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All IOT Projects List

1. Green leaf disease detection using Raspberry PI

2. IOT based Anaesthesia Machine Control using Raspberry Pi

3. Arduino Based Smart Energy Meter using GSM

4. Industrial Communication Networks and the Future of Industrial Automation

5. Arduino Based Smart Energy Meter using GSM

6. Charging Station for E-Vehicle using Solar with IOT

7. Design of an Internet of Things Environment Based on Hysteresis Control in a Photovoltaic Panel Controller for the Massive Use of Solar Electric Energy in Urban Areas.

8. Design of Portable Land Parameter Measuring Device

9. Diverse IOT Based Gadgets to Update a Moderate Condition of Farmers in India

10. Gas Level Detection and Automatic Booking Using IOT

11. Poster Abstract: IOT enabled Wi-Fi Indoor Positioning System using raster maps

12. IOT Device For Sewage Gas Monitoring And Alert System

13. IOT based Wireless Controlled Smart Transportation System

14. IOT Based Garbage Monitoring System

15. Low-Power Wide-Area Networks for Sustainable IOT

16. Web Monitoring and Speed Control Of Solar Based BLDC Motor With IOT

17. Massive Machine Type Communication and the Internet of Things

18. Improving supply chain visibility using IOT-internet of things

19. Network Access Control for the IOT: A Comparison between Cellular, Wi-Fi and LoRaWAN

20. Research on LED lightweight cryptographic algorithm based on RFID tag of Internet of things

21. Smart Poultry Farm Incorporating GSM and IOT

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22. The Design and Implementation of GPS Controlled Environment Monitoring Robotic System based on IOT and ARM

23. Implementation of Node Authentication Algorithm of In-Vehicle Network in Connected Car

24. Smart Environment Data Monitoring

25. Wireless Power Transmission for the Internet of Things (IOT)

26. IOT applications with robotics is an on-going revaluation which is in rapid development.

27. Development of an Energy Meter based on IOT

28. Design and Analysis of IOT based Air Quality Monitoring System

29. An IOT-Based Intelligent System for Real-Time Parking Monitoring and Automatic Billing

30. A Natural User Interface and Blockchain-Based In-Home Smart Health Monitoring System

31. Waste Management Improvement in Cities using IOT

32. Low Cost IOT Enabled Weather Station

33. IOT Based Emergency Health Monitoring System.

34. Design and Development of IOT Based Multi-Parameter Patient Monitoring System

35. Energy Efficient Wireless Communication for IOT Enabled Greenhouses

36. IOT based Soil Maintenance through Micro-Nutrients and Protection of Crops from Excess Water

37. Wheelchair control through eye blinking and IOT platform.

38. IOT and Wireless Sensor Network based Autonomous Farming Robot.

39. Indoor Intrusion Detection and Filtering System Using Raspberry Pi

40. Real Time Vehicle Detection, Tracking and Counting Using Raspberry-Pi

41. Object Tracking with Raspberry Pi using Histogram of Oriented Gradients (HOG) and Support Vector Machine (SVM)

42. Deep Learning Techniques for Obstacle Detection and Avoidance in Driverless Cars

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43. Automated Detection of Driving Pathway Using Image Processing

