

**International Islamic University Chittagong**  
**Department of Electrical and Electronic Engineering**  
**Final-defense of Spring-2022 (5/8/2023 to 7/8/2023)**

SL	Project/Thesis Title	Students Name	ID	Supervisor	Examination Board
01	Machine-To-Machine Based Object & Sound Detection with Command Systems for Military Purposes	Nudar Ibnat	ET 191212	Md. Lokman Hossain	<b>Board-1 (Group 1 to 7) Time: 10:20 am to 12:50 pm Date: 5/8/2023 Venue: Conference Room</b>
		Umma Honey Chowdhury	ET 191214		
		Fahmida Nusrat	ET 191215		
02	Automatic Railway Gate Control System with GSM Alert	Noshin Sharmily	ET181219	Sk. Md. Golam Mostafa	
		Umma Marzan	ET 181223		
03	Design Proposal for upgrading the core equipment of IIUC Substation to Satisfy future load demand	Noushin Tabassum	ET183202	Dr. Yasir Arafat	
		Raina Rahman	ET183211		
04	RFID Based Automatic Electric Vehicle Charging System Using IoT	Tithi Shil	ET173206	Md. Lokman Hossain	
		Sabiha Murad Raisa Afia Mubashshira	ET181214 ET181226		
05	Design and Performance Analysis of a Metamaterial Loaded Microstrip Patch Antenna for 5G Communication	Namira Chowdhury	ET183205	Dr. Sikder Sunbeam Islam	
		Humaira Binte Rahman	ET183208		
06	Webcam based robust and affordable Optical Mark Recognition System.	Effat Somaiya	ET181210	Mohammed Abdul Kader	
		Alifa Sun Mim	ET183216		
07	Hand Gesture recognition-based speed and direction control of DC motor using CNN	Saida Hossain Nishat	ET183209	Mohammed Abdul Kader	
		Sufia Akter Bristy	ET183218		
		Bristy Das	ET183224		

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08	DFT Insight into Structural, Electronic, Optical and Thermal Properties of ECO- Friendly Perovskites CuXo3 X=Al, In For Green Energy Generation	Mahmudur Rahman	ET191036	Dr. Md. Zahid Hasan	<b>Board-2</b> (Group 8 to 13) <b>Time:</b> 12:50 to 1:15 pm (group-8) <b>and</b> 1:45 pm to 3:50 pm (Group 9 to 13) <b>Date:</b> 5/8/2023 <b>Venue:</b> Conference Room
		Md. Rifat Uddin Akhand	ET 191033		
09	A Comprehensive Analysis of Load Frequency Stabilization Using Fuzzy, SMES & Virtual Inertia Controller in a Micro-grid System	Mohammad Imtiaz Bin Farid	ET191014	Dr. Md. Aasim Ullah	
		Jishu Biswas	ET191023		
10	Energy Theft Detection Using Smart Meter Data	Asif Hasan Fahim	ET183006	Dr. Yasir Arafat	
		Hossain Mahmud Zubair	ET183014		
11	Machine Learning model for solar irradiance forecasting incorporating seasonal effect and Input impact analysis.	Mohammad Saimur Rahaman Sachha	ET183060	Md Rashidul Islam	
		Amran Chowdhury Raihan	ET183034		
12	Optimum Load Scheduling for Smart Home Energy Management System .	Durjoy Datta	ET173030	Dr. Md. Aasim Ullah	
		Ashraful Islam Tanvir Ahmed	ET173044 ET183081		
13	Optimal battery Sizing and Economic Power Dispatch of a Microgrid Considering Battery DoD Using Metaheuristic algorithm.	Shaharier Rashid	ET183005	Sk. Md. Golam Mostafa	
		Muhammad Mukit Hosen	ET183007		

