of Science and Technology Meghalaya (USTM) on 18 September, 2025.

Suranjana Barua. (2024). 'Writing Research/ Research Writing : The Basics of Academic Writing'. Invited Lecture for seminar on Research Paper Writing at VIT, Chennai 11 September, 2024.

Suranjana Barua. (2025). 'Identity Salience in a Changing World Order: Peer Group Dynamics and the Young Adult'. Invited talk/ research paper presented at *Early Career Researchers' Conclave & Colloquium*, Institute of Language Studies and Research, (ILSR), Kolkata, 23-24 June, 2025.

Ankita Sarmah was invited as a resource person to deliver a talk in the online workshop on "From Theory to Practice: Teaching Case studies for Quality Education (SDG 4)", organized by Faculty of Management and Commerce, School of Business and Commerce, Department of Business Administration, Manipal University Jaipur on 7th August 2024.

Ankita Sarmah was invited as a resource person to deliver an online talk on "The Business Start-up Process" organised by AZON-AI a start-up of the European Union (EU) funded Project SymAware, in August 2024.

Rajarshi Mitra chaired a session on "Urban Margins and Narratives of the Non-Human" in *Urban Metamorphoses: Understanding the Dynamics and Diversity of South Asian Cities* (27 February, 2025).

Rajarshi Mitra chaired Plenary VI by Sourit Bhattacharya. " in *Urban Metamorphoses: Understanding the Dynamics and Diversity of South Asian Cities* (28 February, 2025).

Rajarshi Mitra. Invited Talk. "Print Cultures in Early Nineteenth Century Calcutta", IR Seminar Hall, Jadavpur University, June 26, 2024.

Rajarshi Mitra. Special Lecture on the theme of Archiving the City, “Open to All but Influenced by None: Early Calcutta Periodicals as Urban Archive ” in Urban Metamorphoses: Understanding the Dynamics and Diversity of South Asian Cities (27 February – 01 March, 2025).

L. David Lal invited to deliver a lecture on "["Indian Knowledge Systems"](#)", 13th Two-Week Online Programme on “NEP Orientation & Sensitization Programme, 22nd January 2025 , (2025), UGC MM-TTC at Central University of Punjab

L. David Lal invited to deliver a lecture on '[Indian Knowledge Systems"](#)', 21st NEP Orientation and Sensitisation Programme, 5th February, 2025, (2025), MMTTC-SRI RAM COLLEGE OF COMMERCE, UNIVERSITY OF DELHI

L. David Lal invited to deliver a lecture on "["Indian Knowledge Systems"](#)", 22nd NEP Orientation and Sensitisation Programme, 20th February, 2025, (2025), MMTTC-SRI RAM COLLEGE OF COMMERCE

L. David Lal invited to deliver a lecture on "["Indian Knowledge Systems"](#)", 23rd NEP Orientation and Sensitisation Programme, 4th March, 2025, (2025), MMTTC-SRI RAM COLLEGE OF COMMERCE

L. David Lal invited to deliver a lecture on "["Indian Knowledge Systems"](#)", 14th Two-Week Online Programme on “NEP Orientation & Sensitization Programme, 5th March 2025 , (2025), UGC MM-TTC at Central University of Punjab

L. David Lal invited to deliver a lecture on "["Indian Knowledge Systems"](#)", 26th NEP Orientation and Sensitisation Programme, 24th April, 2025, (2025), MMTTC-SRI RAM COLLEGE OF COMMERCE

L. David Lal invited to deliver a lecture on '[Indian Knowledge Systems"](#)', 13th Two-Week Online Programme on “NEP Orientation & Sensitization Programme, 16 June 2025 , (2025), UGC MM-TTC at Central University of Punjab

L. David Lal invited to deliver a lecture on '[Indian Knowledge Systems"](#)', 26th NEP Orientation and Sensitisation Programme, 22 July, 2025, (2025), MMTTC-SRI RAM COLLEGE OF COMMERCE

L. David Lal was invited to deliver lectures on 'Institutional Mechanism for Managing Diversity Social Inclusion in the Higher Education Campus' and 'Student Diversity and Civic Learning' in a two-day Collaborative Orientation Programme on Student Diversity and Inclusion in Higher Education to be conducted by NIEPA and UGC-MMTTC, Gauhati University on 4th October, 2024.

L. David Lal invited to deliver a lecture on '[Indian Knowledge Systems"](#)', 11th NEP Orientation and Sensitisation Programme, 5th September, 2024, MMTTC-Sri Ram College Of Commerce, University Of Delhi

L. David Lal invited to deliver a lecture on "[Indian Knowledge Systems](#)", 10th Two-Week Online Programme on "NEP Orientation & Sensitization Programme", 19th of September 2024, UGC MM-TTC at Central University of Punjab

L. David Lal was invited as a discussant on 'Gender and Governance in Assam: Studying Institutions, Practices and Policies.' at Conference Hall, New Academic Building, Gauhati University, 14th November, 2024.

L David Lal was invited as an external member of Board of Studies -Political Science on 24th May 2025 to evaluate the graduate curriculum.

L David Lal was invited as an external member of Board of Studies -Political Science on 26th October 2024 to evaluate the post-graduate curriculum.

Hari K. Choudhury was invited as a resource person for a 3 days' workshop (11-13th September 2024) on "Research Methodology for Social Sciences" to delivered a talk on "Basics of SPSS". The workshop was organized by Rangia College, Kamrup.

Hari K. Choudhury was invited as a resource person for a one-day workshop to deliver a talk on "Limited Dependent Variable Analysis" held on 23rd November 2024. The Workshop was organized by the Department of Commerce, Tezpur University.

Hari K. Choudhury was invited as a resource person for a workshop to deliver a talk on "Regression Analysis", held on 19th March 2025 at Tezpur University. The Workshop was organized by the Centre for Multidisciplinary Research, Tezpur University.

Hari K. Choudhury delivered a talk on "Preventing Cervical Cancer Incidence: Evidence from an experiment" in the *Colloquium Series of Socio Economic Research Unit (SERU)*, North-East Center, *Indian Statistical Institute (ISI)*, Tezpur,

Hari K. Choudhury was invited by Dibrugarh University to serve as an External Subject Matter Expert for the selection of a Research Associate under an ICSSR-approved project on 04-04-2025.

V. Seminars/ conferences

Ankita Sarmah and **Arjab Roy**. "Exploring the Potential of Barpeta's Doulutsav in Ushering Economic and Socio-Spiritual Development in Assam through Religious Tourism", Unraveling Indian Knowledge Across Asia (UNIKAA' 24), Centre for Indian Knowledge Systems, Indian Institute of Technology (IIT) Guwahati. October 3-5, 2024.

Arjab Roy. "An Overview of Teaching-Learning Pedagogies of Graphic Narratives in Assam's Higher Education: Thoughts on Educational Policy and Cultures of Practice", International Conference on Graphic Narratives and Comic Studies as World Literature Phenomena, Department of Indian and World Literatures, The English And Foreign Languages University, Hyderabad. 12-14 February, 2025.

Suranjana Barua and Kakoty, Porixita. (2024). 'At the Crossroads of History, Industry and a Multilingual Ecology: The Case of Assam Sadri'. Paper presented at the 1st International Conference on Language, Ecology and Culture organized by North Eastern Institute of Language and Culture (NEILAC) and Laudato Si' Research Institute, Campion Hall, University of Oxford; 30 September – 1 October, 2024.

Suranjana Barua (2024). 'Protecting the Self: Discursive Strategies of Self-Preservation in Peer Group Context'. Paper presented at *Voices of India and Beyond: Mobility, Sustainability and Technology*; International Conference jointly organized by University of Hyderabad, Maulana Azad National Urdu University (MANUU) and Woxsen University, 28-30 August, 2024.

