**SHAIK MOHAMMED WASIM**

**EDUCATION**

* **M.Tech** **Automotive Engineering**

**CGPA – 6.98 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **B.Tech** **Mechanical Engineering**

**CGPA – 7.21 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 86.8% **2019**

Institution:

* **Class 10** – 80% **2017**

Institution:

**PROJECTS**

**Design and Fabrication of trolly-mounted Tender Coconut Harvesting machine.**

In this paper, designed and developed a prototype of the trolly-mounted tender coconut harvesting machine. The design and drawing of the hydraulic ladder were made with Solid Works software. The theoretical analysis of the tractor-mounted hydraulic operated ladder was carried out by the finite element method, using Adams software for finding the stress and stability of the hydraulic ladder. It increases the harvesting or pruning efficiency and enhances the overall productivity of tender coconut.

**Performance & Emission Characteristics of Diesel Engine Fuelled With Corn-Based Ethanol.**

With this blend, thermal efficiencies improved and emissions decreased. It is suitable to be used as a sustainable alternative to Diesel fuel. Analyzed the Performance and Emission characteristics of Engines fueled with this Biofuel.

**MODELING OF SPRINKLER AND SIMULATION BY USING CFD IRRIGATION METHODS.**

The simulation of irrigation on sprinklers using CFD methods can save time and reduce the error factor analysis of design for the design manufacturer of Sprinkler irrigation. With the proper demand, the production of sprinklers locally would be stimulated thus lowering costs and better availability.

**DESIGN OF SPRINKLER AND ITS ANALYSIS**   
The results obtained from the survey have been summarized, and interpreted to develop valuable engineering data for the designing of a Sprinkler. Analysis has been carried out on the new sprinkler design and found to be efficient. The newly designed water sprinkler system has proven to be efficient, safe, and easy to use for a wide range of applications.

**TECHNICAL SKILLS**

NVH  
- Simulink  
- Python  
- Design Development  
- Ansys CFD

- MS Office

- AutoCAD

- CATIA

- Solid Works

- MATLAB

- Ansys Workbench

- Abacus

- Msc Adams

**INTERNSHIP**

**ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED**

- The period of Project/TRAINING is 2 Weeks Duration from 18-05-2018 to 31-05-2018

**CERTIFICATIONS**

Autosar Architecture from Udemy  
- Matlab Onramp from MathWorks  
- Simulink Onramp from MathWorks  
- Catia, Delmia, Simulia  
- Joining Technology for Metals from NPTEL, IIT Roorkee.

- Ansys CFD from Udemy

Autocad Catia SolidWorks from CANTERCADD Technologies PVT LTD

**LANGUAGES**

English, Hindi, Telugu, Urdu