

ROBOTIC PROJECTS LIST 2024

1. Solar Powered Autonomous Multipurpose Agricultural Robot Using Bluetooth
2. Design And Implementation Of GPS Control Environment Monitoring
3. Solar Powered Based Wireless War Filed Robot Over Internet Of Things
4. IOT Gas Pipe Leakage Detector Insect Robot Along With GPS Location Tracking
5. IOT Based Forest Fire Detection Autonomous Robot And Auto Controlling Using Zigbee Communication
6. Wireless Material Handling Pick And Place Robot For Industries Controlling Through IOT
7. Autonomous Solar Power Grass Cutter Robot With Status Update To IOT
8. IOT based Automatic Garbage collection Line following Robot for smart City with auto dumping.
9. Gesture control Smart Wheel chair with Multi security over IOT server updating
10. BLYNK IOT Application based Wireless Pick And Place ROBOTIC ARM for Industries.
11. IOT Smart Zone-Based Vehicle Speed Control And Avoid Accidents With Vehicle Auto Head Light Intensity Control
12. V2v System Congestion Control Validation And Performance Using CAN Communication
13. IOT based Advanced Railway Disaster relief Robot with Auto Security alert to Nearby trains with multiple Sensors and GPS
14. 7th Sense –A Multi-Purpose Robot For Military
15. Android Based Object Pick & Place Robot using Bluetooth Communication.
16. Nova Army Security Robot Contains Gun Head Rotation With Video Camera Display On Pc/Laptop
17. Obstacle Avoidance And Manhole Detection Electronic Travel Aid Robot For Blind
18. Touch Screen Based wireless Remote Controlled ROBOT
19. Solar Based Self Powered High Efficient Line Following Robot With Obstacle Avoidance
20. Solar Tracker Robot With Power Monitoring On LCD
21. Land Mines Detecting Robot Using RF Technology
22. Wireless (DTMF) Mobile phone Control Multipurpose Robot
23. MEMS Accelerometer Based Head Movement Controlled Firefighting Robot

24. War field wireless spying Robot with live human and explosive detection having sharp shooting weapon
25. Voice Controlled Robotic Vehicle for Industries
26. Android Military Spying & Bomb Disposal Robot
27. ZIGBEE Based Remote Controlled With Wireless Video Camera Mounted On It
28. MEMS Accelerometer Based Head Gesture Controlled wireless Robot
29. Wireless Fire Fighting Robot with weather Monitoring using Android Application
30. Advanced Fire Extinguisher Robot Controlling With Android Mobile Phone
31. Underground Mines Environment Detection and Auto voice alert Robot with environment sensors
32. EYE Blink count based Smart Robot for physically challenged peoples with fall detection SMS alert
33. Wireless TV Remote controlled Robot with ultrasonic obstacle avoidance with distance measure.



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MATLAB WITH HARDWARE

- MATLAB Face Detection And Recognition Based security Door control system with SMS alert.
- Wireless Material handling robot controlling through Zigbee by designing menu system in MATLAB.
- MATLAB GUI Controlled wireless pick and place robot using RF communication
- Development of MATLAB a based industrial/home device controlling with intensity based on wireless communication.
- MATLAB based Driver gaze tracking eyes of the road detection for highway vehicle security
- MATLAB Face detection and RFID based Multi security system for bank locker.
- Density based Traffic Signal control using MATLAB Image Processing with video.
- MATLAB Face detection based accurate Student attendance monitoring with auto SMS alert to the parents.
- DC motor speed controlling and monitoring using MATLAB GUI.
- Speed and direction controlling of stepper motor using MATLAB GUI.
- MATLAB GUI based wireless servo Motor control for Industries

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