Rajarshi Mitra. (2024). "The Sporting Orient: Leisure Topography of British Subalterns in early Nineteenth Century Bengal" in the panel on *Indian and Cross Cultural Encounters* in the Annual Conference of the Research Society for Victorian Periodicals in University of Stirling, June 15.

Rajarshi Mitra. (2024). "In Pursuit of Oriental Beasts: Sentiment, Intimacy and Blending in Romantic Era Colonial India" in the panel on *Education, Diplomacy and Hunting in British South Asia* in the Annual Conference of Britain and the World in the University of Winchester, June 22.

L David Lal presented a research paper on 'Guilt and Remorse in Caste Atrocities' at the Molde workshop on Issues and challenges in global studies: Ambedkar's theoretical contribution, forced labour and exclusion held on 14-16 August 2014.

Derhasat Narzary and **L David Lal** presented a research paper titled 'Empowering Bodo Women through Forest Based indigenous Entrepreneurship: A Case Study of Van Dhan Vikas Kendras in Post-Conflict Kokrajhar, Bodoland, at the International Conference on 'Tribal Resistance, Resilience and Reimagining Futures' at IIT Madras on 21-22 June, 2024.

L David Lal presented research paper on 'Beyond Borders: The Role of the Tamil Diaspora in Promoting India-Mauritius Relations' at the International Conference on Indian Diaspora in African Countries: Diverse History of Migration and Settlement in Western Indian Ocean on 10-11 March 2025, organised by The Centre for African Studies, School of International Studies, Jawaharlal Nehru University, in collaboration with Organisation for Diaspora Initiatives (ODI) India.

L David Lal presented research paper on 'Cultural Continuity and Socio-Economic Challenges: The Tamil Diaspora in Myanmar' at the International Conference on Indian Diaspora from North East and Other Parts of the Country: Comparative Journeys, Identity and Challenges of India Connect from 24th to 25th October 2024, organised by Organisation for Diaspora Initiatives, India (ODI India) and NERRRC, Miranda House, University of Delhi.

VI. Convenor

Ankita Sarmah organized a day-long symposium on “Financial Planning and Stock Market Insights for Start-ups” on 8th September 2024 at IIITG in collaboration with the Innovation and Entrepreneurship (I&E) Cell of IIITG.

VII. Projects

Ankita Sarmah (Project Director) was awarded an externally funded project by Indian Council for Social Science Research (ICSSR) on Collaborative Empirical Research Project on Solar Energy & Sustainability (2024-25) titled “PM-KUSUM Scheme in The North-East India: Opportunities, Challenges and the Path Forward for Arunachal Pradesh, Assam and Sikkim” worth Rs. 12,50,00.00/-. In collaboration with **Dr. Arjab Roy** and Dr. Kukil Khanikar (IIIT Guwahati) and Dr. Bhaskar Chettri (Independent Researcher) and Dr. Yograj Sharma (The ICFAI University Sikkim), as the Co-PDs.

Rajarshi Mitra (Co-PI) & Manas Ghosh (PI) awarded external funds from Indian Foundation of Arts for the project titled, “Fairground Experience in Cooch Behar” under the category Arts Research Project.

Rupjyoti Saha (Project Director) was awarded an externally funded project by the Indian Council for Social Science Research (ICSSR) on Socio-Economic Impact and Technological Adaptation of Textile-Based MSMEs in Assam, worth Rs. 8,00,000, in collaboration with Dr. Sudip Biswas (Dept. of ECE, IIITG), Dr. Angshuman Jana (Dept. of CSE, IIITG), and Prof. Santi Gopal Maji, (Dept. of Commerce, Tezpur University) as as the Co-PDs.

VIII. Training and Development

Arjab Roy. Completed the 07-Days Faculty Development Program on “Statistical Data Analysis using SPSS” held from March 10-16, 2025. Hosted by Scrollwell.

Suranjana Barua successfully completed *Recurrent Training for Interlocutors, Aviation English Language Experts (Raters) and Aviation English Trainers* organized by Airports Authority of India from 9 September – 12 September, 2024.

IX. Reviewer & Editor

Arjab Roy. Reviewed a paper titled “Visual Artistry: Exploration of Butch-Femme Spectrum in Batwoman Elegy”. Proceedings (to be published in *Jadavpur Journal of Languages and Linguistics*) for International Conference on Language, Culture and Cognition, organized by Center for Study of Contemporary Theory and Research (CSCTR), Adamas University in collaboration with Jadavpur University and Sister Nivedita University, 14-16 March, 2024.

Suranjana Barua served as PhD Reviewer/ Thesis Evaluator for various universities such as USTM, Gauhati University and RGU.

Suranjana Barua served as an Editor for the journal *Language and Language Teaching* (ISSN 2277-307X) Vol. 13, No 2 Issue 26, July 2024 and Vol 14, No. 1, Issue 27, January 2025. <http://llt.org.in/editorial-committee/>

Ankita Sarmah was a reviewer for ICAEF Book Proceeding 2024 published by Springer (SCOPUS indexed) from BITS Pilani.

Ankita Sarmah was a reviewer for “Institutional Seed Research Grant (ISRG)” scheme of Handique Girls’ College Guwahati Assam.

Rajarshi Mitra. *Journal of Imperial and Commonwealth History.*

Rajarshi Mitra. *Transcript: An E Journal of Literary and Cultural Studies.*

L David Lal. *Journal of Social Inclusion Studies, SAGE (2024-25)*

L David Lal. *J-Caste: A Global Journal on Caste Exclusion, Brandeis University (2024-25)*

L David Lal. *Asian Affairs, The Royal Society for Asian Affairs, Routledge, (2024-25)*

L David Lal. *Children and Youth Services Review, Elsevier, (2024-25)*

Rupjyoti Saha. Reviewer of the Humanities and Social Sciences Communications [Listed in Scopus (Q1)], Springer Publishers.

Rupjyoti Saha. Reviewer of Cogent Business & Management [[Listed in Scopus (Q2)], Taylor and Francis Publishers.

Rupjyoti Saha. Reviewer of Management Research Review [Listed in Scopus (Q1)], Emerald Publishers.

Rupjyoti Saha. Reviewer of Journal of Regulatory Economics [Listed in Scopus (Q2)], Springer Publishers.

Rupjyoti Saha. Reviewer of Discover Sustainability [Listed in Scopus (Q2)], Springer Publishers.

Rupjyoti Saha. Reviewer of Applied Economics Letters [[Listed in Scopus (Q2)], Taylor and Francis Publishers.

Rupjyoti Saha. Reviewer of Operations Research Forum [Listed in Scopus (Q2)], Springer Publishers.

X. Internship Supervision

Suranjana Barua supervised the following for their 3 months’ internships (15 May-14 August, 2024)

- Details: i) Ms. Jyoti Jaiswal, IIT (ISM) Dhanbad
(Status: Completed in 2024)
Title: *Interrupting and Self Silencing Behaviours in Academic Settings*
- ii) Mr. Ankit Mohapatra (KIIT, Bhubaneswar)
(Status: Completed in 2024)
Title: *Social Competence Acquisition in Odia-Speaking Children*

Rupjyoti Saha has supervised Ms. Mayusha Kashyap, a student of the Department of English, Bachelors of Arts, SGTB Khalsa College, University of Delhi. The internship started on 06/06/2025 and ended on 30/07/2025. The title of the project undertaken by her is “A Systematic Literature Review on the Socio-Economic Impact of MSMEs at the Global and National Level”.

XI. PhD Thesis Submission

Hari K Choudhury's student Lipika Kalita submitted her thesis entitled “*Assessing the Effects of Occupational Transition on the Socio-economic Status and Demographic Behaviour of the Tea and Ex-tea Garden Labour Community of Assam*” on 14/10/2024.

