



DINESH SS

STUDENT OF MECHANICAL ENGINEERING

CONTACT

+91 8667226259

dineshsssince2004@gmail.com

Chennai

EDUCATION

2022 - Present

COLLEGE OF ENGINEERING,
GUINDY

- Bachelor of Mechanical Engineering

EXPERTISE

- Management Skills
- Problem solving
- Critical thinking
- Leadership

SPECIALIST

- Applied Mechanics
- Aerodynamics
- Hydraulics & Pneumatics
- IC Engine & Applied Thermodynamics
- Transmission system design
- Manufacturing Technology
- Mechanical product design
- CAM & 3D printing
- Arduino & Raspberry pi

LANGUAGES

- English
- Tamil

WORK EXPERIENCE

- Senior Powertrain and Drivetrain member** Present
Team CEG Motorsports
 - Optimize the design of transmission system based on feedback from testing and real world performance.
 - Need to select appropriate component such as gear, chain, bearing and material for that components.
 - Once components are selected and designed, they need to be integrate into system.
- Junior Powertrain and Drivetrain member** 2023
Team CEG Motorsports
 - Design the mechanical transmission system including layout and sizing of components such as gears, shafts and bearings..
 - Calculations are performed to ensure that system can transmit the required power efficiently.
 - FEA and CAD software are used to simulate and optimize the performance .
- Co-ordinator** 2022- Present
Robotics club of CEG
 - Working on Arduino and Raspberry pi projects can be a rewarding experience, offering opportunities to delve into realms of electronics, programming and physical computing.
 - Working with Arduino and Raspberry pi providing hands on experience in electronics, programming and problem solving.

PROFESSIONAL

SOLIDWORKS

ANSYS

MATLAB

ALTAIR

INVENTOR

PYTHON

PROJETS

- Study on lifting and drag force of aerofoil
- Develop Remotely operated vehicle for underwater study
- Develop Paddle shifter for gear transmission using electro-pneumatics
- Study and simulate IC Engine using Ansys CFD
- Study on chip formation in various manufacturing operation