

Resume

DR. TASHER ALI SHEIKH, (B. Tech, M. Tech, Ph.D.) MIEEE, AMIETE, AMIEI

Faculty of Computer Technology (FoCT)

B Block, Room B415, Dept. of Computer Science and Engineering

Assam down town University, Panikhaiti, Guwahati- 781026

E-mail: tasher.ece@gmail.com

Mobile No.: +91-9508096056



Objective of Career

To become successful professional in academically challenging environment, in the field of Electronics and Communication Engineering, which enables me to cultivate my ideas in productive work and I want to be solid part in every step towards growth and prosperity of your organization.

Research Interest and Vision

Research Interest: Quantum Communication, & 5G/6G Communication.

Research Vision: Emerging Health Care System Design with IoT aided 6G and Beam-forming Massive MIMO for medical Applications.

Special Area

- Quantum Communication, Massive MIMO (Beyond 5G/), Wireless & Mobile Computing/Communication, IoT.

Academic Project Title

- **Research Associate Project Title:** “Development of Quantum Algorithms for Next Generation Wireless Communication System,” funded by the DoT, GoI, under the PI of Dr. Samrat Mukhopadhyay, Assistant Professor, Department of Electronics Engineering, IIT (ISM) Dhanbad.
- **Ph.D. thesis title:** User Scheduling and Antenna Selection Techniques for Massive MIMO based High Data Rate Communication Systems.
- **M.Tech. Project title:** Compact Multiband RT/Duriod 5880 Based Microstrip BPF for GSM, WiMAX, UWB Application using SIRs and DGS.
- **B. Tech. Project title:** Discrete Time-System Realization (Analysis of FIR and IIR Filter and others Filter designing Techniques).

Mailing Address

Office Address

FoCT, Faculty Cabin No. B415

B1 Floor, FoCT

AdtU, Panikhaiti, Guwahati 781026

Contact Number : +91-9508096056

Email Id: tasherali.sheikh@adtU.in

Residential Address

S/O: Nur Hossain Sheikh

Village & P.O.: Shimultapu No.1

P.S: Gossaigaon, Dist.: Kokrajhar

BTR, Assam, India-783361.

Email Id: tasher.ece@gmail.com

Academic Details

Examination Passed	University/Broad/Institute/Council of Examination	Category of Institute	Department /Branch /Specialist	Year of Passing	Percentage Marks/CGPA*	Division/Class /Grade/Rank
Ph.D. (Visvesvaraya PhD Fellow)	NERIST, Arunachal Pradesh. (Deemed to be University, MoE)	CFTI	Electronics and Communication Engineering (ECE)	8 th January 2021	8.25 (Course Work)	I
M.Tech	NIT, Arunachal Pradesh. (An Institute of National Importance)	CFTI	CSE with Specialization Mobile Communication and Computing.	June, 2015	8.64	I
B. Tech	Central Institute of Technology, (CIT) Kokrajhar-Assam. (Deemed to be University,	CFTI	Electronics and Communication Engineering (ECE)	July, 2013	8.08	I (10 th rank in ECE branch)

	MoE)					
HS	AHSEC, Assam	GoA	Science	May, 2009	57.60	II
HSLC	SEBA, Assam	GoA		May, 2007	65.17	I

Teaching Experience: 5.9 Years

Name of Organization & Department	Designation	Nature of duty	From Date	To Date	Year of Service (YY/MM/DD)
Assam down town University, Guwahati, Assam, Dept. of Computer Science and Engineering	Assistant Professor-I	Teaching, Research and Administrative	01-08-2025	Till date	00/11/00
Indian Institute of Technology (IIT) Dhanbad, Dept. of Electronics Engineering	Research Associate-I	Research and Teaching	11-06-2025	31-07-2025	00/02/00
National Institute of Electronics and Information Technology, Bhubaneswar, Odisha, Govt. of India	Project Coordinator, SDUY Project, PMU	Teaching, Research and Administrative	10-02-2025	10-06-2025	00/04/00
The Assam Kaziranga University, Jorhat, Assam, Dept. of Electrical Engineering	Assistant Professor	Teaching and Research (UG to PhD Courses)	04-11-2024	31-01-2025	00/03/00
Director of Technical Education, Govt. of Assam , Dept. of Electronics and Telecommunication Engineering	Lecturer	Teaching and Research	10-01-2022	09-10-2024	02/09/00
Madanapalle Institute of Technology & Science (MITS), (UGC-Autonomous) Angallu, Madanapalle, Chittoor, Andhra Pradesh, India-517325, Dept. of Electronics and Communication Engineering	Assistant Professor	Teaching and Research (UG Courses)	01-10-2020	06-01-2022	01/03/06
M.A.M. College of Engineering & Technology, Tiruchirappalli, Tamilnadu-621 105, Dept. of Electronics and Communication Engineering	Assistant Professor	Teaching and Research (UG and PG Courses)	13-08-2020	30-09-2020	00/01/17
NERIST, Arunachal Pradesh, Dept. of Electronics and Communication Engineering	Teaching Assistant	Teaching and Research (Theory and practical classes from diploma to M. Tech Courses)	05-01-2016	26-06-2019	03/05/21
NIT, Arunachal Pradesh, Dept. of Computer Science and Engineering	Teaching Assistant	Teaching and Research (Practical Classes for B. Tech Courses)	14-08-2014	27-07-2015	01/00/00