Kaveri Deb's student Karnikaa Bhattacharyya submitted her thesis entitled *Examining the Relevance of Portfolio Balance Model towards Determination and Forecasting of India's Exchange Rate by Incorporating the Effects of Microstructure Theory* on 23.06.2025.

Suranjana Barua's student Barshapriya Dutta submitted her thesis entitled *Prevalence of Toxicity towards Women in Language: A Case Study of Assamese Speakers of Guwahati* on 30.6.2025.

XII. Featured Author at International Conference

Suranjana Barua's book *Revelation of Self in Language: Narrative Identity as Emergent in Conversation* (Tulika Books, New Delhi, 2023) was featured at a special ‘Meet The Author’ Session at the International Conference jointly organized by University of Hyderabad, Maulana Azad National Urdu University (MANUU) and Woxsen University, 28-30 August, 2024.

XIII. Best Paper Award

Dr. Rupjyoti Saha's research paper titled “Does Environmental, Social, and Governance (ESG) Disclosure Matter for Carbon Intensity? Evidence from S&P 500 Firms” has been honored with the Best Research Paper Award in the Accounting category at the Institute of Chartered Accountants of India (ICAI) International Research Awards 2025.

External Relations & Placement

Collaboration through MoU

Memorandum of Understanding (MoU) signed by IIIT Guwahati with other institutions/ organizations during August 2024 - July 2025 are as follows:

- i) All India Council for Technical Education (AICTE) — *Corrigendum*
- ii) INFLIBNET Centre — *Amendment*
- iii) PHN Technology Pvt. Ltd.

As part of the MoU with Population Council Institute, a research collaboration titled 'Maternal Health in Assam: Unveiling Broader Challenges' is published in the research journal 'Demography India'.

Placement Status for 2024-25 Batch

IIIT Guwahati had a successful placement session in 2024-25 with an average package of 16.68 lakhs per annum (approximately). Some of the companies where our students got placed are: DeShaw, Microsoft, Google, Amazon, Alteryx, Tekion, Filpkart, Samsung, Triomics, Arista Networks, Cisco, Infoedge, Tesco, JPMC, GE Vernova, Samsung, QuickSell, Natwest, Forsys, Accenture, Versa Networks, Infosys, MAQ Software, Edustation, BeatRoute, CyFuture, CGI. The selection process for some companies is still going on.

Many final year students have also pursued full semester internships in reputed organizations like Nvidia, Amazon, Zscaler, Tesco, Samsung, Alteryx, Tekion, Arista Networks, Cisco, QuickSell, Infoedge, Veda, Versa Networks, MAQ Software, and many more with a maximum stipend of INR 125000 per month.

Placement Status B.Tech 2024-25 Batch:

Category	CSE	ECE	Overall
Total number of students registered for placement drive	151	55	206
Total job offered	129	34	163
Average salary	17.56 LPA	13.59 LPA	16.68 LPA
Median salary	12 LPA	7.84 LPA	9 LPA
Total students placed	109	31	140
Highest salary	58.3 LPA	71 LPA	71 LPA
Percentage placed	72.18%	56.36%	67.96%

Placement Status M.Tech 2024-25 Batch:

Category	CSE	ECE	Overall
Total number of students registered for placement drive	15	13	28
Total job offered	4	3	7
Average salary	9.15 LPA	7.4 LPA	8.4 LPA
Median salary	9 LPA	6 LPA	9 LPA
Total students placed	4	3	7
Highest salary	9.6 LPA	12 LPA	12 LPA
Percentage placed	26.67%	23.08%	25.00%

[LPA = lakhs per annum]

Pictorial Representation of Placement Data (2024-25)

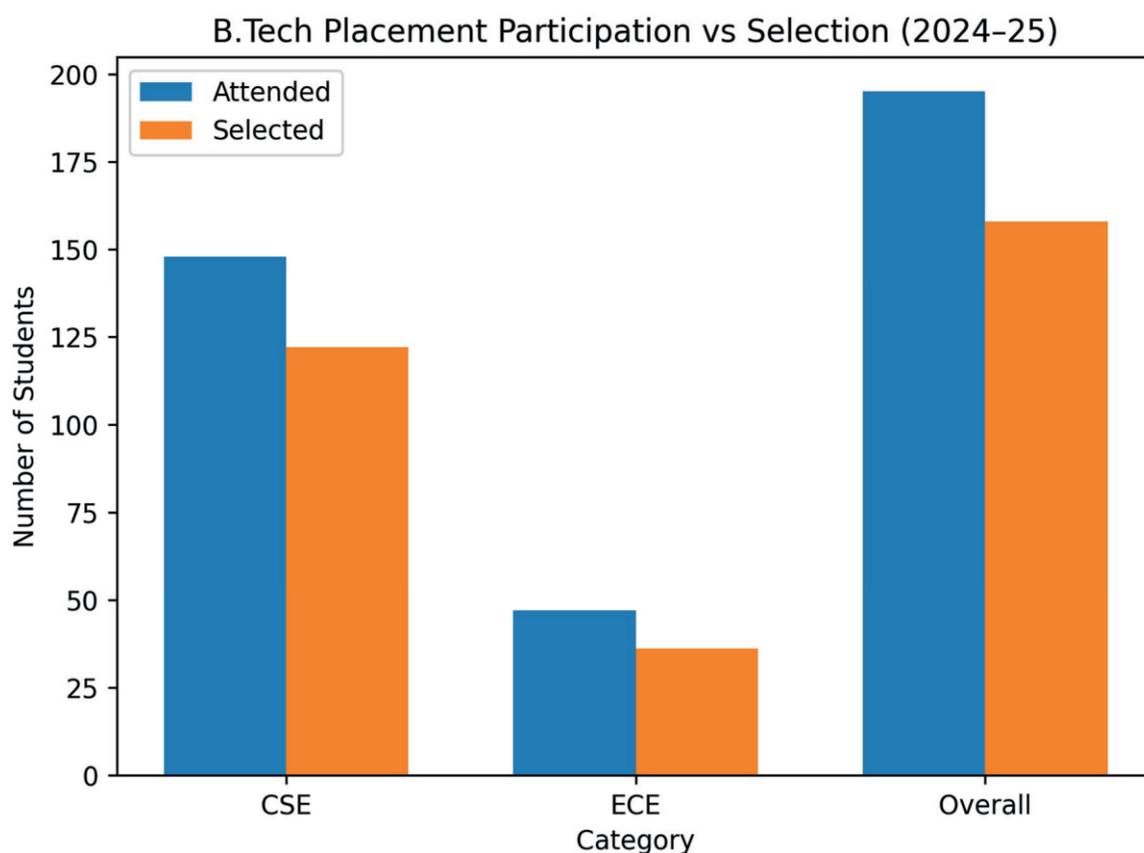


Figure1: Comparison of students attending placement drives and students selected, programme-wise for the academic year 2024-25.

