

## Mr. ARMAAN R



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### Objectives

To work in an environment which encourages me to succeed and grow professionally where I can utilize my skills and knowledge appropriately.

### Educational Qualification

#### **B.E. Mechanical Engineering**

St. Joseph's College of Engineering, Chennai 2024  
CGPA: 8.75

#### **D.M.E. Mechanical Engineering**

Kongu Polytechnic College, Erode 2021  
Percentage: 92.6%

#### **SSLC**

Amala Matriculation Hr. Sec. School, Erode 2018  
Percentage: 80.4%

### Certifications

- Certified for cad modelling in Canada India Institutional Co-operation Project
- Certificate for Completion of QCAD Training During the year of 2022.
- Certified by Cambridge university with a grade A2 level during the year of 2022.
- Attended a six-day workshop on plastic design on CATIA in skill-Lync from 19.05.23 to 25.05.23.
- Certified for a Five-day workshop on 3D Printing in from 12.02.2024 to 16.02.2024.

### Area of Interest

- Strength of materials (Basics)
- Fluid Mechanics (Basics)

### Declaration

I do hereby confirm that the information given above is true to the best of my knowledge.

### Projects

#### ✓ **Pneumatic Jack for four-Wheeler**

The pneumatic jack is used in automation, which is placed under vehicles. It reduces the man work and lift the vehicle with the help of compressed air, solenoid valves are used to supply the air and pressure gauge is used to control the pressure of air.

#### ✓ **Design and Fabrication of Rope Cycle**

It differs from the typical rope cycle. It was powered by an electric motor that was attached to a battery and had the two primary components of a wheel and a pulley. It was portable and used to move from one end to the other.

#### ✓ **CI Engine Experimental analysis of orange peel biodiesel with emulsion of nano catalyst.**

The novel heterogenous Ni doped Al<sub>2</sub>O<sub>3</sub> is prepared by chemical preparation method. Further the nano catalyst is added with 25 and 50ppm. 3 Fuel blends are conducted on CI Engine and the performance and emission characteristics are compared with the diesel.

### Extra Curricular Activities

- ❖ For our college symposium, Aero plane model is fabricated and displayed in front of our department.

### Reference

#### **Mr. Ruskin Bruce A**

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R. Armaan