**DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING**

**CHITTAGONG UNIVERSITY OF ENGINEERING AND TECHNOLOGY CHATTOGRAM**

**Date:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PART-A (Student Information)** | | |  |
| 1. **Name of the Student** | **:** | |  |
| 2. **Roll No.** | **:** | **Session:** | |
| 3. **Status:** | **:** Part/Full Time | |  |
| 4. **Date of 1st Enrollment** | **:** | |  |
| 5. **Mobile No.** | **:** | |  |
| 6. **E-mail** | **:** | |  |

7. **List of courses so far taken with Course No., Name of the Courses, Grade and CGPA:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course No.** | **Course Title** | **Grade Obtained** | **CGPA** |
|  |  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

8. **Educational Qualification:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree** | **University/Institution** | **CGPA** | **Passing Year** |
| BSc |  |  |  |
| HSC |  |  |  |
| SSC |  |  |  |

9. **Area of Research Interest:**

10. **Research Experience:**

11. **List of Publications:**

**PART-B (Supervisor and Research Field Choice)**

| **Supervisor Name** | **Research Field / Interest** | **Order of Choice** |
| --- | --- | --- |
| Dr. Mahmud Abdul Matin Bhuiyan | Energy Conversion, Renewable Energy, Solar PV Technology, Solar Cells, Thin Films and Photonic Devices |  |
| Dr. Muhammad Quamruzzaman | Power System, Power Electronics, Grid-tied PV System, Power System Protection |  |
| Dr. Quazi Delwar Hossain | CMOS Based Image Sensor, Semi-conductor Electronics and Integration Science, LSI Circuit Design and Measurement, Bio-medical Imaging |  |
| Dr. Muhammad Ahsan Ullah | Signal Processing, Communication System and Networking, Forward Error Correction, Non-Recursive Codes, Control System, Bio Signal Processing and Instrumentation, AI and IoT |  |
| Dr. Mohammad Rubaiyat Tanvir Hossain | Power Electronics Converters, Applications and Control, FACTS Devices, Electrical Machines and Drives, Internet of Things (IoT), AI and Machine Learning, VLSI Circuit Design |  |
| Dr. Nur Mohammad | Power Systems Simulation, Generation Planning, Operation and Control, Voltage and Frequency Control, Application of IoT in Power Systems, Smart Grid and Microgrid Management, Smart Metering and Pricing, Economic Load Dispatch and Scheduling, Renewable and Distributed Energy Integration, Energy Storage, Demand Side Management and Demand Response, Energy Efficiency, Optimization |  |
| Dr. Tofael Ahmed | Power System, Application of Power Electronics in Power System, Energy System Planning, Smart Grid, Renewable Energy Integration |  |
| Dr. Muhammad Asad Rahman | Reconfigurable Antennas, MIMO Antennas, Transparent Antennas, Active Integrated Antennas, Wireless Power Transmission |  |
| Dr. Nipu Kumar Das | Thin-film Solar Cells, Solar PV Systems, Electrical Machines and motor drives, Renewable Energy, Electric vehicles, and Charging stations |  |
| Dr. Ashoke Kumar Sen Gupta | Microelectronics, Power systems, Thin film solar cell |  |
| Mr. Ainul Anam Shahjamal Khan | Biomedical Engineering |  |
| Mr. Mrinmoy Dey | Renewable Energy, Power Systems, Control Systems, Energy Harvesting, Power Electronics, Biomedical Engineering, Material science, Nanotechnology and Reliability Engineering |  |
| Dr. Sampad Ghosh | Synthesis and characterization of energy harvesting materials, Thermoelectric materials predominantly for low-temperature applications, Composite materials science and engineering, Growth of low dimensional (2D) materials, Supercapacitor’s electrode materials, Optoelectronic devices particularly optical waveguide simulation, fabrication and measurement |  |
| Dr. Mehdi Hasan Chowdhury | Biomedical Engineering, Embedded Systems, Machine Learning Applications |  |
| Dr. Joyprokash Chakrabartty | Semiconductor devices, microfabrication, solar cells, thin films |  |
| Ms. Jobaida Akhtar | Photonics, Optical materials and Fiber Fabrication, Optical Fiber sensing, Soft Glass, and Silica Micro-structured optical fiber. |  |
| Dr. Md. Istiaque Reja | Photonics, Micro-structured optical fiber, Optical sensing, Biophotonics |  |

**PART-C (Tentative Research Proposal)**

1. **Tentative Title:**

2. **Background and Present State of the Problem:**[*Not more than 350 words. Please mention only those activities which have been carried out in different places as reported in publications. Please support your information by citing the relevant references.*]

3. **Objectives with specific aims and possible outcomes:**[*Please list the objectives(s) and the possible outcomes using short sentences. If you are writing one or two Paragraphs describing the objectives and the outcomes, please limit yourself to 150 words.*]

4. **Outline of Methodology/ Experimental design:**[*Outline the approach and the sequence of activities in not more than 200 words to describe how the work will be carried out*]

5. **References:**[*All the references should be cited inside the texts and use a maximum of 10 references. While giving the references you must mention the author, title of the paper, and name of the journal /proceeding. vol. no., year of publication, etc. in the standard reference style*]

|  |  |
| --- | --- |
| **Signature of the Student** |  |