



Md. Sazzad Hossain

B. Sc. In Mechanical Engineering

Address: MK Tower, B16/1, Shimultola, Savar, Dhaka

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Career Summary

Mechanical design engineer in research and development section Responsible for managing and executing the development of Refrigerator and air-conditioner. Major responsibilities include: 3D Product Design, Feasibility analysis of the product design, Analysis and development of Bill of Material(BOM), Analysis and development of Standard Operating Procedure (SOP), Production Process Development (for new products) and Production process line optimization for increasing production capacity.

Work Experience

Walton Hi-Tech Industries Ltd.
04 JUL 2015 - Present

Research Engineer (R&D Refrigerator & Air Conditioner)

■ Key Responsibilities

- Product Design & Analysis.
- Moldable Design for Plastic Parts.
- Feasible Sheet Metal Parts design.
- Technical Specifications analysis for foreign Mold ordering.
- Production process development and Implementation for new products.
- Production process and line optimization.
- Safety & Risk Management.
- Technical training about product.
- Project cost optimization
- Give Technical Support for Smooth Production

■ Key Projects Co-Ordinated

- Implementation of 12000 BTU/hr Non-Inverter Air-Conditioner.
- Implementation of 18000 BTU/hr Intelligent Inverter Air-Conditioner.
- Implementation of remote for 12000, 18000 BTU/hr Air-Conditioner.
- Replacement of 9.52 mm Condenser Copper tube to 7.00 mm Copper tube.
- Replacement of 0.13 mm thick Condenser fin to 0.10 mm thick Condenser fin.

Education

Khulna University of
Engineering & Technology
2010 - 2014

Cantonment Public School &
College, Rangpur
2008 - 2009

B. P. Government High School
Panchagarh
2006 - 2007

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING -2015

CGPA: 2.98 in the scale of 4.00

HIGHER SECONDARY CERTIFICATE - 2010

GPA: 5.00 in the scale of 5.00

SECONDARY SCHOOL CERTIFICATE - 2008

GPA: 5.00 in the scale 5.00

Research Experience

Undergraduate Thesis Research

Researches on Walton R&D Refrigeration & Air Conditioner

- Design, Construction and performance test of counter flow type cooling tower
 - Product design, assembly analysis, mold and die design analysis of Intelligent Inverter Air-Conditioner indoor and outdoor unit (patented by WALTON)
 - Thickness and Material Optimization of Air-Conditioner outdoor Unit
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Training

- Industrial Training at BITAC (Bangladesh Industrial Technical Assistance Center) Dhaka about maintenance and machining equipment
 - 15 Days training from TRUMPF, regarding TruPunch & TruBend Machine, (At Walton Hi Tech industries Ltd., Bangladesh)
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Software Skills

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|---------------------------|--|
| CAD Software | : Solid Works, Auto CAD, Blank Works, Forming Suit. |
| Rendering Software | : Keyshot, Blender. |
| Office Software | : Microsoft Word, Microsoft Excel, Microsoft Power Point, Microsoft Project. |
| Designing Software | : Adobe Photoshop. |
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Leadership & Achievement

1. Event Management of CADers (Computer Aided Designers) of KUET from 2013 to 2014.
 2. Members of Volunteers for "ICMIEE 2014" Conference held in KUET, Khulna.
 3. Successfully arranged "AutoCAD Workshop 2014" as a trainer in KUET.
 4. Successfully arranged "SolidWorks Workshop 2015" as a trainer in KUET.
 5. Member of Hall Committee (Cultural) of BBSMR Hall 2013-2014.
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Personal Information

Full Name : Md. Sazzad Hossain
Father's Name : Md. Jahid Hossain
Mother's Name : Mst. Nahid Parvin
Date of Birth : 06 June 1991
Permanent Address : Islambag, Ward No: 03, Panchagarh Sadar, Panchagarh
Nationality : Bangladeshi (by birth)
Gender : Male
Marital Status : Single
Religion : Islam

References

Dr. Md. Nawsher Ali Moral
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Dr. Sobahan Mia
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