Theory course Taught

UG Theory Courses	UG Laboratory Courses	Diploma Course
-------------------	-----------------------	----------------

1. Computer Communication Network 2. Computer Organization and Architecture 3. Analog and Digital communication. 4. Networks and Transmission Line 5. Satellite Communication. 6. Wireless Communication. 7. Basic Electronics 8. Basic Electrical and Electronics Engineering 9. Electronics Circuit 10. Power Electronics 11. Microwave Engineering.	1. Internet of Thing Lab. 2. Embedded System Design Lab. 3. DSP Lab. 4. Computer Communication Network Lab.	1. Microcontroller & Embedded System 2. Consumer Electronics 3. Control System 4. Communication Engineering-I 5. Communication Engineering-II 6. Analog Electronics-I 7. Analog Electronics-II 8. Modern Communication System
--	--	--

Publications Summary

Unpaid Journal					Conference			Book Chapter
SCI/SCIE				SCOPUS	Total	IEEE/Springer/Elsevier	other	Total
Q1	Q2	Q3	Q4	11	25	05	01	06
02	09	03	00					
								02

Publications Details

Book Publication

- Dr. D. Neelima Patnaik, **Dr. Tasher Ali Sheikh**, Prof. Dhananjay Jairam Rasal and Dr. N. Padmamalini, “[The Future of Physics: Quantum Computing, AI, and Next-Generation Technologies](#)”, **Infinite Research Publisher**, (International) ISBN No. 978-93-48897-60-2, 2025.

Patent Grant/Publication

- Dr. S. Farooq, Dr. M. Hemalatha, Dr. Ashish Bodhaye, Mr. Dhupam Arun Kumar, Mr. K. Chandra Sekhar, **Dr. Tasher Ali Sheikh** and Kaleel Mohammed Ibrahim, “[Quantum Computing Architecture with Superconducting Qubit Arrays](#)”, Application No. 202541099440, The Patent Office Journal No. 48/2025 Dated 28/11/2025 114872.
- Mr. Chikkala S K V R Naidu., Dr. V. B. Sreedhar, Dr. Pravin Prataprao Pawar, Dr. M. Reddi Babu, **Dr. Tasher Ali Sheikh**, Dr. S Nagakishore Bhavanam and Mr. Kaleel Mohammed Ibrahim, “[Quantum Information Processing Platform Using Superconducting Technology](#)”, Application No. 202541106227, The Patent Office Journal No. 48/2025 Dated 28/11/2025 116102.

IEEE/SCI/SCI-E/SCOPUS Index International/National Journals

- Mancharla Ravi, **Tasher Ali Sheikh**, and Yaka Bulu, “[Optimal Resource Allocation and Data Communication in 5G and Beyond with a Cell free IoTs Systems](#)”, **IEEE COMSOC MMTC Communications - Frontiers**, Vol. 17, No. 6, pp. 7-11, 2022.
- Hanif Zafor, **Tasher Ali Sheikh**, Nabajyoti Mazumdar, Amitava Nag, “[An Efficient Data-Collection Routing Algorithm to Improve Energy Efficiency and Network Lifetime in Wireless Sensor Networks](#)”, **International Journal of Ad Hoc and Ubiquitous Computing**, (SCI-E, SCOPUS), Vol.52, no.02, pp.69-78, 2026. (IF: 0.7, Q3).
- Hanif Zafor, **Tasher Ali Sheikh**, Nabajyoti Mazumdar, Amitava Nag, “[An effective Routing Algorithm to Minimize the UAV Routing Time and Extended the Network Lifetime in Clustered IoT Network](#)” **Radioengineering Journal**, (SCI-E, SCOPUS), Vol.34, No.2, pp.342-352, 2025. (IF: 0.8, Q3).
- Leiqing Zheng and **Tasher Ali Sheikh**, “[A Novel User Grouping Technique for Improving the System Capacity of Massive MIMO](#)”, **Boreal Environment Research**, Vol.29, no.12, pp.2-8, 2024. (IF: 1.45, Q2).
- Leiqing Zheng and **Tasher Ali Sheikh**, “[Massive MIMO a Candidate Technology for Future Generation Wireless Communication System](#)”, **Boreal Environment Research**, vol.29, no.10, pp.2-22, 2024. (IF: 1.45, Q2).
- P Yin, **Tasher Ali Sheikh**, “[Using Clustering and APS Method Performance Improvement of Cell Free Massive MIMO System](#)”, **Boreal Environment Research**, Vol.29, no.7, pp.31-43, 2024. (IF: 1.45, Q2).
- Y Liu, **Tasher Ali Sheikh**, M Ravi, “[6G and Beyond: A Comprehensive Study and Analysis](#)”, **Boreal Environment Research**, Vol.29, No.7, pp.2-30, 2024. (IF: 1.45, Q2).
- M. Ravi, **Tasher Ali Sheikh**, and Yaka Bulu, “[Throughput and error probability improvement in Downlink Communication based on MIMO-NOMA using Reconfigurable intelligent Surface \(RIS\)](#)”, **International Journal of Communication Systems**, (SCI-E, SCOPUS, Willey), vol.36, no.9, pp. e5470, 2023. (IF: 1.882, Q2).

