Embedded Systems Projects

I. Embedded based ANDROID Mobile Systems


II. Embedded based BIO-MEDICAL Systems

2. Run-To-Run Control and Case-Based Reasoning based Insulin Bolus Advisor for Diabetic patients (IEEE 2015).
7. Microwave sensor based analysis for non-invasive glucose measurements and design (IEEE 2015).

III. Embedded based Mobile Communication Systems


IV. Embedded based WIRELESS System

1. Design of Wireless electric vehicle charging via capacitive power transfer through a conformal bumper (IEEE 2015).
4. Design for Low vision people to work at Industry using RFID technology (IEEE 2015).
5. Analysis of Electrical Parameters In Industries Through Pc Using Wireless Data Communication. *(IEEE 2015).*

6. A low complex system for the measurement and detection of faulty Street lights. *(IEEE 2015).*


9. An Intelligent Public transportation using M2M architecture (Bus Ticketing) *(IEEE 2015).*

10. Embedded Web server based Water Management system using Dynamic IP in Real Time *(IEEE 2015).*

V. **Embedded based ROBOTICS**

1. Data Acquisition system for unmanned vehicle in underwater Environment using wirless networks *(IEEE 2015).*

2. Neural Network based Control System for a Robot Navigation *(IEEE 2015).*


4. Weed Detection System and Smart Herbicide Sprayer Robot for Agriculture fields *(IEEE 2015).*

5. Artificial intelligent based speech Enabled Robotic technology *(IEEE 2015).*

6. Portable & low complex Surface cleaning robot using Blowers and Electromagnet *(IEEE 2015).*

7. Intelligent Silent Spybot Design using Gestures control systems *(IEEE 2015).*

8. Soil Condition Monitoring using Advanced Intelligent Robot *(IEEE 2015).*

9. Portable Road analyzing Robot *(IEEE 2015).*
VI. *Embedded based SENSORS*

1. Portable Embedded system Design for passenger car road safety *(IEEE 2015).*
2. Milk analysis based embedded system control for dairy farmers *(IEEE 2015).*
3. Mine Gas monitoring data based on sensor Web *(IEEE 2015).*
4. ARM based intelligent system design for monitoring and controlling of the Grain condition *(IEEE 2015).*
5. Portable Bus Navigation system for blind people using RFID *(IEEE 2015).*
8. Rose Greenhouses Monitoring using wireless sensors Technology *(IEEE 2015).*

VII. *Embedded based ENERGY MANAGEMENT Systems*

1. Design of a Photovoltaic–Thermoelectric Performance Analysis and Simulation Results *(IEEE 2015).*
2. Wireless power based mobile devices supporting inductive and resonant operating modes *(IEEE 2015).*
3. Design of Capacitive piezo electric transducer for high-Q micromechanical AIN resonators *(IEEE 2015).*
4. Portable photovoltaic pumping system using MPPT Techniques *(IEEE 2015).*
5. Multi sensor Intelligent Damage Detection for Wind Turbines using MEMS *(IEEE 2015).*
6. Solar-wind hybrid power system using MPPT and fuzzy logic. *(IEEE 2015).*

VIII. Embedded based SECURITY Systems

2. Eyes off the Road Detection System by driver eye movement analysis (IEEE 2015).

IX. Embedded based HUMAN-MACHINE Systems

X. **Embedded based IMAGE PROCESSING**

2. Car Number Plate Identification Using Artificial Neural Network (IEEE 2015).

XI. **Embedded based INTELLIGENT System**

4. Real Time Detection and Notification of Potholes and Humps on Roads to Aid Drivers (IEEE 2015).
XII. Embedded based RASPBERRY-PI

1. A Enhanced global industrial monitoring through wireless communication using Rasperry Pi (IEEE 2015).