Figure 2: Overall average salary comparison between B.Tech and M.Tech programmes

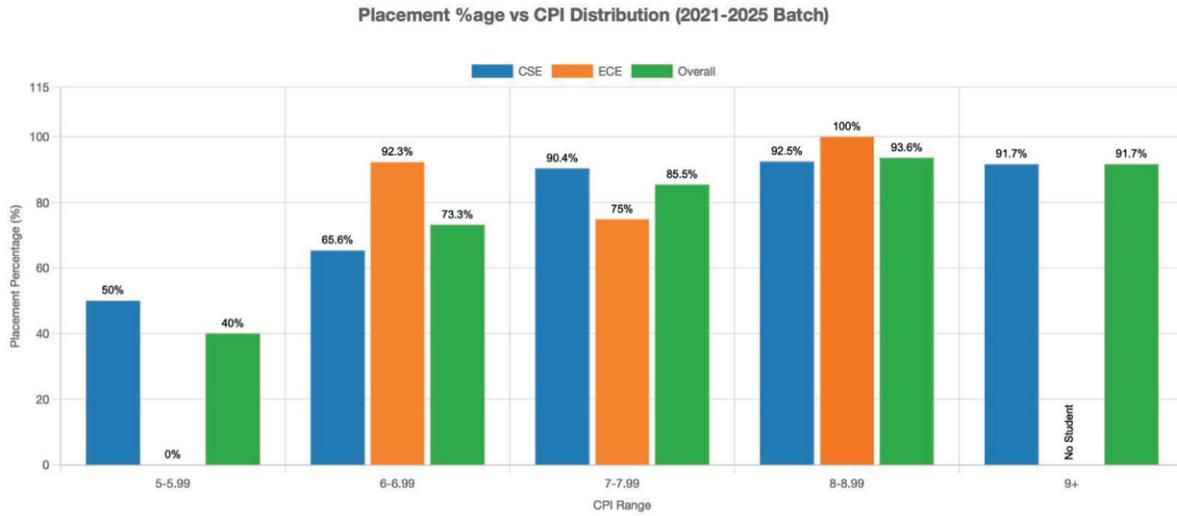


Figure 4: Placement percentage across CPI ranges for B.Tech students in CSE, ECE, and Overall cohorts (2021–2025 batch).

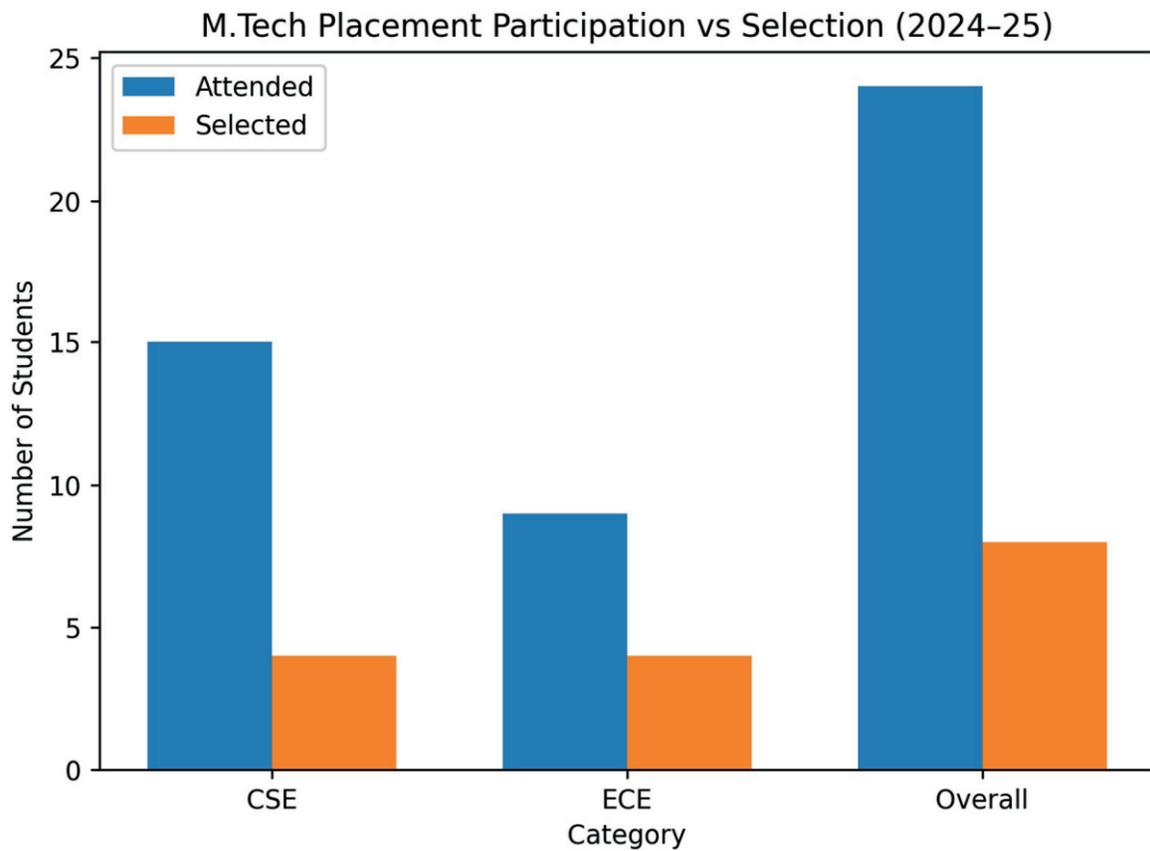


Figure 3: Comparison of students attending placement drives and students selected, programme-wise for the academic year 2024-25.

Alumni Affairs

IIIT Guwahati has a significant number of reputed Alumni professionally engaged in prestigious organizations across globally connected industry, academia, and research fields, with a current strength of 1317. There is a dedicated Committee to look after the Alumni Affairs. Academic, professional, and other institute related interactions between the existing pool of students and scholars, and the alumni are maintained by the Alumni Affairs through organization of Alumni Talks. The alumni often provide key ideas and insights to the students and motivate them in realizing their respective potential.

Officers and Other Functionaries of the Institute

<u>Name</u>	<u>Designation</u>
Prof. Sarat Kr. Patra	Director
Dr. Pallav Baruah	Registrar (In-Charge) also Superintending Engineer/Estate Officer
Prof. Ferdous Ahmed Barbhuiya	Dean Administration
Dr. Bidisha Dasgupta	Associate Dean, External Relations
Dr. Rakesh Matam	Associate Dean, Student Affairs
Dr. Moumita Roy	Associate Dean, R&D
Dr. Surajit Panja	Associate Dean, Academic Affairs - UG
Dr. Shovan Barma	Associate Dean, Academic Affairs - PG
Dr. Subhasish Dhal	Head of the Deptt. of CSE
Dr. Mourina Ghosh	Head of the Deptt. of ECE
Dr. Anuradha Jha	Head of the Deptt. of Sc. & Maths
Dr. Rajarshi Mitra	Head of the Deptt. of HSS
Dr. Hari Kanta Choudhury	Warden, Boys' Hostel
Dr. Rusha Patra	Warden, Girls' Hostel
Dr. Parashjyoti Borah	Associate Warden, Boys' Hostel
Dr. Debashree Devi	Associate Warden, Girls' Hostel
Dr. Bijit Kumar Das	Placement In-Charge
Dr. Sanjay Moulik	Associate Placement In-Charge
Dr. Komal Janghel	Library Coordinator
Mr. Mriganka Dutta Saikia	Deputy Registrar, Finance & Accounts

Staff of the Institute

<u>Name</u>	<u>Designation</u>
Ms. Sweety Tamuli	Senior Superintendent
Mr. Dinamoni Borah	Senior Superintendent
Mr. Bhaskar Jyoti Bora	Senior Superintendent
Mr. Churchill R Marak	Senior Superintendent
Mr. Nayanjyoti Baishya	Senior Superintendent
Mr. Gagan Chandra Talukdar	Library Information Officer
Ms. Richa Bismitter	Library Information Officer
Mr. Birabrata Seal	Senior Technical Superintendent
Mr. Prasenjit Deka	Senior Technical Superintendent
Mr. Kishore Kumar Das	Senior Technical Superintendent
Mr. Hirak Jyoti Nath	Senior Technical Superintendent
Mr. Ratul Goswami	Senior Accounts Officer
Mr. Arup Borah	Senior Technical Superintendent
Mr. Raushan Kumar	Senior Technical Superintendent (On-Lien)
Mr. Nabadeep Gogoi	Junior Assistant
Mr. Injamul Hussain	Junior Assistant
Mr. Amit Kumar Sharma	Junior Assistant
Mr. Madhurjya Das	Junior Assistant
Mr. Dibash Das	Junior Assistant

Mr. Samar Jyoti Nath	Junior Assistant
Ms. Priyanka Mandal	Junior Assistant
Ms. Supriya Dutta	Junior Assistant
Mr. Rupam Sharma	Junior Assistant
Mr. Utpal Boro	Junior Assistant

Students' Activities

With a view to hone students' talents in extra-curricular activities, IIIT Guwahati facilitates students with a number of clubs under Students' Gymkhana Council. The Clubs are, Programming Club, Technocrats Club and Mavericks- The Machine Learning Society (Under Technical Board); Literary Club, Movie Club, Music Club, Fine Arts Club, Quiz Club, Reading Club, Photography Club, Dance Club and Drama Club (Under Cultural Board); Indoor Sports Club and Outdoor Sports Club and Market and Design Club (Under Sports Board) and Eco and Outreach Club, Health Club and Girls' Empowerment Group (Under Welfare Board).