9. Janmoni Borah, **Tasher Ali Sheikh**, and Joyatri Bora, “[Dynamic Cell Sleeping Mechanism: An Energy Efficient Approach for Mobile 5G HetCN](#)”, *International Journal of Communication Systems*, (SCI-E, SCOPUS, Willey), vol.36, no.5, pp-e5422, 2022. (IF: 1.882, Q2).
10. **Tasher Ali Sheikh**, Joyatri Bora and Md. Anwar Hussain, “[Sum-Rate Improvement in Massive MIMO System with User Grouping and Selection, and Antenna Scheduling Scheme](#),” *Wireless Personal Communications*, (SCI-E, SCOPUS, Springer), vol.120, no.2, pp- 1043-1056, 2021. (IF: 2.2, Q2).
11. **Tasher Ali Sheikh**, Joyatri Bora and Md. Anwar Hussain, “[Performance of Data-Rate Analysis of Massive MIMO System Using User Grouping](#)”, *Wireless Personal Communications*, (SCI-E, SCOPUS, Springer), vol.116, no.1, pp- 455–474, 2021. (IF: 2.2, Q2).
12. **Tasher Ali Sheikh**, Joyatri Bora and Md. Anwar Hussain, “[Massive MIMO System Spectral Efficiency Analysis with Precoding and Perfect CSI](#)”, *Digital Communications and Networks*, (SCI-E, SCOPUS, Elsevier), vol.7, no.3, pp. 342-351, 2021. (IF:7.5, Q1). [Most downloaded Article]
13. **Tasher Ali Sheikh**, Joyatri Bora and Md. Anwar Hussain, “[Capacity Maximizing in Massive MIMO with Linear Precoding for SSF and LSF Channel with Perfect CSI](#)”, *Digital Communications and Networks*, (SCI-E, SCOPUS, Elsevier), vol.7, no.1, pp.92-99, 2021. (IF:7.5, Q1). (Most Downloaded Article)
14. **Tasher Ali Sheikh**, Joyatri Bora and Md. Anwar Hussain, “[A Novel User and Antenna Selection Techniques in Massive MIMO 5G Wireless Communication System](#)”, *Radioengineering Journal*, (SCI-E, SCOPUS), vol.29, no.3, pp.548-554, 2020. (IF: 0.8, Q3).
15. **Tasher Ali Sheikh**, Joyatri Bora and Anwar Hussain, “[Performance Analysis of Massive Multi-input and Multi-output with Imperfect Channel State Information](#)”, *Traitement du Signal*, (SCI-E, SCOPUS), Vol. 36, No. 4, pp. 361-368, August, 2019. (IF: 1.00, Q3).
16. Hanif Zafor, **Tasher Ali Sheikh**, Nabajyoti Mazumdar and Amitava Nag, “[Data collection and recharging of Sensor node by Mobile Sink in Wireless Sensor Network](#)”, *International Journal of Sensors, Wireless Communications and Control*, (SCOPUS), Vol. 15, No.4, pp. 316-328, 2025 (IF: 0.198, Q4).
17. **Tasher Ali Sheikh**, Y. Rasagnya, V Rajesh, D Raju and S Rajasekaran, “[Power Minimization in Cell Free Massive MIMO with AP Selection Algorithm](#)”, *International Journal of Sensors, Wireless Communications and Control*, (SCOPUS), Vol.13, no.1, pp. 2-8, 2023 (IF: 0.198, Q4).
18. Mancharla Ravi, **Tasher Ali Sheikh**, and Yaka Bulu, “[Improve Energy Efficiency and Minimize BER with MIMO-NOMA and Max-Min Power Control algorithm](#)”, *International Journal of Systems, Control and Communications*, (SCOPUS) Vol.14, No.3, pp.254-273, 2023 (IF:0.164, Q4).
19. **Tasher Ali Sheikh**, S. Deekshitha, N. Shalini, P. Indira, and S. Rajasekaran, Janmoni Borah, “[Capacity Maximization in Cell Free Massive MIMO Network with Access Point Selection Method](#)”, *International Journal of Sensors, Wireless Communications and Control*, (SCOPUS), Vol. 12, No. 9, pp. 661-668, 2022 (IF: 0.198, Q4).
20. Mancharla Ravi, **Tasher Ali Sheikh**, and Yaka Bulu, “[Energy Efficiency and Resource Allocation Optimization with MIMO-NOMA and Backhaul Beam-forming in User-centric Ultra-dense Networks](#)”, *International Journal of Sensors, Wireless Communications and Control*, (SCOPUS), Vol. 12, No. 7, pp. 510-520, 2022 (IF: 0.198, Q4).
21. **Tasher Ali Sheikh**, Joyatri Bora and Md. Anwar Hussain, “[Combined User and Antenna Selection in Massive MIMO Using Precoding Technique](#)”, *International Journal of Sensors, Wireless Communications and Control*, (SCOPUS), vol. 9, no. 2, pp.214-223, 2019. (IF: 0.198, Q4). [Most Cited Article]
22. **Tasher Ali Sheikh**, Joyatri Bora and Md. Anwar Hussain, “[Sum-rate Performance of Massive MIMO Systems in Highly Scattering Channel with Semi-orthogonal and Random User selections](#)”, *Radioelectronics and Communications Systems*, (SCOPUS, UGC Listed, Springer), Vol. 61, No. 12, pp. 547-555, 2018. (IF: 0.204, Q4)
23. **Tasher Ali Sheikh**, Janmoni Borah, and Sahadev Roy, “[Design a Compact Bandpass Filter for WiMAX and UWB Application using Asymmetric SIRs and DGS](#)”, *Radioelectronics and Communications Systems*, (SCOPUS, Springer), vol.59, no.6, pp.269-273, 2016. (IF: 0.204, Q4)
24. Janmoni Borah, Smriti Baruah, **Tasher Ali Sheikh**, and Sahadev Roy, “[Miniaturization and Optimization of FR4 based CPW-fed Antenna for Multi-band Applications](#)”, *Radioelectronics and Communications Systems*, (SCOPUS, Springer), vol. 64, no. 12, pp. 660-668, Dec, 2021. (IF: 0.204, Q4)
25. Janmoni Borah, **Tasher Ali Sheikh** and Sahadev Roy, “[Miniaturization of a CPW-fed Dual-Band Antenna for GSM 1800/1900 and WLAN 5 GHz Applications](#)”, *Transactions on Electrical and Electronic Materials (TEEM)*, (SCOPUS, Springer), vol. 18, no. 2, pp.119-123, February, 2017. (IF: 1.9, Q3).
26. Janmoni Borah, **Tasher Ali Sheikh** and Sahadev Roy, “[Compact CPW-fed tri-band antenna with a defected ground structure for GSM, WLAN and WiMAX applications](#)”, *Radioelectronics and Communications Systems*, (SCOPUS, Springer), vol.59, no.7, pp. 319-324, 2016. (IF: 0.204, Q4)

