



**Department of Electrical and Electronic Engineering (EEE)
Bangladesh University of Engineering and Technology (BUET)**

M.Sc/M.Engg Admission, April 2024

**Notice for Applicants - 08
Area of Research and Research Keywords of
Faculty Members**

Date: September 08, 2024

Sl. No.	Name of the faculty	Area of research (EEPS, EP, CSP)	Research keywords
	Example	EEPS, EP	Power Electronics; Plasmonics; Optoelectronic Devices; Nanophotonic Biosensors
1.	Dr. S. Shahnawaz Ahmed		
2.	Dr. Md. Saifur Rahman	EEPS, CSP, EP	Energy Conversion Systems, Battery Charging Stations, Energy Storage Devices, Smart Grid + Analog and Digital Communications, Digital Signal Processing, Engineering Electromagnetics + Electronics,
3.	Dr. Pran Kanai Saha		
4.	Dr. Quazi Deen Mohd Khosru	EP	Nanoelectronic and Nanophotonic Devices and Materials, NanoBio Sensors
5.	Dr. Md. Shafiqul Islam	EP	Nanoelectronic Devices and Materials, NanoBio Sensors, High-power Electronic Devices
6.	Dr. Md. Kamrul Hasan		
7.	Dr. Md. Aynal Haque		
8.	Dr A. B. M. Harun-Ur-Rashid	EEPS	
9.	Dr. Sharif Mohd. Mominuzzaman	EP, EEPS	EP: Nano device, Nano-materials, Nano Photonic Devices, Solar Energy Materials and Solar cells. EEPS: Renewable Energy Systems, Power Systems
10.	Dr. Mohammad Jahangir Alam	EEPS, EP	Renewable Energy Systems, Electronics;
11.	Dr. Md. Shah Alam	EP, CSP	Plasmonic devices, Metamaterials, Speciality fibers, Sensors, Waveguide devices
12.	Dr. Md. Ziaur Rahman Khan	EEPS	Power Converters, Renewable Energy Systems, Electric Vehicle, VRE Challenges
13.	Dr. Mohad. Imamul Hassan Bhuiyan	EEPS, EP, CSP	Transformer Fault detection; Photonics; biomedical signal and image processing; deep learning; Machine learning
14.	Dr. Shaikh Anowarul Fattah	EEPS, CSP	Computer vision/robotics, biomedical, deep learning/machine learning, Grid-interactive energy management, fault/demand prediction https://eee.buet.ac.bd/people/faculty/dsaf https://scholar.google.com/citations?user=qDG3vBUAAAAJ&hl=en

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15.	Dr. Md. Nasim A. Dewan		
16.	Dr. Muhammad Anisuzzaman Talukder	EEPS, EP	anis.buet.ac.bd
17.	Dr. Celia Shahnaz		Deep learning, biomedical, biometric security, Robotics, Smart grid, renewable energy https://www.celiashahnaz.com/research-related-to-ieee-cs/ , https://scholar.google.com/citations?user=gwrHyr8AAAAJ&hl=en
18.	Dr. Mohammad Ariful Haque	CSP	Deep learning, Intelligent systems
19.	Dr. Abdul Hasib Chowdhury	EEPS	Power system operations and control, optimization, reliability
20.	Dr. Farseem Mannan Mohammedy	EEPS, EP	Energy modeling, RE, photonic and optoelectronic sensors and devices.
21.	Dr. Mohammad Faisal	EP, CSP	FSO communication, Ultra High Speed fiber-optic communication, SCG, Fiber Sensors, Photonic waveguide
22.	Dr. Md. Forkan Uddin	CSP, EEPS	6G Communications, Optical Communications, Deep Learning in Communication, Smart Grid Demand Response, Renewable Energy
23.	Dr. Lutfu Akter	CSP	Radio over Fiber; Radar Signal Detection, Deep Learning, Machine Learning, Opportunistic Spectrum Usage Modeling
24.	Dr. Md. Kawsar Alam	EP	Nanomaterials and Electronic Devices https://kawsaralam.buet.ac.bd/
25.	Dr. Md. Zahurul Islam	EEPS, EP	EEPS: Power System, Power Electronics, Any self-defined and self-motivated topics EP: Nanophotonics, Optics (materials, devices, systems, sensors etc.), Any self-defined and self-motivated topics URL: mdzahurulislam.buet.ac.bd
26.	Dr. Apratim Roy	EP	Nanoelectronic Devices and Circuits, Biomedical Circuits, Renewable Systems
27.	Dr. Mahbub Alam	EP	Nanomaterials, NanoFET, Quantum, Topological and 2D Materials, Quantum Transport, Electron Photon Interaction
28.	Dr. Md. Zunaid Baten	-	-
29.	Hamidur Rahman	EP, EEPS	Hardware Security, VLSI Testing, Effect of shape and materials on gate all around MOSFET, Stability of Bangladesh Power System, Harmonic Analysis due to EV charging
30.	Dr. Shaikh Asif Mahmood	EP	Electronic Devices
31.	Mr. Yeasir Arafat		
32.	Dr. Ahmed Zubair	EEPS, EP	Nanomaterials and Nanosystems, Plasmonics and Nanophotonics, Electronic and Photonic Device Fabrication and Characterization, Renewable Energy, Power systems
33.	Dr. Md. Asiful Islam	CSP	Machine learning in Electromagnetics, Machine learning for ECG signals, Microwave and Diffuse Optical Imaging, Radar imaging for autonomous vehicles
34.	Dr. Hafiz Imtiaz	EEPS, CSP	Machine learning, privacy, distributed optimization, neural networks, semi-supervised learning in power systems
35.	Dr. Muhammad Abdullah Arafat	EP, EEPS	Wireless power transfer, biomedical electronics, electric vehicles

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36.	Dr. Sajid Muhaimin Choudhury	EEPS, EP	Nanophotonics, Metasurface, Plasmonic Biosensing, Solar Photovoltaic Systems Design, Renewable Energy Dominated Grid Planning, (other research topics might be incorporated based on discussion with the supervisee), Please see my Publications or my Google Scholar profile in my website (http://sajid.buet.ac.bd). (2 RA positions are available for full-time MSc students under RISE MetaLens Project)
37.	Dr. Nadim Chowdhury	EP	
38.	Dr. Maruf Ahmed	EP, CSP	Biomedical (MRI, CT) Image Processing and Analysis, NIR photodetector
39.	Dr. Ehsanur Rahman	EP	Next Generation Solar Cells, Photonics, High Electron Mobility Transistors (HEMT), Plasmonics, Novel Solid-State Hybrid Energy Conversion Devices Explore the following link for more details: https://sites.google.com/site/ehsanurbuet/research
40.	Dr. Zahir Ahmed	EP	Nanobiophotonics, Bioensing, 2D Materials, Integrated photonics, Neural interfaces
41.	Dr. Orchi Hassan	EP	Nanoelectronic and Spintronic Devices and Circuits, Neuromorphic Computing Hardware

Postgraduate (M.Sc./M. Engg.) Admission Committee

Department of EEE, BUET, Dhaka-1205.

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