Various events conducted by 18 Clubs under different Boards are given below:

Technical Board

Programming Club	
Date	Events
06.09.2024	An Introduction to the Programming Club
21.10.2024	An Introduction to Competitive Programming
12.03.2025	Workshop on "Introduction to MATLAB"
05.03.2025	Workshop on "Introduction to Linux and Build Your Own Shell"
Technocrats Club	
21.08.2024	Introductory Session, Arduino and Space Day
23.08.2024	Indian Space Day Celebration
17.10.2024	Session on "Hands-on Workshop on Arduino-1"
20.10.2024	Quiz on "Fastrack Qualification Round"
07.02.2025	Motors and Servos Basics - Workshop
07.03.2025	Workshop on "Hand Tracking Servo Turret based on Open-CV and Arduino"

Mavericks – The Machine Learning Society	
13.04.2024	ML Model on Classification of Cats and Dogs using Logistic Regression
27.08.2024	Introduction to Machine Learning and Roadmap (ML Unlocked)
15.11.2024 – 16.11.2024	ML Boot Camp Covering Neural Network Basics and Digital Recognition Project

Cultural Board

Movie Club		
Date	Events	
22.10.2024	CineMania: A Quiz and Dumb Charades Showdown	It was organised by Movie Club in collaboration with Quiz Club. The event features two key components: a quiz competition based on films and an engaging round of movie dumb charades.
21.03.2025	The Gauntlet of Titans	
Fine Arts Club		
Date	Events	Details of Events
22.03.2025	Sip and Paint	It was a live painting session, followed by an exhibition to showcase the created artworks.
30.06.2025	Sadak Suraksha Abhiyaan	The event was an initiative to spread awareness about road safety through creative visual storytelling. It invited participants to submit original digital artworks themed around safe driving practices, traffic rules and public awareness

Quiz Club		
Date	Events	Details of Events
19.11.2024	Quiz on Constitution of India	It was a quiz event organised on the topic “Constitution of India”
Drama Club		
Date	Events	Details of Events
23.03.2025	Bollywood Dialogue Mood Competition	It was a fun and engaging event designed to encourage students to explore theatrical expressions through iconic Bollywood dialogues.

Sports Board

Indoor Sports & Outdoor Sports		
Date	Events	Details of Events
31.10.2024	Run for Unity 2024	This event was organized under the directive of the Ministry of Education to commemorate “Rashtriya Ekta Diwas” which is being held on account of Birth Anniversary of Sardar Vallabhbhai Patel.
10.08.2024-18.08.2024	Independence Ignite 2024	Sports Board of IIITG organised the sports tournament among the students of IIITG on the occasion of 78 th Independence Day.
01.10.2024-02.10.2024	UMANG 2024	It was an indoor and outdoor sports events. Sports like cricket, badminton, carom, chess and table-tennis were organised.
04.10.2024-06.10.2024	IIITG Premier League 2024 (Indoor Events)	It was organised by Sports Board of IIITG.

11.10.2024-13.10.2024	IITG Premier League 2024 (Outdoor Events)	It was organised by Sports Board of IITG.
20.10.2024	Cleanliness Crusade: Treasure Hunt	The Sports Board organised the event as part of the Swachhata Divas celebration. The treasure hunt involved participants searching for hidden objects across the campus, with a strong focus on maintaining cleanliness and hygiene during the process
20.10.2024	Sierra 2024	The event was organised for the girls of IIT Guwahati. The event was a remarkable celebration of athleticism, teamwork, and sportsmanship, providing an excellent platform for the students to exhibit their sports skills across a wide variety of games and competitions.
24.10.2024-27.10.2024	SPIRIT-2024	IITG under the Sports Board participated in the annual sports event of IIT Guwahati.
31.10.2024	Run for Unity 2024	This event was organized under the directive of the Ministry of Education to commemorate “Rashtriya Ekta Diwas” which is being held on account of Birth Anniversary of Sardar Vallabhbhai Patel.
18.01.2025-26.01.2025	IITG Sports Carnival 2025	It was a multi-day event held in commemoration of Republic Day 2025.
08.03.2025-09.03.2025	Cricket Championship, Court Championship and FemPower	It was a sports events of Cricket (For Male), Badminton (For Female) and Tug o War (For Female).
19.03.2025-23.03.2025	TORNEO D’e FUTBOL 2025	A student contingent from IITG under the Sports Board participated in the “TORNEO D’e FUTBOL 2025” tournament at Jalpaiguri Government Engineering College.

Welfare Board

Eco and Outreach Club

Date	Events	Details of Events
05.06.2024	World Environment Day	A series of events including Plant4Mother campaign, contests, plastic collection drive were organized by the Welfare Board to mark World Environment Day.
12.08.2024	Anti – Ragging Week	A series of events were organised to conduct Anti – Ragging Week. It was organised in compliance with the guidelines issued by the Ministry of Education, Govt. of India.
08.09.2024 - 11.09.2024	Swachhata Pakhwada	Eco & Outreach Club organised “Swachhata Pakhwada” Campaign by conducting various events like “Swachhata Rally”, “Mass Swachhata Pledge”, “Campaign on discarding the use of single use Plastic/Cleanliness Drive”, “Plantation Drive” etc. in compliance with the guidelines issued by the Ministry of Education, Govt. of India.
18.09.2024 – 01.10.2024	“Swachhata Hi Seva” Campaign	Eco & Outreach Club organised “Swachhata Hi Seva” Campaign by conducting various events like “Waste to Art Competition”, “Swachhata Pledge” etc. in compliance with the guidelines issued by the Department of Higher Education, Govt. of India.
07.04.2025	Lymphatic Filariasis Campaign and Poster Making Competition	In view of ministry’s instruction to HEI’s, students conducted a campaign for elimination of Lymphatic Filariasis in IITG campus on 7th February 2025
05.06.2025	World Environment Day 2025 –	Digital Poster Making Competition and a Plantation Drive to raise awareness among the students about the critical environment issues raising concerns about our health and sustainability. This year the theme of the World Environment Day is “Ending Plastic Pollution” and it focuses on the widespread impact of plastic waste on the environment and aims to encourage global efforts to reduce, reuse and recycle.