Referred International Journal

1. Janmoni Borah, **Tasher Ali Sheikh** and Sahadev Roy, “[Effects of Modified Ground Structure on a CPW-fed patch Antenna](#)”, *Int. Journal of Future Generation Communication and Networking*, (UGC Listed), vol.8, no.3, pp. 205-212, Apr.2015. (IF: 0.40)
2. **Tasher Ali Sheikh**, Janmoni Borah and Sahadev Roy, “[Miniaturized Tri-Band BPF using Asymmetric SIRs and DGS](#)”, *International Journal of Signal Processing, Image Processing and Pattern Recognition (IJSIP)* (UGC Listed), vol.8, no.2, pp.337-346, Jan.2015. (IF: 0.10)

3. **Tasher Ali Sheikh**, Deboraj Muchahary and Khanjan Changmai Baruah, “[A Survey of Reduction the Interference on Cellular Communication System](#)”, IJCA, vol: 95, no.10, pp.40-43, June.2014.
4. **T. A. Sheikh**, R. Narzary, H. Brahma, U. Kalita, P. Deka, A. E. Talukdar and A. Mukharjee, “[Designing an Appropriate Order of Fir Filter Using Windowing Method](#)” International Journal of Soft Computing and Engineering (IJSCE), vol.4, no.1, pp.47-50, March. 2014.
5. **Tasher Ali Sheikh**, Deboraj Muchahary and Khanjan Changmai Baruah, “[Some Power Management Technology and Algorithm in Mobile Ad Hoc Network](#)”, IJAECs (CSIR-NISCAIR Approved), vol.3, no.5,2014.
6. Janmoni Borah, **Tasher Ali Sheikh** and Sahadev Roy, “[Design and Development of a Patch Antenna for Dual Band Applications](#)”, IJCST, vol.2, no.2, pp.307-310, Jan-Jun, 2014.
7. Janmoni Borah, **Tasher Ali Sheikh** and Sahadev Roy, “[A Study of Small CPW-fed Dual-band Antenna using Different Dielectrics](#)”, IJAECs (CSIR-NISCAIR Approved), vol.4, no.1, 2015.
8. **Tasher Ali Sheikh**, Janmoni Borah and Sahadev Roy, “[Novel approach of Microstrip Tri-band Bandpass Filter for GSM, WiMAX and UWB Application](#)”, International Journal of Microwave Engineering, vol.1, no.1, pp.47-54, Jul. 2015.
9. **T. A. Sheikh**, S. Dutta, S. Baruah, P. Sharma and S. Roy, “[Obstacle Avoidance Robot Using LabView](#)”, IAES International Journal of Robotics and Automation (IJRA), vol.4, no.3, pp.164-167, Sep.2015.
10. **Tasher Ali Sheikh** and Janmoni Borah “[A Compact UWB Microstrip BPF for Wireless Communication Using DGS,](#)” International Journal of Advanced Engineering and Management, vol. 2, no. 7, pp. 168-171, 2017.
11. S. Dutta, **T. A. Sheikh**, S. Baruah, P. Sharma and S. Roy, “[Accident Control Using Fuzzy Logic: Survey](#)”, European Journal of Advances in Engineering and Technology (EJAET), vol.3, no.1, pp.62-65, Jan. 2016.
12. **Tasher Ali Sheikh** and Rehna Sultana, “[Philosophy of Research,](#)” International Journal of Advanced Engineering and Management, vol.1, no.1, pp. 12-17, 2016.

Book Chapter

1. **Tasher Ali Sheikh**, Shadab Haque, Mancharla Ravi, Anil Shaw and Janmoni Borah, “[Cell-Free Massive MIMO for Future Generation Wireless Networks](#)”, Book Title: “[Edge-Enabled 6G Networking: Foundations, Technologies, and Applications](#)” is an edited book to be published by Springer Nature” May, 2026. (ISBN-978-3032190413).
2. R. Narzary, **Tasher Ali Sheikh**, U. Kalita, H. Brahma, P. Deka, A. E. Talukdar, and A. Mukharjee, “[On Some Aspects of Digital Filtering: Revisited](#)” Book Entitle “[Advance Computer Science & Application](#)” EBH Publishers (India), pp. 253-261, 2014. (ISSN-9789386317025).

