

Shoieb, CSCA™

Mechanical Engineer

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Summary

Successfully completed multiple science and engineering projects throughout the academic life. Led and worked in various small to medium groups for different projects and voluntary works. Interested in the field of production and supply chain.

Education

B.Sc. in Mechanical Engineering

2017-2020

CGPA: 3.05/4.00

Department of Mechanical Engineering, IUT, Bangladesh

Thesis: Thermo-economic and environmental study of solar water heating system for industries in Bangladesh

Supervisor: Sayedus Salehin

Higher Secondary Certificate in Science

2014-2016

GPA: 5.00/5.00

Rajuk Uttara Model College

Secondary School Certificate in Science

2012-2014

GPA: 5.00/5.00

Naogaon K.D Govt. High School

Industrial Attachments

- Substantial training on ‘**Operation and Maintenance of Thermal Power Plant**’ on Rajshahi training centre authorized by Bangladesh Power Development Board in 2019.
- Site visiting of different Power plants were conducted.
- Fire Control Management
- Coal, Diesel, Hybrid energy Powerplant working process learned

Academic Projects

- Cooling load analysis of IUT auditorium for central air conditioning system design.
- Design and control of "Automatic Thermo-Electric Cooler" with peltier module using temperature sensor and micro-controller (Arduino).
- Design of a shell and tube heat-exchanger.

- Design and thermodynamic analysis of a 130 MVA coal based thermal power plant. Energy and Exergy analysis of Barapukuria Coal based Thermal Power Plant.
- Technical Paper on "Finned-tube Heat-Exchanger".

Voluntary Organization

IMechE IUT Student Chapter Club

2019-2020

Head of Administration

Managing all the club documents, scheduling events, ensuring the smooth conduction of any meetings etc.

Language Skills

- Bangla (Native)
- English (Proficient)

Technical and Personal Skills

- Mechanical Drawing, Python, MATLAB, SOLIDWORKS, Microsoft Office (Word, Excel, PowerPoint)
- Teamwork, Leadership, Communication and Team Building skills, Efficient in Managing Time & Resources, Proficient in Writing Technical/Non-technical reports

Achievements

- **Ptak Prize Winner 2019-** ISCEA (International Supply Chain Education Alliance)
- **National Science Fair (3rd)** – Bangladesh National Science Fair 2012
- **Champion-** Bangladesh regional math Olympiad 2011

Additional Certificate

- **CSCA (Certified Supply Chain Analyst)**
ISCEA (International Supply Chain Education Alliance)

Reference

Sayedus Salehin

Assistant Professor

Department of Mechanical and Production

Engineering

Islamic University of Technology

(A subsidiary organ of Organization of

Islamic Cooperation, OIC)

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