

**PROJECT LIST - EECE DEPT**

Ser	Supervising Faculty	Name of Proj	Year	Rmks
1.	Brig Gen A K M Nazrul Islam, PhD	Design, Development and Fabrication of Robotic Arm to be Utilized for Mine Detection (DRAM).	2020-2021	
2.	Prof. Dr. Md. Golam Mostafa	An Improved Model of Electrical Energy Theft Detection System for IoT Based Smart Home/Industrial Environment	2020-2021	
3.	Prof. Dr. Md. Golam Mostafa	Measurement and Analysis of HF Spectral Occupancy in Bangladesh	2021-2022	
4.	Prof. Dr. Md Hossam-E-Haider	Integration of Advanced Vehicle Monitoring and Alcohol Sensing System With Immediate Action For Modern Vehicles To Prevent Road Accident	2021-2022	
5.	Brig Gen A K M Nazrul Islam, PhD	Design and Development of a Multipurpose Intelligent Radio Controlled Surveillance Boat	2021-2022	
6.	Prof. Dr. Md. Golam Mostafa	Development of Ionospheric Monitoring System for Bangladesh: Empowering Geospace Research	2023-2025	
7.	Prof. Dr. Md. Golam Mostafa	Toward Establishing a Dense GNSS Network in Bangladesh for Space Weather Applications and Remote Sensing	2023-2024	
8.	Prof Dr Md Hossam-E-Haider	Drone-Based Attack and Defense System in Bangladesh	2024-2025	
9.	Lt Col Md Aminul Islam, PhD, EME	A Generalized high-boost Cascaded Multilevel Inverter for High-Power Applications	2024-2025	
10.	Capt A N M Didarul Alam, (L), NUP, psc, BN	Remotely Operated Under Water Vehicle (ROUV)	2024-2025	
11.	Prof. Dr. Md. Golam Mostafa	Testing the Performance of Low-cost Dual-frequency GNSS Receivers in Remote Sensing of the Atmosphere	2025-2026	
12.	Prof. Dr. Md. Golam Mostafa	Machine Learning-driven Ionospheric Scintillation Forecasting in Southeast Asia.	2025-2026	
13.	Major Shah Mohazzem Hossain, PhD, Sigs	Development of an Artificial Intelligence Enabled Digital Twin of A Solar Photovoltaic Plant to Enhance Renewable Penetration In Power Grid of Bangladesh	2025-2026	
14.	Capt A N M Didarul Alam, (L), NUP, psc, BN	Aerial Strikebot	2025-2026	
15.	Capt A N M Didarul Alam, (L), NUP, psc, BN	Autonomous/Radio Control Explosive Underwater Drone	2025-2026	