International Conference

1. **Tasher Ali Sheikh**, Faizur Rahman Babul, “[Evolution of Mobile Communication Networks](#)”, National Conference on Recent Trends in Electronics and Communication Engineering–2020 (NCRT-ECE-2020), Andhra Pradesh, India, pp.75-79, 2020.
2. Md. Anwar Hussain, **Tasher Ali Sheikh**, and Joyatri Bora “[Group Based Semi-Orthogonal User Scheduling for Massive MIMO Wireless Communication](#),” 13th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS-2019), GOA, India, pp. 1-5, 2019.
3. **Tasher Ali Sheikh**, Joyatri Bora and Md. Anwar Hussain, “[Massive MIMO: An Element of 5G](#)”, IEEE Int. conf. on Current Trends in Computer, Electrical and Electronics and Communication (ICCTCEEC)-2017, pp.287-294, Sep. 2017.
4. **Tasher Ali Sheikh**, Joyatri Bora and Md. Anwar Hussain, “[A survey of antenna and user scheduling techniques for Massive MIMO-5G wireless system](#)”, IEEE Int. conf. on Current Trends in Computer, Electrical and Electronics and Communication (ICCTCEEC)-2017, pp.295-300, Sep. 2017.
5. **Tasher Ali Sheikh**, Janmoni Borah and Sahadev Roy, “[Bandwidth Improvement in BPF using Microstrip Couple lines](#)”, Int. Conf. of Signal and Speech Processing (ICSSP’14), Publisher **Elsevier**, pp.105-109 Aug.2014.
6. **Tasher Ali Sheikh**, Janmoni Borah, Sahadev Roy and Abhishek Kumar Pandey, “[A New Compact Dual Band Microstrip BPF for GSM-1800 And WiMAX Using Asymmetric Stepped Impedance Resonators](#)”, Int. Conf. on Recent Cognizance in Wireless Communication & Image Processing (ICRCWIP-14), Publisher **Springer**, pp.581-587, Jan.2015.

Research Ids and Citations

- | | |
|--|--|
| ➤ Google scholar Citation: 227 (h-index-8) | ➤ SCOPUS ID & Citations: 107 (h-index-8) |
| ➤ ORCID ID: 0000-0002-6014-4263 | (57190070445) |
| ➤ Vidwan-ID: 587833. | ➤ Researcher ID: K-1929-2016 |

Sponsored Research Grants

Project Title	Funding Agency	Role	Grant	Status
Timing-Aware Sensor Hardware and Push-Pull Pest Management for Tea Gardens in Assam	ASTEC	Project Investigator	8,00,000 /- INR	Submitted & Under Review

AI and 5G based Stress Management for Empowering Women Farmer in rural area due to climate-Resilient Agriculture	ICSSR	Project Investigator	2663000/- INR	Submitted & Under Review
--	-------	----------------------	---------------	--------------------------

Academic Responsibility

Responsibility	Institute Name	From	To	Total Experience (YY/MM/DD)
Training and Placement Coordinator, FoCT	Faculty of Computer Technology, Assam down town University, Guwahati	20-01-2026	Till Date	00/06/00
Curriculum Development & Review Committee Member	Faculty of Computer Technology, Assam down town University, Guwahati	01-09-2025	Till Date	00/09/00
Institute Innovation Council (IIC), FoCT Representative	Assam down town University, Guwahati	01-09-2025	Till Date	00/09/00
HoD In-Charge, Dept. of Electronics & Telecommunication Engineering, RGP	Residential Girls Polytechnic, Golaghat, Assam	12-01-2022	20-07-2023	01/06/08
Academic Council, Member	Residential Girls Polytechnic, Golaghat, Assam	17-01-2022	09-10-2024	01/11/00
AICTE Cell Nodal Officer	Residential Girls Polytechnic, Golaghat, Assam	17-03-2022	09-10-2024	01/11/00
Institution Industry Cell Member	Residential Girls Polytechnic, Golaghat, Assam	29-01-2022	09-10-2024	01/11/00
Anti-Ragging Committee Member	Residential Girls Polytechnic, Golaghat, Assam	28-01-2022	09-10-2024	01/11/00
Grievance Committee Member	Residential Girls Polytechnic, Golaghat, Assam	19-01-2022	09-10-2024	01/11/00
Internal Quality Assurance Cell Member	Residential Girls Polytechnic, Golaghat, Assam	19-01-2022	09-10-2024	01/11/00
Internal Complain Committee Member	Residential Girls Polytechnic, Golaghat, Assam	18-01-2022	09-10-2024	01/11/00
Anti-Ragging Squad Member	Residential Girls Polytechnic, Golaghat, Assam	18-01-2022	09-10-2024	01/11/00
Grievance Redressal Committee Member	Residential Girls Polytechnic, Golaghat, Assam	17-01-2022	09-10-2024	01/11/00
Department Stakeholder In-charge	Madanapalle Institute of Technology & Science (MITS), Angallu, Madanapalle, Andhra Pradesh, India-517325	18-11-2020	06-01-2022	01/01
R & D Coordinator	M.A.M. College of Engineering & Technology, Tiruchirappalli, Tamilnadu-621 105	01-09-2020	30-09-2020	00/01
Wireless Communication Course Coordinator	ECE Dept. MITS	July, 2021	Dec, 2021	00/06
Executive Member	IETE Assam Chapter	16-08-2020	Till	03/06/00
Executive Member BNC Alumni Association	Bhola Nath College (BNC), Dhubri Assam	05-01-2016	Till	08/01

