



# Jamirul Habib Bappy

## Mechanical & Automotive Engineer

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### 🔗 CAREER OBJECTIVES

To attain the trust of the company using my skills in the field of Engineering, with my innovative planning, ideas and presentations, thus approaching a meaningful development for my career along with the cherished reputation of the organization. By contributing my best perseverance, dedication, confidence, smart work and discipline to the organization through my learning knowledge and skills.

#### AREA OF FUNCTIONAL EXPERTISE:

Design and Modeling, Fuzzy Logic for AI Braking System, CAD/CAM, Renewable Energy & CFD, ANSYS (fluent) for Analysis & thinking, Software and Engineering Documentation, Sales Engineering

### 📁 PROFESSIONAL EXPERIENCE

02/2021 – present  
Dhaka, Bangladesh

#### **BSRM (Bangladesh Steel Re-Rolling Mills Ltd)**

*Assistant Executive (Welding & Low Carbon Wires, Technical Team)*

- Doing Basic course of Welding under the supervision of BSRM Engineer.
- Giving technical support who are using BSRM wires product. (Electrode, MIG weld, Electrode machinery, Welding issue, Galvanized wire, Razor & Barbed wire.
- Product Development research and give regular feedback to our production team by QCR.
- Give requisition to production for the order basis.
- Using Salesebs and BSRM OMR software for doing order and others activities.
- Build up a good relation with Corporate customer(B2B), End-users, Retailer & Dealer.

10/2020 – 01/2021  
Dhaka, Bangladesh

#### **OQTIS CORPORATION**

*Project Co-ordinator*

- Worked as a coordinator of various projects & observing the progress.

02/2020 – 08/2020  
Gombak, Malaysia

#### **ENGINEERING WORKSHOP (IIUM)**

*Demonstrator for Turning (Lathe Machine)*

- Worked as a Demonstrator for turning lathe machine, which is mandatory course for all engineering students at my university.

06/2019 – 09/2019  
Dhaka, Bangladesh

#### **BMW SERVICE CENTRE (EXECUTIVE MOTORS LTD)**

*Junior Service Engineer (Internship)*

- Worked and learned in-depth about BMW's ISTA (Integrated Software Technical Application) software.
- Working with Test module, AC servicing, Coolant bleeding, Brake pad, Wheel balancing, 30-points service check, PDI, battery registration, Drive train etc.

## EDUCATION

2015 – 2020 Gombak, Malaysia	<b>Bachelor of Science (BSc in Mechanical &amp; Automotive Engineering)</b> <i>International Islamic University Malaysia (IIUM)</i> CGPA: 3.02 out of 4.00
2012 – 2014 Dhaka, Bangladesh	<b>Higher Secondary Certificate (HSC)</b> <i>Rajuk Uttara Model College</i> GPA: 5 (Golden)
2002 – 2012 Dhaka, Bangladesh	<b>Secondary School Certificate (SSC)</b> <i>Monipur High School</i> GPA: 5 (Golden)

## PROJECTS

09/2019 – 08/2020	<b>Final Year Project (FYP)</b> <i>Design and modeling of convergent-divergent nozzle and analysis of sudden expansion flows using microjet</i> <ul style="list-style-type: none"><li>Here I designed appropriate two-dimensional convergent-divergent nozzles by analyzing the standard turbulence model by ANSYS CFD (FLUENT) and analyze the effectiveness of the microjet control.</li></ul>
02/2019 – 06/2019	<b>Integrated Design Project (IDP)</b> <i>Light Multirole Trailer (LMT)</i> <ul style="list-style-type: none"><li>This is the trailer that can transport the fruit bunch from the plantation to collection point through multi-terrain road. This trailer can offload the fruit bunch from the trailer using a hydraulic jack.</li></ul> <b>Others</b> <i>Chain-less Bicycle, Gear Ratio Calculator, Passenger Car Structural Analysis and Design.</i>

## SKILLS

SOLIDWORKS	● ● ● ● ●	Matlab (Fuzzy Logic)	● ● ● ● ●
ANSYS (Fluent)	● ● ● ● ●	MS Office	● ● ● ● ●
Origin	● ● ● ● ●	Autodesk Fusion 360	● ● ● ● ●

## COURSES

### Core Subjects

Machine Designs, Mechanics of Materials, Manufacturing Process, Thermo-Heat-Fluid, Control System, Vehicle Structure Design, Power Train, Vehicle Dynamics & Chassis, Vehicle Electronics, Internal Combustion Engines, Engineering & Islamic Ethics & Management.

### Elective

Renewable Energy, Computational Fluid Dynamics (CFD)

## AWARDS

01/12/2019

### **Integrated Design Project (IDP)**

*International Islamic University Malaysia (IIUM)*

Second runner up in mechanical department

## CERTIFICATES

**Coursera Intro Autodesk 1**

1

**Coursera Intro Autodesk 2**

2

**Industrial Training**

*Internship*

## CURRICULAR ACTIVITIES

**Niche Debate  
Tournament**

**Quranic Language  
(Basic)**

**Tilawat**

**Study Circle  
Brotherhood**

## EXTRA CURRICULAR ACTIVITIES

- SRC Members (Islamization)
- Engineer`s Night
- Ummatic Weeks (Cultural Program)
- BSUM (Bangladesh Students Union Malaysia) (IT & Technical site)
- UNGS night
- EXS'CT day

## LANGUAGES

English



Bangla



Malay



## REFERENCES

**DR. SHER AFGHAN KHAN**, *Professor*, International Islamic University Malaysia  
sakhan@iium.edu.my, +60104259268

**SHAMIM AL AMIN**, *Co-Owner*, OQTIS Corporation  
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## DECLARATION

I do here by declare that all the provided information is true & validate.

**Jamirul habib bappy**