

# 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	<b>Feni University</b> <b>B.Sc. in Engineering</b>
2023	Discipline: Electrical and Electronics Engineering CGPA: <b>3.67</b> out of 4
2015	<b>Feni Govt. College</b> <b>H.S.C.</b>
	Discipline: Science GPA: <b>4.58</b> out of 5
2013	<b>Feni Govt. Pilot High School</b> <b>S.S.C.</b>
	Discipline: Science GPA: <b>5</b> 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:
	<ul style="list-style-type: none"><li>• Effect of layer thickness on PCE;</li><li>• Effect of temperature and light intensity;</li><li>• Effect of the electron transport layer and hole transport layer.</li></ul>

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## 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

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## Co-Curricular Activities

### Love for Science (A Voluntary Science Club)

2016

**Assistant General Secretary**

2018

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

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## Software Skills

- 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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Electronics Engineering, Feni  
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### 2. Md. Abdul Mannan

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