Diploma Project Supervision

- Priyanchi Baruah, Lipika Sonowal and Purnima Sonowal, "Automatic Digital Visitor Counter With 7-Segment Display", Residential Girls' Polytechnic, Pulibor, Golaghat, 2024.
- Sudarsana Bhuyan, Bhabani Gogoi and Shristi Sikha Phukan, "To design a Public Addressing (PA) System", Residential Girls' Polytechnic, Pulibor, Golaghat, 2024.
- Priyanka Dhadumia, Priyakshi Barman, Debashree Phukon and Gargi Borgohain, "To Design a Fingerprint Door Lock System", Residential Girls' Polytechnic, Pulibor, Golaghat, 2024.
- Bikoshita Gogoi, Retika Terangpi, Garima Das and Dipsikha Gogoi, "To design a Smart Notice Board Using Voice and Chat", Residential Girls' Polytechnic, Pulibor, Golaghat, 2024.
- Tanuja Rahman, Priyama Neog, Trishna Moyee Kalita, Ritushmita Saikia, Prerona Tamuly, "To Design a Rain Detector Alarm System", Residential Girls' Polytechnic, Pulibor, Golaghat, 2023.
- Pranami Baruah, Seema Buragohain, Najbin Begum, Nasrin Akhtar Ahmed, Tamanna Arfin Hazarika, "To Design a Bluetooth Speaker System", Residential Girls' Polytechnic, Pulibor, Golaghat, 2023.
- Arpita Mahanta, Pranamika Borah, Nisharani Gogoi, Anamika Borah, Plabita Gogoi, "To Design a Security Laser Alarm System at Home", Residential Girls' Polytechnic, Pulibor, Golaghat, 2023.

8. Pori Hazarika, Kabita Shah, Pahi Kakoti, Prity Panging, Fatema Khatun, "To Design a Smart Home Automatic Light Control Using Arduino Uno", Residential Girls' Polytechnic, Pulibor, Golaghat, 2023.
9. Jimpi Rava, Chaya Saikia, Dharitree Gogoi, Dikhita Hazarika, Ashapurna Gogoi, "To Design a Solar Powered Mobile Phone Charger", Residential Girls' Polytechnic, Pulibor, Golaghat, 2023.
10. Rashmi Choudhury, Nobonita Borah, Sumi Hazarika, Pratiksha Kurmi and Avismita Chetia, "Smoke and Gas Leakage Detector Using Arduino UNO," Residential Girls' Polytechnic, Pulibor, Golaghat, 2022.
11. Sikhmoni Chetia, Kiriti Borah, Rashmi Chetia, Lovely Konwar and Anuspriya Tamuli, "Time Delay Relay Circuit Using 555 IC," Residential Girls' Polytechnic, Pulibor, Golaghat, 2022.
12. Labyrina Bikamia, Priyanka Chetia, Nishita Boruah and Richa Hazarika, "Automatic Water Pump Control System," Residential Girls' Polytechnic, Pulibor, Golaghat, 2022.
13. Ankita Doley, Kongkona Gogoi, Parishmita Mech, Prathana Duarah and Shaswati Rabha, "Microcontroller Based Stage Lighting Control System," Residential Girls' Polytechnic, Pulibor, Golaghat, 2022.
14. Ankita Goswami, Barakha Nath, Dipanjali Boro and Gargi Moran, "Heartbeat Sensor Using Arduino UNO," Residential Girls' Polytechnic, Pulibor, Golaghat, 2022.
15. Angelina Saikia, Nikita Saikia, Priya Gohain and Annapurna Gogoi "Automatic Street Light Controller Using Arduino," Residential Girls' Polytechnic, Pulibor, Golaghat, 2022.

UG Project Supervision

1. S. Pavani Lakshmi Das, B. Pavithra, P. Sai Keerthi and K. Sai Manaswi, "Improvement of Data-Rate in cell Free Massive MIMO System Using Access Point Selection Technique," Madanapalle Institute of Technology & Science (MITS), (UGC Autonomous) Andhra Pradesh, 2020.
2. Y. Suresh Reddy, S. Veera Sekhar Reddy and N. Varun Kumar Reddy, "To Design Optimal Power Control Algorithm in Cell Free Massive MIMO Networks," Madanapalle Institute of Technology & Science (MITS), (UGC Autonomous) Andhra Pradesh, 2020.
3. C.M. Kalyan Kumar, K. Jaya Prakash, M. Kabeer baba and U. Suresh, "Performance Analysis of Optical Fiber Communication", Madanapalle Institute of Technology & Science (MITS), (UGC Autonomous) Andhra Pradesh, 2021.
4. S. Pavani Lakshmi Das, B. Pavithra, P. Sai Keerthi and K. Sai Manaswi, "Performance Enhancement in Cell Free Massive MIMO System," Madanapalle Institute of Technology & Science (MITS), (UGC Autonomous) Andhra Pradesh, 2021.
5. N. Uday Kumar, N.V. Srinivasulu, G. Viswanath and S.D. Wesly Jawahar, "Robot Controlling with Voice," Madanapalle Institute of Technology & Science (MITS), (UGC Autonomous) Andhra Pradesh, 2021.
6. S. Deekshitha, N. Shalini and P. Indira, "Capacity Maximization in Cell Free Massive MIMO Network with Access Point Selection Schemes" Madanapalle Institute of Technology & Science (MITS), (UGC Autonomous) Andhra Pradesh, 2022.
7. Y. Rasagnya, V. Rajesh and D. Salman Raju, "Power Minimizing Using AP Selection Algorithm in Cell Free Massive MIMO System" Madanapalle Institute of Technology & Science (MITS), (UGC Autonomous) Andhra Pradesh, 2022.
8. S. Muzammil and V. Md. Sameeullah, "Performance maximization in cell free massive MIMO network with user scheduling method" Madanapalle Institute of Technology & Science (MITS), (UGC Autonomous) Andhra Pradesh, 2022.