44. Automated Vision-based Surveillance System to Detect Drowning Incidents in Swimming Pools

45. Efficient Face Detection and Identification In Networked Video Surveillance Systems

46. Intelligent bicycle with IOT

47. IOT lamp for elderly assistance

48. IOT Voice based Smart Ceiling Fan Switch

49. IOT Remote bell

50. IOT based Smart lock

51. IOT Smart Mirror

- IOT Weather Reporting System using Adruino
- Wearable Computer With Temperature Distance Sensors
- Weather Imaging CubeSat with Telemetry Transmission
- IOT IV Bag Monitoring and Alert System
- IOT Water Pollution Monitor RC Boat
- Mountain Climber Health & GPS Tracker
- Contactless IOT Doorbell
- IOT Smart Parking Using RFID
- IOT Syringe Infusion Pump
- IOT Contactless Covid Testing Booth Automation
- IOT Social Distancing & Monitoring Robot For Queue
- IOT Covid Patient Health Monitor in Quarantine
- IOT based Manhole Detection and Monitoring System
- IOT based Smart Energy Meter Monitoring with Theft Detection
- IOT Virtual Doctor Robot
- IOT Weather Station Airship
- DIY 2G Android Phone with Gesture Interface
- IOT based Three Phase Power Failure Monitoring with SMS Alerts
- IOT based Intelligent Gas Leakage Detector Using Arduino
- IOT Dog Daycare Robot
- 360° Aerial Surveillance UAV With IOT Camera
- IOT Garbage Segregator & Bin Level Indicator
- IOT Temperature & Mask Scan Entry System
- IOT based Smart Agriculture Monitoring System Project
- IOT Based Automatic Vehicle Accident Detection and Rescue System

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- Gas Leakage Detection with Buzzer System using Atmega
- Greenhouse Monitoring and Control System using IOT Project
- IOT Based Coal Mine Safety Monitoring and Alerting System
- IOT Based Heart Monitoring System Using ECG
- IOT based Anti-theft Flooring System using Raspberry Pi
- Raspberry Pi based Weather Reporting Over IOT
- IOT Based Monitoring System for Comatose Patients
- IOT Early Flood Detection & Avoidance
- IOT Garbage Monitoring Using Raspberry Pi
- IOT Circuit Breaker Project
- Women Safety Night Patrolling IOT Robot
- IOT Mining Tracking & Worker Safety Helmet
- IOT Flood Monitoring & Alerting System
- IOT Prison Break Monitoring & Alerting System
- Raspberry Pi Air and Noise Pollution Monitoring System Over IOT
- IOT Energy Meter with Current, Voltage and Cost Monitoring System
- IOT Industry Protection System Arduino
- IOT Color Based Product Sorting Machine Project
- IOT Smart Energy Grid
- IOT Paralysis Patient Health Care Project
- IOT Car Parking System
- Smart Dustbin With IOT Notifications
- IOT Smart Mirror With News & Temperature
- IOT Garbage Monitoring With Weight Sensing
- IOT Asset tracking System
- IOT Based ICU Patient Monitoring System
- Biometric Attendance System Over IOT
- IOT Gas Pipe Leakage Detector Insect Robot
- IOT Irrigation Monitoring & Controller System
- IOT Electronic Door Opener
- IOT Home Automation Using Raspberry Pi
- IOT Alcohol & Health Monitoring System
- IOT Liquid Level Monitoring System
- IOT Garbage Monitoring System
- IOT Based Home Automation
- IOT Based Office Automation
- IOT Based Industry Automation
- IOT Weather Reporting System
- IOT Based Antenna Positioning System
- IOT Based Fire Department Alerting System
- IOT Solar Power Monitoring System
- IOT Streetlight Controller System

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- IOT Traffic Signal Monitoring & Controller System
- IOT Industry Automation Using Raspberry Pi
- IOT Underground Cable Fault Detector Project
- IOT Air & Sound Pollution Monitoring System
- Energy Meter Monitoring Over IOT
- IOT Based Person/Wheelchair Fall Detection
- IOT Patient Health Monitoring Project
- IOT Heart Attack Detection & Heart Rate Monitor
- IOT Based Toll Booth Manager System
- IOT Theft Detection Using Raspberry Pi

Embedded Major Project List

	IOT BASED APPLICATIONS
1	Iot Based Smart Street Lamp (Ssl) Control System.
2	An Automated Low Cost Iot Based Fertilizer Intimation System Forsmart Agriculture.
3	Towards The Implementation Of Iot For Environmental Condition Monitoring In Homes
4	Automated Irrigation System Using A Wireless Sensor Network And Gprs Module
5	Last-Meter Smart Grid Embedded In An Internet-Of-Things Platform
6	Iot Based Occupancy Monitoring Techniques For Energy Efficient Smart Buildings
7	Application Of Rfid Technology And The Maximum Spanning Tree Algorithm For Solving Vehicle Emissions In Cities On Internet Of Things
8	An Iot Based Fire Alarming And Authentication System For Workhouse
9	Iot Based Vehicle Parking Manager
10	Advanced Iot Based Combined Remote Health Monitoring, Home Automation And Alarm System
11	A Robust Security Framework For Cloud-Based Logistics Services
12	A Supervised Intrusion Detection System For Smart Home Iot Devices
13	Forest Fire Alerting System With Gps Co-Ordinates Using Iot
14	Iot Based Waste Bins Monitoring System In Smart Cityes.
15	Iot Based Electrical Device Surveillance And Control System
16	Power Theft Identification Systemusing Iot
17	Iot Based School Children Transportation System
18	The Design And Implementation Of Gps Controlled Environment Monitoring Robotic System Based On Iot And Arm.

