

Ashraful Alam

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Objective

Results-driven and highly motivated Electrical and Electronics Engineering graduate seeking a challenging position to utilize technical expertise and problem-solving skills in the field of power generation and electrical systems. Committed to enhancing operational efficiency and contributing to the success of a dynamic organization.

Education

2019
2023

Feni University
B.Sc. in Engineering

Discipline: Electrical and Electronics Engineering
CGPA: **3.67** out of 4

2015

Feni Govt. College
H.S.C.

Discipline: Science
GPA: **4.58** out of 5

2013

Feni Govt. Pilot High School
S.S.C.

Discipline: Science
GPA: **5** out of 5

Thesis

“Efficiency Enhancement of CIGS Solar Cell with the Use of V2O5 & CdTe”

2023

CIGS solar cell efficiency Increase using
OghmaNano.
Simulation includes:

- Effect of layer thickness on PCE;
- Effect of temperature and light intensity;
- Effect of the electron transport layer and hole transport layer.

Industrial Tour

Kumargaon Gas Power Plant, Sylhet

2018

- Participated in an educational industrial tour, gaining insights into power plant operations and technology from industry experts.
 - Engaged in enlightening power plant management talks, furthering understanding of plant functioning and infrastructure.
 - Interacted with knowledgeable staff, seeking insights into power plant operations and challenges.
 - Analyzed practical applications of engineering concepts in power generation settings.
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Certifications

Computer Basic and ICT Application Course

2019

July - December

Department of Youth Development, Ministry of Youth and Sports, Bangladesh

Co-Curricular Activities

Love for Science (A Voluntary Science Club)

2016

2018

Assistant General Secretary

Coordinated and organized engaging science talks and workshops for primary and high school students, fostering their interest in scientific concepts.

Software Skills

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|----------------------------------|--|
| • Matlab | • OghmaNano (solar cell simulation software) |
| • Microprocessor Emulator | • Pspice (electrical circuit optimization and simulation) |
| • MS Office | • Coding Language/ C++, Python, Bash, Tcl |
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References

1. Sami UI Hoque

Assistant Professor & Chairman
Faculty of Science & Engineering
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2. Md. Abdul Mannan

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