



SABARINATHAN P

Final year Mechanical

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ABOUT

A dedicated Mechanical engineer who loves to solve problems of reality in simple and efficient ways and looking for opportunities to learn new things by experience.

EDUCATION

B.E MECHANICAL ENGINEERING

2019-2023

College Of Engineering, Guindy

Pursuing with a CGPA of 9.02/10

HIGHER SECONDARY (XII) , SCIENCE

2017 - 2019

Govt. Hr. Sec. School, Ganapathipalayam, Tirupur-641605

CGPA: 9.55/10, specialised in Physics, Maths and Chemistry.

SECONDARY SCHOOL (X)

2015 - 2017

Govt. Hr. Sec. School, Ganapathipalayam, Tirupur-641605

CGPA: 9.68/10

SOFTWARES

SOLIDWORKS 80%

CATIA V5 80%

AUTOCAD 50%

ANSYS 40%

INSPIRE 40%

KISSOFT 40%

MS OFFICE 85%

C/C++ 30%

PYTHON 35%

AREA OF INTEREST

Strength of materials

Metal cutting

GD&T

Product design

PROJECTS

DESIGN OF ROLLAGE FOR BAJA ATV

May 2020 - March 2021

Design and analysis of an entire Rollage structure for a BAJA single seater ATV based on the rules and guidelines provided by BAJA SAEINDIA with a Sound Driver Ergonomics and a good structural rigidity.

Tools used: Catia V5 - 3D modeling & Ergonomics, Ansys

DESIGN OF DRIVETRAIN SYSTEM FOR BAJA ATV

May 2021 - March 2022

Design, analysis and fabrication of 4WD Drivetrain system for BAJA ATV to meet the requirements to perform well in the various dynamic events.

Tools used: Solidworks, Kisssoft, Inspire

OPTIMIZATION OF DENTAL HANDPIECE

August 2021 - October 2022

Redesigned the air turbine dental handpiece to get increased the torque output.

Tools used: Solidworks

TRAITS

Team work

Leadership

Critical thinking

Time management

Consistency

Adaptability

Endurance

LANGUAGES

Tamil L S R W

English L S R W

Kannadam L S

PRACTICAL SKILLS

TIG welding

Lathe

HOBBIES

Music

Manufacturing process

CAD designing

INTERNSHIP

MECHANICAL DESIGN INTERN

Futaucon Tek Pvt Ltd

Designed a foot pedal jack as per the client's requirements for the product.

Tools used: Solidworks, Ansys

RESPONSIBILITIES

DRIVETRAIN LEAD

May 2022 - Present

We a team of 25 members currently designing an ATV for SAE INDIA BAJA 2023. In that I am responsible for the design the Drivetrain system (i.e Design, analysis, fabrication and testing of Powertrain and Drivetrain components) of the ATV.

VOLUNTEER ACTIVITIES

NATIONAL SERVICE SCHEME

August 2019 - July 2022

I am a volunteer in NSS Unit 2 of College of Engineering, Guindy and conducted medical camps, mental refreshment events for differently abled children.

DATA WHIZ EVENT

March 2021

We a team of 8 members conducted Data whiz event part of Kurukshetra an intra college technical event organised and conducted by students of CEG.

AERO MODELING EVENT

Febrauary 2020

We a team of 10 members conducted Aero modeling event part of Kurukshetra an intra college technical event organised and conducted by students of CEG.

EXTRA CURRICULAR ACTIVITIES

BALL BADMINTON - Represented my school in Ball Badminton in zonal level

CHESS - Represented my school in Chess in zonal level