

- 8+ Years of Excellence in IEEE Project development for universities across INDIA, USA, UK, AUSTRALIA, SWEDEN.
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**PONDICHERRY – VILLUPURAM – CUDDALORE – CHENNAI**

**IEEE PROJECTS LIST 2016-2017**

**EMBEDDED SYSTEM**

- 1) A Mobile Zigbee Module In A Traffic Control System
- 2) Application Of Distributed Wireless Chloride Sensors To Environmental Monitoring
- 3) Auto Calibrated Head Orientation Controller For Robotic-Wheelchair Using Mems Sensors And Embedded Technologies
- 4) Configurable Zigbee-Based Control System For People With Multiple Disabilities In Smart Homes
- 5) Embedded Control System For Smart Walking Assistance Device
- 6) Energy Efficient Outdoor Light Monitoring And Control Architecture Using Embedded System
- 7) Long Range Vlc Temperature Monitoring System Using Cmos Of Mobile Device Camera
- 8) Smart Traffic Light Control System
- 9) New Applications Of An Automated System Forhigh-Powerleds
- 10) Preprocessing Design In Pyroelectric Infrared Sensor-Based Human-Tracking System: On Sensor Selection And Calibration
- 11) Real-Time Patient Health Monitoring And Alarming Using Wireless-Sensor-Network

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- 12) Smart Real-Time Healthcare Monitoring And Tracking System Using Gsm/Gps Technologies
- 13) Development Of Traffic Control Algorithm In Smart Municipal Network
- 14) Research On Parallel Control Mechanism And Its Implementation In Atp
- 15) Fpga-Based Architecture For A Multisensory Barrier To Enhance Railway Safety
- 16) Remote monitoring of photovoltaic systems using embedded system clusters-MAY 2016
- 17) ZigBee network system for observing operating activities of work vehicles-FEB 2016
- 18) The Design of Building Fire Monitoring System Based on ZigBee-WiFi Networks-MAR 2016
- 19) A low complex spread spectrum scheme for ZigBee based smart home networks-JAN 2016
- 20) Interference-Mitigated ZigBee-Based Advanced Metering Infrastructure-FEB 2016
- 21) A Mobile ZigBee Module in a Traffic Control System-FEB 2016
- 22) Configurable ZigBee-based control system for people with multiple disabilities in smart homes-MAR 2016
- 23) Self-configuration and smart binding control on IoT applications-FEB 2016
- 24) Development of a distributed disaster data and human life sign probe system-MAR 2016
- 25) Improving the Locating Precision of an Active WIFI RFID System to Obtain Traceability of Patients in a Hospital-MAR 2016
- 26) Water Level Meter for Alerting Population about Floods-MAR 2016

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### **Arduino**

- 27) Android Based Monitoring Moisture Of Soil Using Low Cost Homemade
- 28) Zigbee Based Automatic Wireless Weather Monitoring System
- 29) Iot Based Greenhouse Monitoring System
- 30) Real Time Indoor Air Quality Monitoring System
- 31) Ultrasonic Array Sensors For Monitoring Of Human Fall Detection Using Iot

### **Bio-Medical**

- 32) Bio Medical Based Design And Implementation Of Ecg Monitoring And Heart Rate Measurement System
- 33) Android Mobile Based Bio Medical Implementation Of Ecg Monitoring

### **Electrical Embedded**

- 34) Wireless Multifunctional Electronic Current Transformer Based On Zigbee-Based Communication
- 35) Electricity Theft Detection In Low Voltage Networks With Smart
- 36) Digital Data Transmission By Using Phase-To-Phase Communication For Monitoring Data System

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- 37) Piezoelectric Energy Harvesting And Management In Wsn Using Internet Of Things
- 38) Smart Electricity Meter Data Intelligence For Future Energy Systems

### **Embedded**

- 39) Hmm-Based Speech Segmentation: Improvements Of Fully Automatic Approaches
- 40) A Real-Time Embedded System For Monitoring Of Cargo Vehicles Using Controller Area Network (Can)
- 41) Four Wheeler Thefts Avoiding Within The Border Using Rssi Device
- 42) Impact Of Vlc On Light Emission Quality Of White Leds
- 43) Smart Traffic Light Control System
- 44) Smart Board For Classrooms Using Arm Controller
- 45) Emergency Traffic Control System Using Android
- 46) Human Theft Based Intelligent Display Auto –Lock For Mobile Device
- 47) Automatic Incident Detection And Notification System Using Smart Mobile Sensor Based Vision For Blind People
- 48) A Mobile ZigBee Module In a Traffic Control System
- 49) Application of Distributed Wireless Chloride Sensors to Environmental Monitoring: Initial Results
- 50) Auto Calibrated Head Orientation Controller for Robotic-Wheelchair Using MEMS Sensors and Embedded Technologies

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- 51) Configurable ZigBee-based Control System for People with Multiple Disabilities in Smart Homes
- 52) Embedded control system for smart walking assistance device
- 53) New Applications of an Automated System for High-Power LEDs
- 54) Smart Real-Time Healthcare Monitoring and Tracking System using GSM/GPS Technologies
- 55) Smart Traffic Light Control System
- 56) Smart Real-Time Healthcare Monitoring And Tracking System Using Gsm/Gps Technologies
- 57) Rfid-Based Book Finder
- 58) Water Level Meter For Alerting Population About Floods
- 59) Fall Detection And Prevention Control Using Walking-Aid Cane Robot
- 60) Wireless Gas Leak Detection And Localization

## **IOT**

- 61) Regulation Of Water In Agriculture Field Using Internet Of Things
- 62) Smart Parking System Using Iot
- 63) Patient Monitoring System Based On Internet Of Things

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- 64) Iot Based Street Light Monitoring
- 65) Internet Of Things For Underground Drainage And Manhole Monitoring System For Metropolitan Cities
- 66) Internet Of Things Development Of Data Acquisition And Greenhouse Control System Based On Gsm
- 67) Monitoring Precision Agriculture Monitoring System Based On Sensor Networks By Using Iot
- 68) Iot Based Fuel Level And Vehicle Location Monitoring System
- 69) Internet Of Things Based On Automatic Drip Irrigation System On Sensing
- 70) Internet Of Things For Implementation Of Border Crossing Alert System

### **Matlab Embedded**

- 71) A Blind-Zone Detection Method Using A Rear-Mounted Fisheye Camera With Combination Of Vehicle Detection Methods
- 72) A Low Cost Signal Acquisition Board Design For Myopathy's Emg Database Construction
- 73) Design And Implementation Of A System Access Control By Rfid

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## Robotics

74) Designing And Implementation Of A Pick And Place Robot

75) Designing And Implementaton Of Robotics Fish

76) Robotic Arm Using Leap

77) Design And Implementation Of A Stair Case Robot

78) Design And Development Of Metal Detecting Robots

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