

# JAMIRUL HABIB BAPPY PERSONAL PARTICULAR

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## 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

#### **CORE & ELECTIVE COURSES**

Power Train, Vehicle Dynamics & Chassis, Vehicle Electronics, Internal Combustion Engines, Engineering Ethics & Management

ELECTIVE: Renewable Energy, Computational Fluid Dynamics (CFD)

#### **SOFTWARE SKILLS**

**SOLIDWORKS** 

**MATLAB (FUZZY LOGIC)** 

**ANSYS (FLUENT)** 

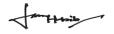
MS OFFICE

ORIGIN

I do here by declare that all the provided

information is true & validate.





## **CAREER OBJECTIVES**

To secure a challenging position in a reputable organization to expand my learnings, knowledge, and skills. Assist my skills and knowledge in every way possible as per the organization requirements. Where I Intend to secure a conductive and challenging opportunities attains and proves my expertise and excellence. By contributing my best to the organization through Perseverance, Dedication, Confidence, Smart work and Discipline.

## **EDUCATION**

Bachelor of Science (Mechanical Automotive Engineering) International Islamic University Malaysia (IIUM) CGPA: 3.02 (2015-2020)

#### **Higher Secondary Certificate (HSC)**

Rajuk Uttara Model College (Dhaka, Bangladesh) GPA: 5 (Golden) (2012 - 2014)

#### Secondary School Certificate (SSC)

Monipur High School (Dhaka, Bangladesh) GPA: 5 (Golden) (2002-2012)

### PRACTICAL EXPERIENCE

June 2019 – August 2019
Junior Service Engineer
BMW SERVICE CENTRE (INTERNSHIP)
(EXECUTIVE MOTORS LIMITED)
Work Description

- Worked and learned in-depth about BMW's ISTA (Integrated Software Technical Application) software.
- 30-points service check and how to do PDI for BMW vehicles.
- Working with Test module, AC servicing, Coolant bleeding, Brake pad, Wheel balancing, battery registration, Drive train etc.
- Prepared daily progress report in logbook and report directly to Supervisor.
- I got insight about how BMW technical campaign works to solve any critical problems related to BMW autos.

February 2020 - August 2020

**Demonstrator for Turning (Lathe Machine)** 

**Engineering Workshop (IIUM)** 

**Work Description** 

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

## PROJECTS I HAVE WORKED ON

Integrated Design Project (IDP):

**Light Multirole Trailer (LMT) (2nd runner up in mechanical department).** 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.

• Final Year Project (FYP):

Design and modeling of convergent-divergent nozzle and analysis of sudden expansion flows using microjet. 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.

Others: Chain-less Bicycle, Gear Ratio Calculator, Passenger Car Structural Analysis and Design.

#### REFERENCES

Dr. Sher Afghan Khan

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