Health Club		
Date	Events	Details of Events
21.05.2024 – 21.06.2024	International Day of Yoga	Welfare Board of IITG conducted month long Yoga program titled “Yoga for Everyday Life” on the occasion of International Day of Yoga.
07.02.2025	Poster Making Competition	It was organized to raise awareness among students community regarding Lymphatic Filariasis (Hathipaon)
Girls’ Empowerment Group		
Date	Events	Details of Events
16.10.2024	Session on “Holistic Development”	GEG organised a session on the topic “Holistic Development” to promote the holistic growth of participants by nurturing their physical, emotional, intellectual and social well-being.
10.11.2024	Seminar on Self Defense	GEG organised a seminar on Self Defense programm.
28.01.2025	Session with YourDost	GEG organised a session with YourDost on Time Management and Handling Procrastination.
26.06.2025	International Day against Drug Abuse and Illicit Trafficking	To commemorate this day, the GEG Club organized a Poster Making competition among the students to raise awareness

Apart from the above mentioned events, the students also celebrated following cultural and religious events:

- Ganesh Chaturthi Pooja on 07.09.2024
- Garba Utsav on 13.10.2024
- Diwali on 31.10.2024
- Magh Bihu and Makar Sankranti on 14.01.2025

- Vasant Panchami (Saraswati Pooja) on 02.02.2025
- Holi on 14.03.2025
- Bohagi on 05.04.2025
- **Sri Sri Vishwakarma Puja on 17.09.2025**

STUDENTS' GYMKHANA COUNCIL ELECTION 2024

Students' Gymkhana Council Election 2025 of IIIT Guwahati was held on 04.04.2025. The election was held for the post of President, Vice President, General Secretary – Technical Board, General Secretary – Cultural Board, General Secretary – Sports Board and General Secretary – Welfare Board. The elected candidates are as follows:

- (1) President: – Aditya Bhatt
- (2) Vice President: – Yash Singhal
- (3) General Secretary – Technical Board: - Deepanshu Singh
- (4) General Secretary – Cultural Board: - Nitin Mishra
- (5) General Secretary – Sports Board: - Shubh Tiwari
- (6) General Secretary – Welfare Board: - Simanta Das

INSTITUTE FESTIVALS

YUVAAN 2025

Dates: 1st – 2nd March 2025

Participants: Approximately 500 students

Yuvaan 2025, the institute's annual cultural festival, was a vibrant celebration of creativity, competition, and community. A wide variety of events were organized to engage students from all batches.

- **Major Events & Competitions:**
Gully Cricket, Squid Game, Open Mic, One Voice One Instrument(Solo Song), Art Odyssey, Spotlight Solo (Drama), Band Bash(Group Song), Prompt Wars, Musical Olympics, Dance Workshop, Pop it Up(Quiz), Sway (Solo Dance), and Sync (Group Dance)
- **Star Performances:**

- *Blue Wings Band* on **1st March**
- *DJ Panther* on **2nd March**

The event brought the campus alive with music, dance, and enthusiastic participation.

Bohagi 2024

Date: 7th April 2024

Venue: IIITG Campus, Bongora

BOHAGI 2024 marked the fourth annual celebration of Rongali Bihu at IIITG. The event aimed to promote Assamese folk culture and foster cultural inclusivity among students and faculty.

- **Key Highlights:**

- *Jeng Bihu* and *Modern Assamese Solo Dance* competitions
- *Kamrupa Flair* – traditional fashion showcase
- *Pitha Palate* – traditional Bihu delicacies
- *Bihu Husori* performances
- A captivating live performance by renowned Assamese vocalist **Dikshu**

BOHAGI 2024 was co-presented by NEDFI, in association with G-plus, and supported by EthniQ, Shree Ganesh Enterprise, Paul's Kitchen, Jagya Construction, Vanguard Security Services, and Add Constructions.

Model United Nations (MUN) 2025

Dates: 29th – 30th March 2025

Participants: 42 student delegates

IIITG MUN 2025 featured two intellectually stimulating committees:

- **AIPPM** – All India Political Parties Meet
- **UNHRC** – United Nations Human Rights Council

The event fostered dialogue, diplomacy, and leadership skills among students, with participation from multiple institutions.

Other Cultural Events & Celebrations (2024–25)

The Cultural Board also conducted a wide range of events and festivals throughout the academic year, strengthening student engagement, cultural harmony, and community spirit on campus:

Major Festival Celebrations:

- Ganpati Pooja – 7th–8th September 2024: Celebrated with daily aarti, cultural songs, and community pooja.
- Garba Night – 13th October 2024: A night of traditional Gujarati dance and music, celebrated with enthusiasm by students in vibrant attire.
- FestiVibes (Diwali) – 31st October 2024: Campus illuminated with diyas, lights, and cultural programs, including, rangoli-making, and dj night.
- Magh Bihu & Makar Sankranti – 14th January 2025: Featured traditional Assamese food, bonfire gathering, and games.
- Saraswati Pooja – 2nd February 2025: Celebrated with devotion and a community prasad distribution.
- Holi Celebration – 14th March 2025: A colorful celebration with colors, music, and festive food.
- Independence Day & Republic Day – Flag hoisting ceremonies with patriotic performances by students, including singing, dance, and speeches.

Flagship Club Activities:

- **The Gauntlet of Titans** – A collaboration between the Movie and Music Clubs featuring quiz rounds and musical trivia
- **Campus Canvas** – Photography competition and exhibition showcasing visual storytelling by students
- **Sip & Paint** – A relaxed canvas painting competition promoting creativity and expression
- **CineMania** – Movie-based quiz and dumb charades showdown organized by the Movie Club
- **Dance & Music Workshops** – Conducted for students to learn, practice, and perform a variety of styles including classical, contemporary, and instrumental music.

Entropy 2024

Entropy 2024, the annual technical fest of IIIT Guwahati, took place on October 25-26, 2024, delivering a vibrant celebration of innovation, technology, and creativity. Organized with precision, the fest brought together students, tech enthusiasts, and industry experts for two days of engaging events, cultural showcases, and intellectual exchange. With a diverse lineup of technical competitions, cultural activities, and electrifying performances, Entropy 2024 fostered an environment of learning, collaboration, and inspiration. The event saw robust participation, with approximately 800 students, engaging in a range of competitions that tested their technical prowess, problem-solving skills, and creativity. Supported by prominent sponsors and partners, including Canara Bank, Poddar Car World, Poddar Suzuki, GeeksforGeeks, Robo Pixel, CogNeo, and food partners like KFC, Pizza Hut, Juice Villa, and Sri Maa Hyderabadi, Entropy 2024 was a resounding success, leaving a lasting impact on all attendees.

Event Highlights

- **Inauguration (October 25, 9:00 AM):** The fest commenced with a grand inauguration ceremony, setting an inspiring tone for Entropy 2024. The event brought together students, faculty, and guests to celebrate the spirit of innovation and technological excellence, marking the start of an exciting two-day journey filled with creativity and collaboration.
- **Tech Quiz (October 25, 10:00 AM & 2:00 PM):** The Tech Quiz was a thrilling contest that challenged participants' knowledge across diverse technological domains. With approximately 60 teams of 4 members (240 participants), the event fostered teamwork, quick thinking, and innovative problem-solving. Conducted in two rounds, the quiz captivated tech enthusiasts with its engaging format, offering exciting prizes and a platform to showcase intellectual depth.
- **Cyber Hunt (October 25, 11:00 AM):** Cyber Hunt was a dynamic technical treasure hunt that saw 70 teams of 3-4 members (approximately 210 participants) navigate coded web trails and solve intricate puzzles. Teams, comprising Hackers and Runners, collaborated to decode clues and tackle challenges, highlighting their analytical skills and teamwork in an exhilarating campus-wide adventure.
- **Debuggers (October 25, 2:00 PM & October 26, 12:00 PM):** Debuggers, a coding competition, attracted around 200 participants across junior (first-year students) and senior divisions. Teams of 2-3 members tackled code snippets riddled with logical, syntactical, and runtime errors. The event, split into a quiz-based first round and a live on-stage showdown, showcased participants' debugging expertise and competitive spirit, with the top 8 teams vying for the title of Debugging Champion.