	Women Safety Based Project	
19	A Novel Approach To Provide Protection For Women By Using Smart Security Device	
20	An Iot Based Multi-Parameter Data Acquisition System For Efficient Bio- Telemonitoring Of Pregnant Women At Home	
	Security Applications	
21	Implementation Of Real-Time Universal Digital Clock Using Gps Technology	
22	Rf Technology-Based Design Of User-Friendly Paper Presentation Control System By Using A Laser Light Pointer	
23	Smart Card Based Advanced Train Ticketing System	
24	Development And Implementation Of Automatic Trolley System For Disabled, Aged And Nursing Using Arduino	
25	Design Of Smart Walking Stick Combined With Home Automation For Blind People	
26	Robotic Bomb Detection And Disposal Application Using Arduino	
	Red Taction Based Application	
27	Measurement And Analysis Of Electric Signal Transmission Using Human Body As Medium For Wban Applications	
28	A Framework For The Design Of Cost-Effective Wireless Body Area Networks With Efficient Data Collection	
29	Wsn Based Ban (Body Area Network) Based Alerting System For Ealderly People.	
30	Design Of A Tele Medicine Remainder System	
	Gsm/Gps Based Projects	
38	Child Activity Recognition System	
39	A Car Security System Based On Gsm And Gps	
40	Elderly Fall Detection And Location Tracking System Using Heterogeneous Wireless Networks	
41	An Automatic Driver Drowsiness Alert System By Using Gsm	
42	Intelligent Safety Information Gathering System Using A Smart Blackbox	
43	A Wireless System Towards Gait Detection In Stroke Patients	
44	Intelligent Home Security System In Han In Smart Cityes	
45	A Novel Approach To Design A Stolen Vehicles Detection In Traffic Junctions	

46	Driver Gaze Tracking And Eyes Off The Road Detection System
	Wireless Communication Based Projects
47	Implementing Intelligent Traffic Control System For Congestion Control And Ambulance Clearance In Metro Cityes
48	Safty And Smart Helmat System For Bike Riders
49	Interactive Intellegent Shopping Trolly Using Rfid And Zigbee Technology
50	Remote Control System Of High Efficiency And Intelligent Street Lighting Using A Zigbee Network Of Devices And Sensors
51	Advanced Metering And Demand Response Communication Performance In Zigbee Based Hans
52	Implementation Of Logistics Management System Based On Wireless Technologies
53	Wsn Based Kitchen Monitoring System
54	A Smart Meter Design And Implementation Using Zigbee Based Wireless Sensor Network In Smart Grid
55	Zigbee Based Wireless Data Acquisition System For Underground Mines.
	Robotics Applications
63	Human–Robot Collaboration Based On Motion Intention Estimation
64	Smart Host Microcontroller For Optimal Battery Usage
65	Pick And Place Robot
66	Agri Robot For Multipurpose Applications
67	Atuonomous Robot For Grass Cutter For Lawn Maintenance
68	Automatic Patholes And Humpsdetection Robot
	Android Based Applications
69	Accessible Display Design To Control Home Area Networks
70	E-Menu Card System In Intelligent E-Restaurants In Smart Cityes
71	Intelligent E-Restaurant Using Android Os
72	Bluetooth Based Robotic Vehicle Movement Control System

73	An Implementation Of Mobile Control Room Environment In Android Platform For Industrial Applications	
	General Applications	
74	Waste Sagrigation System To Swacha Bharath	
75	Smart Walking Assistive Device For Blind People	
76	Automatic Pathhole Detection And Alert System	
77	Rain Operated Manholes In Smart Metro Cityes	
78	Development Of Pulse And Blood Pressure Monitoring System And Alert System	
79	A Smart Street-Light Intensity Optimizer	
80	Portable Roadside Sensors For Vehicle Counting Classification & Speed Measurement	
81	Secure Iot Platform For Industrial Control Systems	
82	Robust Railway Crack Detection System	
83	Automatic Drunken Driven Detecting System In Autonomous Vehicles	

