



DEPARTMENT OF MECHANICAL ENGINEERING

List of IPD Projects Completed by Students

Academic Year: 2023-24

1. Indoor air purifier
2. Design of Smart Shoes
3. Self-Aligning Bike
4. Regenerative Braking using capacitor and battery
5. Hydraulic Scissor Lift with hybrid actuation system
6. Smart Farming Systems
7. COMPACT & PORTABLE rainwater harvester
8. Double way automated hacksaw machine
9. Design of portable biogas generator from food waste generated at restaurants
10. Contactless mechanical transmission using magnets
11. Design of an active aerodynamic system of a car
12. Analysis of mechanical energy harvesting
13. Collaborative Robot
14. Automated Farmin using IoT
15. Line Following Robot
16. Pick and Place Robotic Arm
17. Portable Glass Rinser
18. IOT Based Sprinkler System
19. Multi Terrain Surveillance Vehicle
20. Design and Fabrication of automatic tyre inflation system
21. 5 DOF Robotic Arm for Light Weight Material Handling and Sorting Application
22. Skate board



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. Bending Tool
24. Solar Panel Cleaning Robot System
25. Design and Fabrication of Mobility device for lower body disorder people
26. Agricultural Drone for Weed Detection
27. Bot for seeds sowing, ploughing and spraying fertilizer
28. Fire Application Drone Security