



## DEPARTMENT OF MECHANICAL ENGINEERING

### List of Final Year Projects Completed by Students

#### Academic Year: 2024-25

1. Design & Fabrication of Currency Note Denotion Detection Device
2. Design and Fabrication of Deployable Heat Exchanger System for Small Spacecrafts
3. Investigation of energy efficient radiant cooling system for residential applications
4. Design automation of a single lift scissor mechanism
5. Design and analysis of portable air cooler
6. Autonomous Hazard Zone Vehicle
7. Multi Purpose Slitting Machine
8. Prototyping of habitat for extra terrestrial environment
9. In pipe inspection robot (IPIR)
10. Design & Analysis of Regenerative Suspension for a car
11. Design & Fabrication of automatic headlight control
12. Distillation and testing of tyre pyrolysis of oil as a fuel
13. Design and fabrication of motorized scissor jack
14. Design, Analysis and Fabrication of Morphed Wing
15. Design and Fabrication of Wind Tunnel
16. Design And Fabrication of Aero-Terrain Hybrid drone
17. Design, Analysis and Fabrication of FSAE Radiator
18. Thermal Management and Optimization in Data Centers
19. Design and Development of Active Aero Winglets for Sports Bikes
20. Research based project on smart materials
21. Design and fabrication of powder dispenser machine
22. Design and Analysis of Portable Physiotherapy Equipment
23. Research Over Hydrogen Fuel Cell



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)



24. Design of Evaporative Cooling System
25. Reliability Analysis of HVAC Systems used in Passenger Cars
26. Investigation of energy efficient radiant cooling system for residential applications
27. Design and Fabrication of a multipurpose drone