Face Mask Detection And Temperature Sensor With IotNotification
Face Mask Detection And Rfid Attendance System
Rfid And Face Mask Attendance With Temperature MonitoringSystem With Iot
Face Mask Detection With Voice Alert
Smart Security For Entry Gate With Face Mask Detection AndTemperature Control
Face Mask Detector With Temperature Scanner For Covid -19
Real Time Face Mask Detection And Thermal Screening With AudioResponse For Covid-19 With Iot
Face Mask Enabled Hand Sanitizer
Face Mask And Temperature Detection Based Gate Open With Email Notification
Lifi Based Electrical Appliances Control
Lifi Based Sensors Data Monitoring System
Lifi Based Shopping Mall Information System
Lifi Based Highway Navigation System
Lifi Based Parameter Monitoring System For Space Applications
Lifi Based Underwater Communication
Lifi Based Data And Audio Communication

Name Of The Project
Live Video Monitoring Robot Controlled By Web
Esp32-Cam Robot Car
Esp32-Cam Video Surveillance Robot With Camera Rotation
Esp32- Cam Military Spying Robot
War Field Spying Robot With Camera Rotation
Intruder Detection And Send A Captured Image To Gmail
Esp32- Cam Smart Home Security System With Gmail Alert
Esp32-Cam Take Photo And Save To Sd Card
Wireless Wildlife Camera Capture And Email Alert
Intruder Home Security Alert To Telegram
Home Automation With Telegram App
Sensors Data Logger To Telegram Alert Using Esp32-Cam

Smart Door Lock From Telegram App With Esp32-Cam	
Smart Sanitizer With Face Recognition Attendance AndTemperature Reading	
Bomb Disposal Robot With Email Alert And Live Video Streaming	
Automatic Stop Gate At Bridges For Overflow	

EMBEDDED MINI PROJECTS

S.no	PROJECT TITLE
1.	Unmanned railway gate automation using geared DC motors using sensors
2.	Solar based lighting system with inverter and load
3.	Farmer friendly Solar based electric fence for rural agriculture
4.	Density based Traffic light control system
5.	Solar based cool cap (wearable electronics: feel the coolness, even in the sunlight)
6.	Solar based mobile charger for rural areas (Charge your mobile anywhere with sunlight)
7.	Solar highway lighting system with auto turn off on day time
8.	Totally computer monitored patients bed
9.	DTMF based appliances control system for rural and agricultural applications
10.	Design and implementation of maximum power tracking system by automatic control of solar panel direction accoridng to the sun direction (Model Sunflower)
11.	Coin operated milk dispensing system using IR sensor
12.	Automatic public tap control system using IR sensor to prevent wastage of water
13.	RF controlled advanced bike security system with voice alert to prevent unauthorized approach
14.	Intelligent pollution control system: Auto ignition cut off for automotive by detecting Carbon Monoxide level at vehicle's silencer with audio visual alert
15.	AT89S52 Microcontroller Based Speed control of DC motor using PWM Technique.
16.	High sensitive Alcohol sensor with auto car ignition disable function
17.	Embedded Automatic Two Gate interlock Control
18.	Automatic Intelligent Room Light Controller using
19.	Intelligent Fire Detector with automatic water sprinkler system / air blower to avoid fire Accidents
20.	High Sensitive LDR based Automatic night lamp with morning alarm
21.	Diamond security system in museums with loud siren
22.	Intelligent Automatic Street Light Control System using high sensitivity LDR
23.	Industrial electrical appliances control system using IR Remote
24.	Over / Under Line Voltage Protection for Electrical Appliances with auto cut off on fault conditions
25.	IR based intelligent Automatic washbasin / mirror lamp controller

