



## JAMIRUL HABIB BAPPY

### PERSONAL PARTICULAR

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Birthday: 01 Dec 1997

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### AREA OF FUNCTIONAL EXPERTISE

- Design and Modeling
- Fuzzy Logic for AI Braking System
- CAD/CAM with Fusion 360 (Autodesk)
- 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

AUTODESH (FUSION 360)

MATLAB (FUZZY LOGIC)

ANSYS (FLUENT)

MS OFFICE

ORIGIN

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

Jamirul Habib

### PROFESSIONAL AIM

A mechanical engineer is specializing in all fields related to machines, kinematics, thermodynamics, and machine tools. Where I intend to secure a conducive and challenging opportunity attains and proves my expertise and excellence. By contributing my best to the organization through Perseverance, Dedication, Confidence, Smart work and Discipline.

### EDUCATION

2015-2020

**Bachelor of Science (Mechanical Automotive Engineering)**  
**International Islamic University Malaysia (IIUM)**

CGPA: 3.02/4.00

2012 - 2014

**Higher Secondary Certificate (HSC)**  
**Rajuk Uttara Model College (Dhaka, Bangladesh)**  
GPA: 5.00/5.00

2002-2012

**Secondary School Certificate (SSC)**  
**Monipur High School (Dhaka, Bangladesh)**  
GPA: 5.00/5.00

### 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 insights about how BMW technical campaign works to solve any critical problems related to BMW autos.

**March 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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Kulliyah of Engineering  
International Islamic University Malaysia  
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**Shuhan Ashrafee Rahman**  
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