



DEPARTMENT OF MECHANICAL ENGINEERING

List of Final Year Projects Completed by Students

Academic Year: 2023-24

1. Design, fabrication and optimization of UAV Ornithopter
2. Rf Controlled Mecanum Wheel Forklift
3. Heating of Utensils using Peltier powered by Wind Turbine
4. Automatic airport baggage diverter system with QR
5. Cylinder deactivation for 4 cylinder engine
6. Design and Analysis of Step Impact Attenuator
7. Modification and Analysis of Truck Profile to prune Aerodynamic Drag & Increase fuel Efficiency
8. Design and Simulations of an AMT System
9. Design and Fabrication of a crop disease detection rover
10. Design and development of a rover mounted beta and gamma ray spectroscope
11. Renewable Water Desalination System
12. Watt walk: Fueling the future with every step
13. Fabrication of 360 degree drill flexible and portable machine
14. Design of Active Suspension with rheological fluids.
15. Hybrid Agricultural Weeder and Sprayer
16. Design of future mobility concept
17. Thermo-mechanical analysis of composite tank for cryogenic application
18. Design and development of an Automated forklift
19. Design and Prototyping of a mechanism for an adaptive nozzle
20. Design of IoT - Enabled Fleet Management System
21. IoT based Agriculture System
22. Performance analysis of alternative fuels in high compression SI engines



Shri Vile Parle Kelavani Mandal's

DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING

(Autonomous College Affiliated to the University of Mumbai)

NAAC Accredited with "A" Grade (CGPA : 3.18)



23. Research and Analysis of Performance parameters for different types of Fuels for an Internal Combustion Engine
24. Design and fabrication of Hydrogen synthesis system via electrolysis of water using green energy
25. Design, Analysis and Fabrication of Coated Rotors
26. Thermal analysis of lithium ion battery pack
27. Design and fabrication of robot for water body scavenging
28. Design and Manufacturing of Excavation Rover
29. Design and Development of a Multimodal Mobility Surveillance Bot
30. Design and development of an overhead exoskeleton
31. Object identification using microcontroller
32. Design, fabrication and optimization of electricity generating tile
33. Suspension-less UAV for surveillance and moisture level testing