

MOHAMMAD SAIFUL ISLAM RIFAT

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PROFILE

- > **Mechanical Design Engineer**, detail oriented in innovative design & problem solving, focused on R&D and manufacturing, covering plastic & metal parts of any mechanical project or electronic device. Extensive knowledge in surface design, finishing, injection molding, castings, sheet metal design with cost effective solutions.
- > **Product Manager**, passionate about taking a product concept from start to finished application. Excellent communication and interpersonal skills and a leader with proven results.
- > **Six years' experience**, in R&D, production and operation. Comprehensive knowledge with production planning, product manufacturing, industrial management and customer service.

WORK EXPERIENCE

JAN '17 – Present

Deputy Director

Walton Micro-Tech Corporation, Gazipur, Bangladesh

- Technical Project Manager of 19", 24", 32", 39", 43" LED TV R&D to manufacturing
- Lead the R&D, Production and QC team of above mentioned LED TV to achieve maximum quality production.

JAN '16 – DEC '16

First Senior Assistant Director

Walton Micro-Tech Corporation, Gazipur, Bangladesh

- Introducing 19", 24", 32" LED TV from R&D to manufacturing
- Co-ordinating R&D, Production and QC team of above mentioned LED TV for manufacturing & marketing

JUN '15 – DEC '15

Assistant Director

Walton Micro-Tech Corporation, Gazipur, Bangladesh

- Mechanical R&D of LED TV For Bangladesh Market
- Design, Simulation & Prototype making for Development of new LED TV

JAN '14 – MAY '15

Assistant Manager (Product Design & Development)

PRAN-RFL Group, Dhaka, Bangladesh

- Design, develop and prototype product concepts through hands-on prototyping and testing in the fields
- Moldable design for plastic products that are manufactured in Injection Molding & Blow Molding

NOV '11 – DEC '13

CAD Design Engineer

Bangladesh-Japan Institution of Technology Ltd, Dhaka, Bangladesh

- Understand the design requirements from the clients through direct communication over Skype/Phone Call
- CATIA V4 to V5 2D & 3D File conversion & archiving in remote PC using VPN according to client instruction for **Valmet Corp.** (Nov'11-Apr'12)
- 2D (both image & DWG format) to 3D & 3D to 2D file conversion, also modified & create new design according to client requirement for **METSO Pulp & Paper & Minerals Company** (May'12-Dec'13)
- Created Parts & Assembly files using Generative Shape Design (GSD), Part Design, Assembly Design module of Catia V5 with special care to surface design for **Matsuda Model Co. (Japan)** (May'12-Dec'13)

SKILLS

- > **Catia V5** (Generative Shape Design, Part Design, Assembly Design, Generative Structural Analysis, Mold Tooling Design, Drafting, Core & Cavity Design, Generative Sheet Metal Design, Sketch Tracer, Digitized Shape Editor)
- > **Solidworks** (Part Design, Assembly Design, Drawing, Solidworks Simulation, Scan to 3D)
- > **Autodesk Inventor** (Part Design, Assembly Design, Drawing)
- > **Autodesk Autocad** (2D & 3D)
- > **Geomagic Studio**
- > **Geomagic Design X**
- > **Keyshot**
- > **Microsoft Office** (Word, Excel, Powerpoint, Outlook, Access, OneNote)

Training Summary

Product & Mold Design

Topics- Product design and mold design with Catia V5, Autodesk Inventor, Solidworks, MasterCAM, CNC machining.

Institute- Advance technology & training centre, Dayagonj, Dhaka

Duration- 6 month

Autodesk Inventor 2008 Essentials, Intermediate & Advance

Topics- - Essentials, Intermediate & Advance level of Autodesk Inventor 2008

Institute- Technology today, Khulna

Duration- 6 month

EDUCATION

B.Sc. in Mechanical Engineering (2011)

Khulna University of Engineering and Technology

Higher Secondary Certificate (2006)

B.A.F. Shaheen College, Dhaka

Secondary School Certificate (2004)

Khilgaon Government High School, Dhaka

THESIS WORK

A Preliminary Study, Design and Construction of a Regenerative Shock Absorber.

Brief: The Project Optimizes study, design and construction of a regenerative shock absorber for vehicles.

Paper accepted for The 2nd International Conference on Mechanical Engineering and Renewable Energy(ICMERE-2013)

INTERESTS

Reading-Writing-Learning

Gardening

Cooking

Gaming

REFERENCES

Engr. Habib Iftikher Alam

Chief Co-ordinator, TV R&D (Mechanical)

Walton Micro-Tech Corporation

Cell no: 01678028786

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Engr. Shihab Shahriar

CEO

GURUCADD

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