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14	Ab-initio Calculation of the structural, Electronic, Mechanical, Optical, and Thermoelectric Properties of Ternary Chalcogenide Cu <sub>2</sub> GeS <sub>3</sub> , Compound .	Rajabur Rahaman	ET191032	Md. Rasheduzzaman	<b>Board-3</b> <b>(Group 14 to 19)</b> <b>Time:</b> 3:50 to 4:20 pm (Group 14 ) <b>Date:</b> 5/8/23 <b>and</b> 10:20 am to 12:00 pm <b>Date:</b> 6/8/2023 <b>Venue:</b> Conference Room
		Swapnil chowdhury	ET191035		
15	Octagonal Flower - Shaped Wideband Polarization Insensitive Metamaterial Absorber for Solar Harvesting Application.	Abidur Rahman Shavo	ET183018	Dr. Sikder Sunbeam Islam	
		Md Raihan	ET183039		
16					
17	Machine learning approach for energy demand modeling in Asian Countries.	Jawad Uddin Nafis	ET183033	Engr. Md. Rashidul Islam	
		Mehraj Mahmud	ET191079		
18	Designing a Renewable Energy based charging station for electric Vehicle.	Abu Saleh Md. Raihan	ET183044	Engr. Sk. Md. Golam Mostafa	
		Misbahul Abedin Abid	ET183047		
19	Design and Analysis of a Hydro Storage System Consist of Solar and Wind Power.	Sadman Jawad Chowdhury	ET183011	Engr. Sk. Md. Golam Mostafa	
		Md. Abu Sayeed Ifty	ET183043		

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20	Air Pollution Monitoring and Controlling System.	Mohammad Abu Saleh Musa	ET191042	Md. Lokman Hossain	<b>Board-4</b> <b>(Group 20 to 25)</b> <b>Time:</b> 12 pm to 1:15 pm (Group 20 to 23) And 1:45 pm to 2:30 pm <b>Date:</b> 6/8/2023 <b>Venue:</b> Conference Room
		Moinul Abedin	ET191048		
21	Short-Term Wind Speed Forecasting Using ANN-LMA	Md. Sharif Jamil Siddique Tanim	ET183052	Md Rashidul Islam	
		Abdullah	ET183053		
22	Optimal Sizing of the Grid-Connected Microgrid Considering EVCS Load	Mohammed Taki	ET183042	Md Rashidul Islam	
		Mohammad Jahidul Islam	ET183069		
23	Automatic Drainage Cleaning System	Md. Atikur Rahman	ET191041	Md. Lokman Hossain	
		Imon Chowdhury	ET191013		
24	Overweight Detection of Vehicles with Machine to Machine Communication to Inform Police Station	Mohammaed Jobayer Hossain	ET181039	Md. Lokman Hossain	
		Anwarul Azim	ET183064		
		Fazia Ilahi Shariare	ET183065		
25	Renewable Energy Based Power Generation for sustainable metro city.	Fysal Ahamed	ET183070	Md. Lokman Hossain	
		Shakib Bin Islam	ET183077		
		Abdur Rahman Arman	ET183082		

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26	CONTAINER MANAGEMENT SYSTEM ADDITION IN REACH STACKER CRANE USING EMBEDDED SYSTEM AND IOT.	Md. Fakwer Uddin Mazumder	ET183073	Mohammed Abdul Kader	<b>Board-5</b> (Group 26 to 30) <b>Time:</b> 2:30 pm to 4:30 pm <b>Date:</b> 6/8/2023 <b>Venue:</b> Conference Room
		Md. Naeem Uddin Novel	ET183016		
27	IoT based submarine control system for underwater geographical research	Hosainur Rashid Eshan	ET183031	Md. Lokman Hossain	
		Md. Rhahim	ET183040		
28	RFID Based Water Vending Machine System Using IoT	Md. Hamidullah Kawsar	ET183041	Mohammad Jalal Uddin	
		Nadim Kamran Sani	ET183045		
29	Automated Biofloc Technology for Fish Farming with GSM-Based Monitoring	Rahul Nandy	ET183017	Mohammed Abdul Kader	
		Promi Biswas	ET183019		
30	Design and implementation of a voice based automated medicine reminder box with LoT health monitoring for old people and hospital	Md. Arafatur Rahman	ET191069	Dr. Md. Ismail Haque	
		Rifat Bin Hamid	ET191075		