

# EV & ROBOTICS PROJECTS

## Domain: Electric Vehicles (EVs)

1. Battery Management System for EVs
2. Solar-Powered Electric Car
3. EV Charging Station Design
4. Regenerative Braking System for EVs
5. Electric Scooter Prototype
6. IoT-Based EV Monitoring System
7. Smart Battery Health Analyzer
8. Wireless Charging for EVs
9. Autonomous EV Navigation System
10. EV Energy Efficiency Optimization
11. Smart EV Fleet Management Platform
12. EV Motor Torque Control System
13. EV Battery Swapping Automation
14. IoT-Enabled EV Charging Scheduling

15. Energy-Efficient EV Drive Controller

16. EV Dashboard With Real-Time Analytics

17. Smart Charging Management for Electric Bikes

18. EV Load Balancing System

19. Autonomous Parking for Electric Vehicles

20. EV Smart Inverter Control System

**Domain: Autonomous Vehicles & Drones**

21. Line-Following Autonomous Car

22. Obstacle Avoidance Drone

23. Self-Parking Car System

24. Autonomous Delivery Drone

25. Path Planning for Autonomous Vehicle

26. Drone Traffic Monitoring System

27. Real-Time Object Detection for Drones

28. GPS-Based Fleet Management System

29. Autonomous Agricultural Robot

30. AI-Powered EV Driver Assistance System

31. Drone-Based Surveying Platform

32. Multi-Drone Coordination for Logistics

33. Obstacle Avoidance Car Navigation System

34. Real-Time Drone Surveillance System

35. Autonomous Delivery Vehicle Prototype

36. Drone-Based Crop Health Monitoring

37. Autonomous Wheelchair Navigation System

38. Drone Traffic Signal Monitoring

39. AI-Powered Vehicle Route Optimization

40. Self-Driving Car Prototype Using Sensors

**Domain: Robotics – Industrial & Service**

41. Pick-and-Place Robotic Arm for Factory

42. Automated Welding Robot

43. Industrial Sorting Robot

44. Humanoid Robot With Voice Control

45. Robotic Hand for Prosthetics

46. Surveillance Robot With Camera

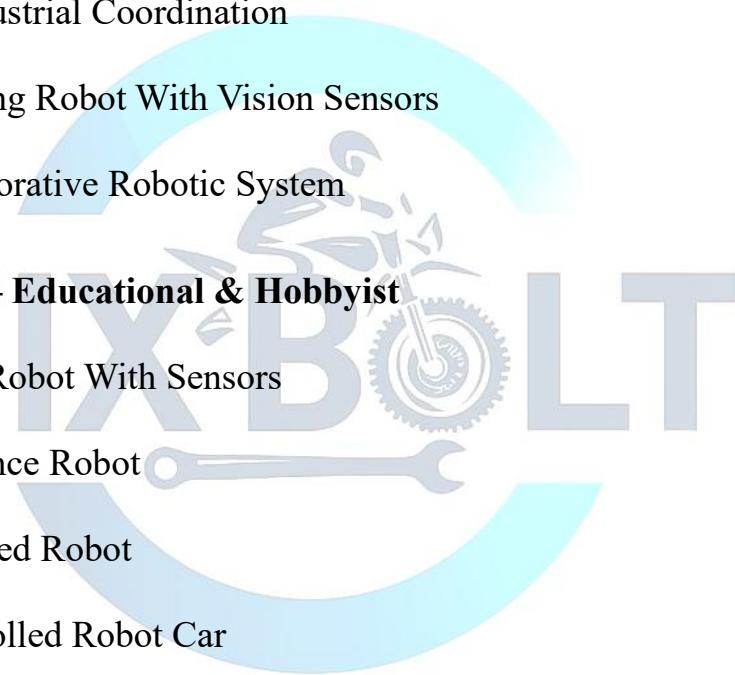
47. Warehouse Robot for Goods Handling

48. Collaborative Robot (Cobots) Demo

49. Robotic Vacuum Cleaner Prototype

50. Smart Robotic Assistant for Home

51. Robotic Arm With Force Feedback



52. Industrial Robotic Inspection Arm

53. Autonomous Warehouse Loader Robot

54. Humanoid Service Robot Prototype

55. AI-Powered Robotic Delivery Assistant

56. Smart Robotic Reception Assistant

57. Robotic Packaging Arm

58. Multi-Robot Industrial Coordination

59. Automated Sorting Robot With Vision Sensors

60. Industrial Collaborative Robotic System

**Domain: Robotics – Educational & Hobbyist**

61. Line Following Robot With Sensors

62. Obstacle Avoidance Robot

63. Gesture-Controlled Robot

64. Bluetooth-Controlled Robot Car

65. IoT-Controlled Robot Arm

66. Maze Solving Robot

67. Ball Balancing Robot

68. Voice-Controlled Mini Robot

69. Robotic Hand Tracking System

70. Arduino-Based Robotic Rover

- 71. Educational Robotic Arm Prototype
- 72. Mini Humanoid Robot for Learning
- 73. Remote-Controlled Surveillance Robot
- 74. Robotic Plant Watering System
- 75. Line Following Educational Robot
- 76. Obstacle Avoiding Mini Robot Car
- 77. Voice-Controlled Arduino Robot
- 78. Gesture-Controlled Robotic Hand
- 79. Educational Maze Solving Robot
- 80. Arduino-Based Smart Rover

**Domain: EV & Motor Control Systems**

- 81. BLDC Motor Controller for EVs
- 82. Smart Motor Drive System
- 83. Regenerative Energy Recovery System
- 84. Speed Control of Electric Vehicle
- 85. IoT-Enabled Motor Monitoring
- 86. PMSM Motor Controller Design
- 87. EV Torque Control System
- 88. Smart Inverter for EVs
- 89. Energy-Efficient Motor Control

- 90. Electric Bike Speed Regulator
- 91. DC Motor Control With Feedback
- 92. EV Traction Control System
- 93. Smart Motor Controller With IoT
- 94. Motor Fault Detection for EVs
- 95. Regenerative Braking Motor Controller
- 96. Smart EV Motor Dashboard
- 97. PMSM Motor Drive Optimization
- 98. IoT-Based Motor Temperature Monitoring
- 99. Electric Vehicle Motor Safety System
- 100. Adaptive Motor Control for EVs