PG Project Supervision

1. Arshif Eqbal Talukdar, "[Employee Management System](#)" Khrishna Kanta Handique State Open University (KKHSOU), City Campus, Resham Nagar, Kahanapara, Near Bodoland Guest House, Guwahati, 781022, 2025. (MScIT).

PhD Project Supervision/Co-Supervision

1. Scholar Details: Abhijit Saikia, "[Optimization of energy consumption of renewable energy source over the existing source](#)" Department of ECE, The Assam Kaziranga University, Jorhat, Assam. (Supervisor: Dr. Ashim Jyoti Gogoi and Co-Supervisor: Dr. Tasher Ali Sheikh).

Computer Skills

Programming Languages : C, C++, Assembly Language (8085& 8086).

Operating Systems : Windows-7, 8, 10, vista, XP.

Software Packaging : MATLAB, System Vue, MULTISIM, FEKO, HFSS, Sonnet, Proteus, Arduino, Raspberry Pi, Python, LTSpice.

Scholastic Achievement

- Nominated for [Visvesvaraya PhD Award 2020](#), from NERIST to Visvesvaraya PhD Scheme, Meity, GoI.
- [Anundoram Borooah](#) award 2007, Assam Government.
- [Bharat Ratna Mother Teresa Gold Medal Award](#) from Global Economic Progress & Research Association (GEPR), India.
- [10th rank](#) in B. Tech, CIT, Kokrajhar, Assam.

- 1st position in [Paper Presentation](#) in SHRISTI technical festival, 2014 held at NERIST.
- [Most downloaded Article Certificate](#) from [Digital Communications and Networks Journal \(Elsevier\)](#) for paper entitle “Capacity Maximizing in Massive MIMO with Linear Precoding for SSF and LSF Channel with Perfect CSI”.
- Appointed as [Bentham Ambassador](#) by Bentham Science Publishers for 2019-20.
- Qualified [Management Aptitude Test \(MAT\)](#) in 2013 with good percentile.
- Merit certificate from the [Gossaigaon Press Club](#) June/2007.

Member of Professional Body

- ❖ [Member](#), IEEE, US. (93221890)
- ❖ [Associate Member](#), IETE, India. (AM501517)
- ❖ [Associate Member](#), IEI. (AM1916079)
- ❖ [Life Member](#), International Association of Engineers (IAENG), Hong Kong.
- ❖ [Senior Member](#), Universal Association of Computer and Electronics Engineers (UACEE), USA.
- ❖ [Member](#), American Association of Science and Technology (AASCIT), USA.
- ❖ [Member](#), World Academy of Science, Engineering & Technology (WASET), USA.
- ❖ [General Member](#), World Leadership Academy (WLA1840),
- **Editorial Board Member of International Journals:**
 - i. *International Journal of Complexity (IJOC)*
 - ii. *International Journal of Electronic Design and Test (JEDT).*
 - iii. *International Journal of Advanced Engineering and Management (IJOAEM).*
 - iv. *American Journal of Engineering and Technology Management (AJETM).*
 - v. *Signal and Information Processing.*
 - vi. *SCIREA Journal of Electrics, Communication.*
 - vii. *SCIREA Journal of Electrical Engineering.*
 - viii. *Journal of Electronic Research and Application.*
 - ix. *Journal of Secure Communication and System.*
 - x. *Electronics Science Technology and Application (ESTA)*
 - xi. *Insight – Electronic*
- **Reviewer of International Journals:**
 - i. [IEEE](#) Transaction on Vehicular Technology.
 - ii. [IEEE](#) Access.
 - iii. [IET](#) Communications.
 - iv. *Electronics Letter, the [IET](#) journal.*
 - v. *Journal of Mobile Multimedia.*
 - vi. *International Journal of Sensors, Wireless Communications and Control.*
 - vii. *Cogent Engineering.*
 - viii. *Journal of Microwaves, Optoelectronics and Electromagnetic Applications (JMOe).*
 - ix. *International Journal of Wireless Communications, Networking and Mobile Computing (IJWCNMC).*
- **Reviewer of International Conferences: 04**
- **Guest Editor of the Journal**
 - i. Current Electronics and Telecommunications.
 - ii. Electronics Science Technology and Application.
- **No of Program Committee of International Conferences : 95**

Hobbies

- Writing poem, short story, Singing Song, Playing cricket, Carom, Chess.

