



## MD. ARIFUL ISLAM

ELECTRICAL ENGINEER

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🌐 <https://engrarifulislam.netlify.app/>

## PROFILE

Building up a challenging career in an organization that I would welcome a rewarding and challenging job that not only involves my current skills, but will hopefully help me acquire some new ones.

## SKILLS

Electrical Engineering



AutoCAD 2D, Electrical



Project Management



Computer Office Application



MS Office (Word, Excel, PowerPoint)



## WORK EXPERIENCE

### B&T Cables Ltd.

#### Assistant Engineer (Plant In-Charge))

March 2024- Present

- Acting Head of Vertical Super Enamel Plant Project –Evaluated technical and commercial offers in coordination with my advisor, and processed LCs to procure machines, testing equipment, and utilities.
- Prepared indents for plant materials, tools, consumables, water system, and all required accessories.
- Performed electrical design & calculations - SLD, layouts, cable and breaker selection, busbars, fittings - as per BNBC.
- Designed and implemented earthing & grounding system, ensuring safety compliance.
- Coordinated with Civil, Purchase, LC department for site readiness.
- Supervised machine erection, electrical wiring, alignment, and installation of utilities (earthing, water system, power lines).
- Conducted trial runs, set up testing equipment, validated production, and successfully commissioned.

### Trainee Engineer

Jan 2024- Feb 2024

- Acquired practical knowledge of Drawing (RBD, Intermediate, Fine Wire), Stranding (32-Bobbin, High Skip, Bunching), and Extruder machines, with clear understanding of operations and production processes.
- Learned substation operation & distribution system concepts; studied SLD preparation and electrical distribution practices.
- Observed testing equipment for overhead cable production and understood their applications.
- Assisted in quality inspection processes from in-process checks to final delivery.
- Learned the complete flow of aluminum production — from ingot to rod at the CCR Plant.
- Gained exposure to wood treatment plant operations and material handling.
- Maintained daily reporting, observed safety protocols, and supported routine maintenance tasks.

### Design Engineer

#### Brand Power Engineering

Jun 2023- November 2023

- Proficient in AutoCAD, specializing in Single Line Diagrams (SLD), substation, MDB, and SDB design, and electrical layout Design.
- Skilled in performing precise electrical calculations according to BNBC and NFPA standards, including circuit breaker and cable selection through load analysis.
- Expertise in Lightning Protection System (LPS).

### Instructor

#### BCI Engineering Institute

Jan 2023- Dec 2023

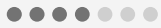
### Lecturer (Part-Time)

#### Trishal Central Technical & B.M. College

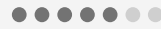
June 2018- Dec 2022

## OTHER SKILLS

Communication Skills



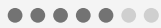
Leadership & Supervision



Problem Solving & Critical Thinking



Digital Marketing



Photo/Video Editing



Basic PLC, VFD, HMI



## EXTRACURRICULAR ACTIVITIES

- Executive Member of EEE Alumni Association, JKKNUI.
- Organizing manager of EEE Club JKKNUI
- Work as a volunteer in Different Event.
- Active Member of JKKNUI Career Club

## LANGUAGES

Bangla (Native)  
English (Professional Working Proficiency)

## REFERENCE

**Mahbubur Rahman**  
Managing Director  
Inflation Engineering Ltd.  
Cell: +8801978414252  
Mail: mahbubur\_rahman96@yahoo.com

**Dr. Md. Monirul Kabir**  
Professor  
Dept. of EEE, DUET  
Cell: +8801939355012  
Mail: munir@duet.ac.bd

## EDUCATION HISTORY

M.Sc. (Engg.) in EEE

**Dhaka University of Engineering & Technology**

August 2023- Oct 2025

- CGPA: 3.50/4.00, majoring in Power System.

B.Sc. (Engg.) in EEE

**Jatiya Kabi Kazi Nazrul Islam University**

Feb 2017 -May 2023

- CGPA: 3.41 out of 4.00

HSC in Science

**Islamia Govt. College, Sirajganj**

July 2014 -Aug 2016

- GPA: 4.33 out of 5.00.

SSC in Science

**Preetylata High School, Sirajganj**

Jan 2012 -May 2014

- GPA: 5.00 out of 5.00.

## THESIS/PROJECT

- Microstrip patch antenna that will be used for 5G networks using CST.
- Microstrip Patch Antenna at 2.4 GHz resonant frequency Using CST.
- Automatic Fire Alarm Using Fire Sensor Detector.
- Automatic Irrigation System Using Water Sensor.
- Automatic Theft Detection System Using PIR Sensor.
- IR Sensor Based Automatic Home Appliance Control System.

## COURSES & CERTIFICATION

- Industrial Automation**  
Bangladesh Automation Technology
- AutoCAD 2D, 3D & Electrical**  
Udemy
- Excel for Professional**  
BYLCx
- Computer Office Application**  
Technical Education Board
- Project Management**  
Management Strategy Institute

SIGNATURE