- **E-Sports (October 25, 3:00 PM & October 26, 8:00 AM):** The BGMI Showdown 2.0, part of the E-Sports segment, was a crowd favorite, with 40 teams of 4 members (160 participants) competing in intense battle royale matches. Live-streamed for maximum engagement, the event fostered a vibrant mobile gaming and esports culture, highlighting strategic gameplay and teamwork.
- **Fastrack (October 26, 10:00 AM & 2:00 PM):** Fastrack captivated 50 teams of 4 members (200 participants) who designed, built, and programmed remote-controlled cars to navigate challenging tracks. The event, featuring a quiz round, obstacle race, and final lap race, tested participants' robotics knowledge, engineering skills, and precision, culminating in a high-energy showdown where speed and control were paramount.
- **CodeThrill 7.0 (October 26, 4:00 PM):** Organized in collaboration with GeeksforGeeks, CodeThrill 7.0 was a nationwide coding competition that saw nearly 900 registrations. The event challenged participants to showcase their coding, algorithmic thinking, and problem-solving skills, with attractive prizes like Amazon Alexa, Noise Watches, and Boat Earbuds, along with GeeksforGeeks goodies, motivating coders to excel.
- **Cultural Activities (October 25 & 26, 6:00 PM):** Curated by IIIT Guwahati's Cultural Board, the cultural activities on both days provided a vibrant platform for students to showcase their artistic talents and cultural heritage. These events added a creative dimension to the fest, fostering a sense of community and celebration among participants.
- **DJ Night (October 25 & 26, 8:00 PM):** The evenings of Entropy 2024 were electrified by back-to-back DJ Nights by DJ Raven and DJ Brahmin, featuring high-energy performances that created a festive atmosphere. These events brought participants together, offering a perfect blend of music and camaraderie, enhancing the overall vibrancy of the fest.

Participation and Impact

Entropy 2024 witnessed exceptional engagement, with approximately 800 participants, reflecting the fest's growing reach. The diverse events catered to a wide range of interests, from coding and robotics to gaming and cultural expression, fostering an environment of intellectual curiosity, friendly competition, and personal growth. The meticulously planned competitions, supported by sponsors like Canara Bank, Poddar Car World, Poddar Suzuki, GeeksforGeeks, Robo Pixel, and CogNeo, ensured a seamless and enriching experience. Food partners KFC, Pizza Hut, Juice Villa, and Sri Maa Hyderabadhi enhanced the fest with delightful culinary offerings, adding to the overall enjoyment.

Conclusion

Entropy 2024 emerged as a triumphant celebration of technology, innovation, and creativity, seamlessly blending competitive events with cultural festivities. The unwavering support from sponsors, partners, and the IIIT Guwahati community, combined with meticulous organization, created a platform for students to showcase their skills, connect with peers, and gain valuable insights. From coding marathons to high-octane robotics races and vibrant cultural performances, the fest left an indelible mark, setting a high benchmark for future editions. Entropy 2024 not only celebrated technical excellence but also fostered collaboration, inspiration, and a shared passion for innovation, leaving participants eager for the next chapter.

STUDENTS' ACHIEVEMENTS

IIIT Guwahati students have at National and International level earned a name both in academic as well as extra-curricular activities outside the Institute. Some such achievements are listed below:

Academic achievements

1. Shantanu Tiwari (Roll No. 2101190) received the Best Student Paper Award at the Joint 11th IEEE-CSDE and IEEE i-COSTE International Conference held at Murdoch University, Perth for the paper titled "A Novel Approach to Verification of Neural Cyber-Physical System.

Extra-curricular Achievements

1. Team Binary Band [Raushan Maharana (Roll No. 2101164), Sourabh Kumar Singh (Roll No. 2101202), Arghya Roy (Roll No. 2101041), Kuldeep Singh Solanki (Roll No. 2101106) and Dr. Babita Jajodia (Assistant Professor) participated in the Hackathon organized by ChipIN Centre (C-DAC Bangalore), under C2S Programme, became National Finalist (Top 20).
2. Baharul Islam (Roll No. 2201046) secured 3rd position in the Machine Vision Innovation Tournament at IEEE ICIP 2024, Abu Dhabi, UAE.

Details of Scholarship for the Year 2024-25:

Scholarship Schemes	Number of Students benefitted
Central Sector Scholarship for Top Class Education for SC Students	36

Central Sector Scholarship Scheme of National Fellowship and Scholarship for Higher Education for ST Students	33
PM YASASVI Central Sector Scheme of Top Class Education in College for OBC, EBC and DNT students	58
Central Sector Scheme of Scholarships for College and University Students	2
Prime Minister's Scholarship Scheme for Central Armed Police Forces and Assam Rifles	1
Post Matric Scholarship for Students with Disabilities	1
National Scholarship for Post Graduate Studies	1
Mukhyamantri Medhavi Vidyarthi Yojna (MMVY)	12
Telangana State Scholarship (Post Matric)	1

Amount Range (Per Annum)	Number of Students
Up to ₹1 Lakh	3
₹1 Lakh - ₹2 Lakh	1
₹2 Lakh & Above	105

Budget and Expenditure Summary

The Budget and expenditure summary for the year are as follows:

Item	Recurring/Revenue (₹)	Non-Recurring/Capital (₹)
Balance B/F from 2023-24	5,06,08,480	Nil
Grant in Aid 2024-25	Nil	Nil
Internal Revenue Generated 2024-25	29,78,32,082	Nil
Expenditure 2024-25	26,16,14,703	4,75,51,395
Balance C/F to 2025-26	8,68,25,859	Nil

Sources of Funds (including balance brought forward)

Item	Recurring/Revenue (₹)	Non-recurring/Capital (₹)
Govt. of India	Nil	Nil
Govt. of Assam	Nil	Nil
Industry partners	Nil	Nil
Income from Interest	49,75,796	Nil
Income from fees and Others	29,28,56,286	Nil

Picture Gallery

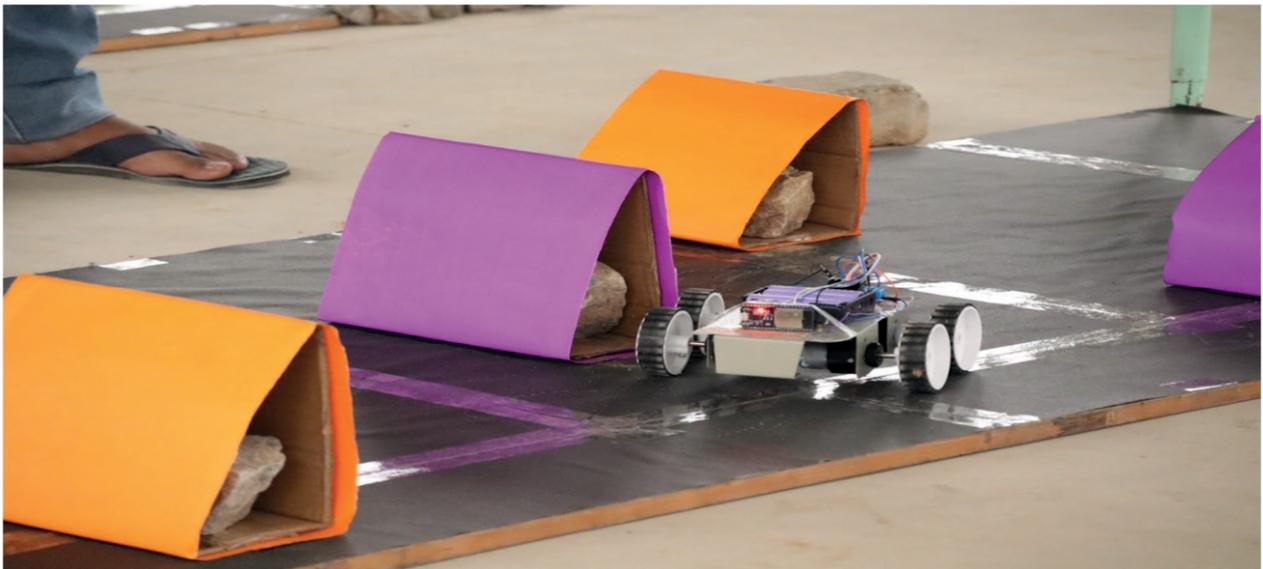
Bohagi 2024







Entropy 2024:



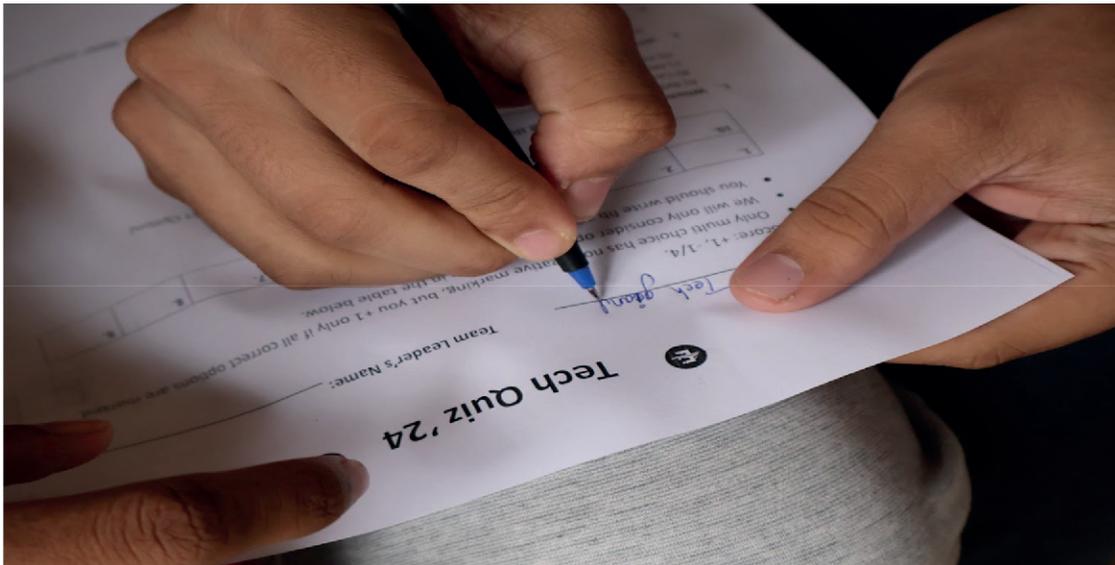
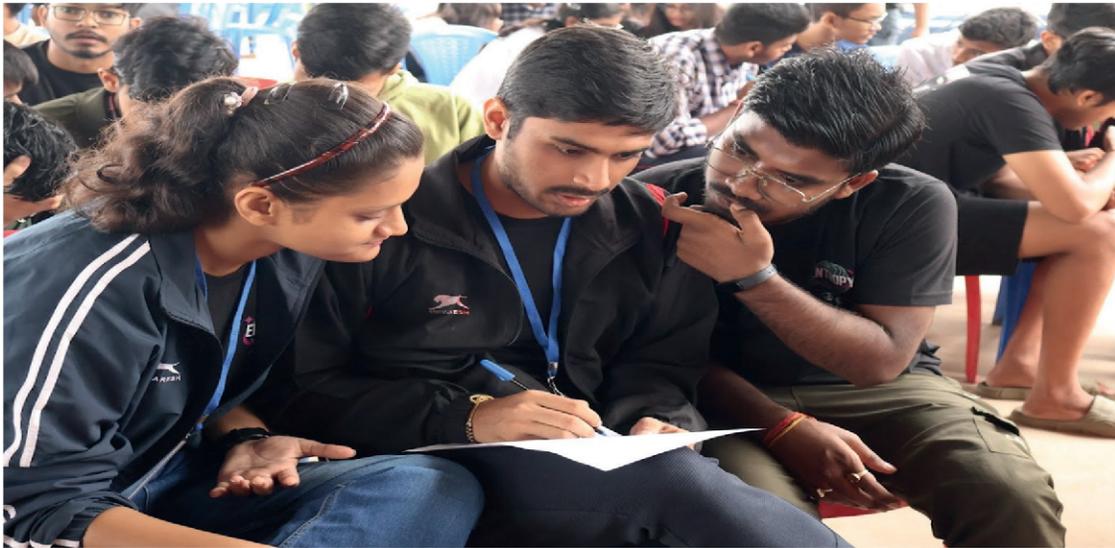
Key Highlights - Fastrack



Key Highlights - Inauguration



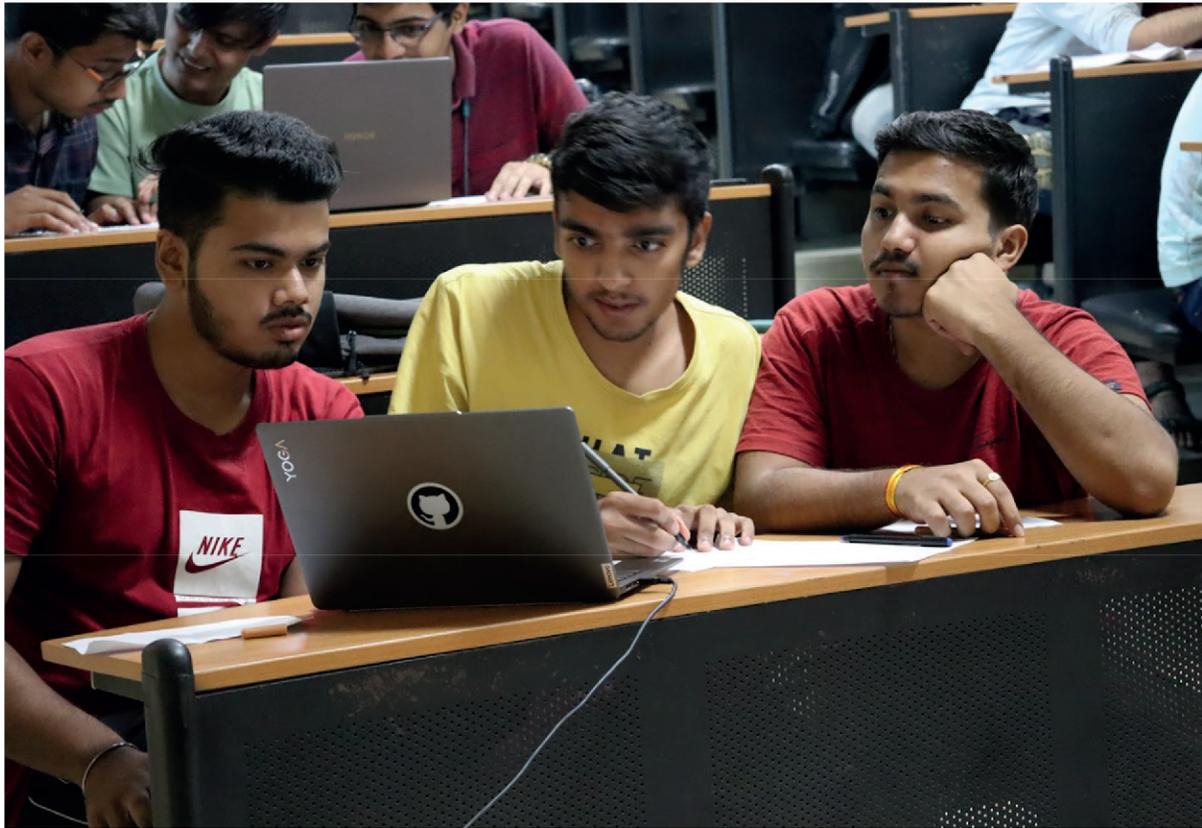
Key Highlights – TechQuiz



Key Highlights – CyberHunt



Key Highlights – Debuggers



Key Highlights-E-Sports





Key Highlights-Cultural Nights & DJ







YUVAAN 2025:















