



MD. ARIFUL ISLAM

ELECTRICAL ENGINEER

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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

- i. Executive Member of EEE Alumni Association, JKKNIU.
- ii. Organizing manager of EEE Club JKKNIU
- iii. Work as a volunteer in Different Event.
- iv. Active Member of JKKNIU Career Club

LANGUAGES

Bangla (Native)

English (Professional Working Proficiency)

REFERENCE

Mahbubur Rahman

Managing Director

Inflation Engineering Ltd.

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Dr. Md. Monirul Kabir

Professor

Dept. of EEE, DUET

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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

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

COURSES & CERTIFICATION

1. Industrial Automation

Bangladesh Automation Technology

2. AutoCAD 2D, 3D & Electrical

Udemy

3. Excel for Professional

BYLCx

4. Computer Office Application

Technical Education Board

5. Project Management

Management Strategy Institute

SIGNATURE

