

MD JISHNA JIDAN MARUF

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TECHNICAL SKILLS

Programming Languages: Python, C++, MATLAB, etc.

Tools: PyroSim, AutoCAD, SolidWorks, MATLAB, etc.

Hard skills: Rac, etc.

PROFESSIONAL EXPERIENCE

Academic Instructor

January 2022 – May 2024

Saidpur, Bangladesh

Part-time Tutor

- Provide one-on-one and group tutoring in English and Mathematics to improve understanding and academic performance.
- Develop customized lesson plans, exercises, and practice materials based on student needs.
- Assess student progress and give constructive feedback to enhance learning outcomes.
- Guide students in developing effective study habits and exam strategies.

Pioneers Knitwears Bd LTD.

September 2024 – October 2025

Uttar Badda, Dhaka

Procurement Officer

- Purchasing goods and quality management

PROJECTS

Orifice

Own

- Designed and fabricated an orifice plate for flow measurement.
- Calculated flow rate using Bernoulli's equation.
- Measured pressure drop across the plate.
- Analyzed discharge coefficient and flow characteristics.

Fire Safety

Own

- Analyzed fire growth and sprinkler activation behavior in a shopping mall scenario.
- Studied heat release rate, temperature distribution, and smoke movement.
- Evaluated effectiveness of sprinkler system in controlling fire spread.
- Assessed fire suppression performance based on safety standards.

CO-CURRICULAR ACTIVITIES

Sports and Cultural Activities

- Participated in university sports events and competitions.
- Engaged in cultural programs and technical workshops.

Leadership and Volunteering

- Volunteered in community service initiatives.
- Assisted in organizing technical seminars and workshops.

EDUCATION

Bangladesh Army University of Science and Technology

2019 - 2024

Bachelor of Science in Mechanical Engineering (BSc in ME)

Saidpur, Bangladesh

Saidpur Government Science College

2005 - 2017

Secondary School Certificate (SSC), Higher Secondary School Certificate (HSC)

Nilphamary, Bangladesh