Certificate Courses

- 12-week NPTEL *Introduction to Internet of Things course*, IIT Kharagpur.
- Successfully completed the “**APPRECIATION OF DIGITAL LITERACY**” examination conducted by National Institute of Electronics and Information Technology (NIELIT) during November 2016 under the scheme “National Digital Literacy Mission” of Deity and Ministry of Communications & Information Technology, GoI.
- Successful completed the certificate course on “**COMPUTER APPLICATION**”, June 2007 in Webel informatics Limited, Government of West Bengal (GoWB) undertaking- under the Department of Information Technology, GoWB.

Industrial Training Areas

- Participated in “**Vocational Training Phase-II**” organized by RTTC Guwahati (BSNL).

- Industrial training at “Advance Training Institute (ATI), Chennai” embedded controller and industrial application, programming logic Control (PLC) and its application on industrial application, digital signal processing (DSP).
- Industrial training on “Inplan Training”, organized by **All India Radio** Guwahati.
- “IBM AIX training” organized by **IBM** systems & technology group.
- “Three-months computer training program” organized by Nehru Yuva Kandra Govt.of India.

Invited Talks Delivered

- On **Future Intelligent Communication with 6G Technology**, held on 04th September, 2024, Organized by the Electronics and Communication Engineering, **Madanapalle Institute of Technology and Science (MITS), Andhra Pradesh**.
- On **MIMO System Model for next Generation Wireless Communication**, held on 24th February, 2024, Organized by the Electronics and Communication Engineering and Electrical Engineering, **The Assam Kaziranga University, Jorhat, Assam**.
- On **Cell free massive MIMO for future generation (5G and Beyond) Wireless Networks**, Three-Days Online Faculty Development Programme on **Exploring the Impact of Emerging Technologies in Future Generation Networks and System** held from 24-26 May, 2023, Organized by School of Electronics Engineering, **Vellore Institute of Technology, Chennai**.
- On **Introduction to Arduino and Its Application in Smart Toy Making**, two weeks offline Entrepreneurship and Skill Development Program on “**Smart Toy**” held from 10-23rd March, 2023, organized by dept. of Electronics and Communication Engineering, NIT, Jote, Arunachal Pradesh, India.
- On **Role of 5G Technology in Disaster Management**, Three-Days Online Training Programme on **Emerging Technology Trends for Effective Disaster Management** held from 8-10 June, 2022, Organized by Gopal Narayan Singh University, Bihar and **NIDM, New Delhi**.
- On **Semi-Orthogonality test in massive MIMO**, one-week Short Term course on “**Emerging topics on Instrumentation, Electronics and Communications**”, held from 27th Oct 2021 to 31st Oct 2021 organized by the dept. of ECE in associate with IEEE student chapter, MITS, Madanapalle, Andhra Pradesh.
- On **Application of Computers in Today's Life** at Kayakuchi HS School, Assam, India.

STC/FDP/Workshop/Symposia/Conference Organized

1. **Convener** of one-week Online Faculty Development Programme on “**Quantum Computing Foundation and Application**”, to be held on 27th Oct 2025 to 2nd Nov 2025 at Faculty of Computer Technology, Assam down tow University, Guwahati-781071.
2. Coordinator of the Webinar (Online) “How to Plan for future along with enjoying student life” on 12th May 2022.
3. **Co-Convener** of one-week Short Term course on “**Emerging topics on Instrumentation, Electronics and Communications**”, to be held on 27th Oct 2021 to 31st Oct 2021 at MITS, Madanapalle, Andhra Pradesh.
4. **Coordinator** of one-week Short Term Course on “**Future Opportunities and Challenges in 5G Technology (FOC-5G)**”, to be held on 13th Oct 2021 to 17th Oct 2021 at MITS, Madanapalle, Andhra Pradesh.
5. **Coordinator** of one-day International Seminar on “**Recent Advances in Nonvolatile Memory for High end Applications**”, held on 13th March 2021 at MITS, Madanapalle, Andhra Pradesh.
6. **Convener** of, “**One day Skill Development lecture cum Career Counseling Programme**” on 15th may, 2016, Gossaigaon, Kokrajhar, Assam, India.

Chair of International Conferences

- **Special Session Chair** on 2022 Second International Conference on **Computer Science, Engineering and Applications (ICCSEA-2022)** Technically Co-Sponsored by IEEE Kolkata Section, IEEE Bhubaneswar Subsection & IEEE USA IEEE, Organized by Department of Computer Science and Engineering, GIET University, Gunupur, India will be held on 8th September 2022.

International & National Conf./Symposia/FDP/STC/Workshop/Seminar/Webinar/other Attended

- | | |
|---|--|
| 1. No of Conference attended: 04 | 5. No of Workshop attended: 07 |
| 2. No of Symposia attended: 00 | 6. No of Seminar attended: 01 |
| 3. No of FDP attended: 39 | 7. No of Webinar attended: 05 |
| 4. No of STC attended: 11 | 8. No of other programme attended: 02 |

References

Dr. Joyatri Bora
Professor, Dept. of ECE, NERIST,
Arunachal Pradesh, 791109, India.
Mobile Number: +91-9436042998
Email ID: jb@nerist.ac.in

Dr. Sudip Misra
Professor, Dept. of CSE, IIT Kharagpur
West Bengal-721302, India.
Mobile Number: +91-9734880277
Email ID: sudipm@iitkgp.ac.in

Declaration

I hereby declare that all the information furnished above is true to the best of my knowledge and belief.

Place: Shimultapu, Kokrajhar, Assam.

Date: 05/07/2026



.....
(DR. TASHER ALI SHEIKH)
Signature