EMBEDDED MINI PROJECTS

26.	Timer based industrial liquid pump controller with user defined time slots
27.	Intelligent Automatic Plant Irrigation System with water pump control based on soil moisture condition
28.	H- Bridge implementation for DC motor direction control for robotic applications
29.	automation of unmanned railway gate control system using 89s52 microcontroller
30.	Wireless petroleum level sensor using RF communication
31.	Radio frequency based remote Industrial Appliances control system
32.	Auto mute for car audio deck / audio system while talking on mobile phone
33.	Automatic car parking system using 89s52 microcontroller
34.	Automatic Active Phase Selector for uninterrupted load run in rural areas
35.	High sensitive metal detector for detecting metal objects (Better security system to detect terrorists / human bombs)
36.	Passive infrared based security with remote controlled activation and deactivation
37.	High sensitive LPG Sensor with gas leak alert buzzer
38.	Woman Robot (Inspired by nature: Don't touch me….She escapes from your touch, You can't catch her)
39.	Solar highway lighting system with auto turn off on day time
40.	Level indicator for petrol dispensing stations with audio alert system
41.	Assistive technology – implementation of high sensitive intelligent Blind Stick to assist visually challenged
42.	Pyro electric based Fire Alarm
43.	Tilt Sensor based Locker safety implementation
44.	Communicating to 89S52 MCU through windows hyper terminal using RS-232 communication
45.	Radio frequency based remote Industrial Appliances control system
46.	RF remote controlled metal detecting robot
47.	Automatic temperature based fan speed controller
48.	Wireless Electrical Apparatus Control System with Speed Control of AC motor in a plant using RF communication
49.	Wireless DC Motor speed and direction Control using RF communication
50.	RF based tsunami detection and remote alert system with 60dB siren
51.	DTMF based industrial automation and appliances control system (Control your

EMBEDDED MINI PROJECTS

	industrial appliances through a mobile phone from anywhere on the planet)
52.	Radio frequency based remote Industrial Appliances control system
53.	Automatic Dam Gate Control System with Caution Alarm
54.	Automatic speed control of vehicle at school zones using IR sensor
55.	Density based traffic light system with auto traffic signal transition for VIP vehicles / ambulance
56.	High sensitive Alcohol sensor with auto car ignition disable function
57.	RF controlled advanced bike security system with voice alert to prevent unauthorized approach
58.	Super sensitive Industrial Security System with Auto dialer and 60dB loud siren
59.	Highly sensitive biomedical digital heart beat monitoring system
60.	Advanced patient monitoring system (body temperature & heart beat) on PC using AT89S52 MCU
61.	Automatic brake failure and engine over heating indication
62.	RFID based banking system for secured transaction
63.	RFID security access control system
64.	RF Notice board
65.	RFID based Library Automation System
66.	PC based Appliances control in a plant (C-Language)
67.	Communicating to 89S52 MCU through windows hyper terminal using RS-232 communication
68.	PC Based stepper motor control for robotic applications
69.	PC Based DC Motor speed control
70.	PC Based Hi-Tech industrial automation with auto / manual modes of operation
71.	RF Controlled Metal Detecting Robot to assist bomb detection and rescue team
72.	Hand gesture based wheel chair movement control for the disabled using (Micro Electro Mechanical Sensor) MEMS technology
73.	RF Controlled Fire Fighting Robot with high pressure water sprinkler
74.	LPG Detecting Robot

EMBEDDED MINI PROJECTS

75.	Bluetooth based Robot Control for Metal Detection Applications
76.	Light Search and following robot
77.	Intelligent automatic podium light control system
78.	Automatic speed control of vehicle at school zones using IR sensor
79.	Advanced patient monitoring system (body temperature & heart beat) on PC using AT89S52 MCU
80.	Highly sensitive biomedical digital heart beat monitoring system
81.	Door opening alarm using magnetic sensor with AT89S52 MCU
82.	Automatic fire extinguishing fan blower with fire detection sensor using AT89S52 MCU
83.	IR based automatic mirror lamp controller using AT89S52 MCU
84.	Diamond security system in museums with loud 60dB siren using AT89S52 MCU
85.	PC based Appliances control in a plant (C-Language)
86.	Petrochemical Level Indicator and Controller for Automation of cotton purification process in spinning mills using 89S52 MCU
87.	Embedded Quiz monitoring system with team performance evaluation
88.	Programmable temperature monitor and controller for industrial boilers & ovens
89.	High sensitive LDR based power saver for street light control system
90.	Embedded Rigging free Electronic Voting System with instant results