Embedded Systems Projects

I. **ANDROID based on Embedded System**

2. Electrocardiogram and oscillo metric Blood Pressure measurements using Arterial pressure estimation in simultaneous. (IEEE 2015)
6. Snap n' shop of Mobile shopping based Visual search made a breeze by machine and crowd intelligence(IEEE 2015)

II. **BIO-MEDICAL based on Embedded System**

2. Embedded Run-To-Run Control and Case-Based Reasoning Based on Advanced Insulin Bolus Advisor.(IEEE 2015)
6. Enhancing sensor connectivity and data interoperability of the patient-centric mobile healthcare system. *(IEEE 2015)*
7. Novel linear in Microwave sensor for non-invasive glucose measurements. *(IEEE 2015)*
9. widespread Healthcare Monitoring Based on NFC. *(IEEE 2015)*

**III. MOBILE COMMUNICATION based on Embedded system**

1. Bus query system on the application of Zigbee technology. *(IEEE 2015)*
2. Wireless Load Control and Monitoring Based on GSM along with Voice Response System. *(IEEE 2015)*
3. School Children Safety Enhancement Transporation System Based on RFID. *(IEEE 2015)*
4. GSM Communication Automation of Petrol Bunk with prepaid cards *(IEEE 2015)*

**IV. WIRELESS based on Embedded System**

1. capacitive Charging via power transfer through a conformal bumper in Wireless electric vehicle *(IEEE 2015)*
4. RFID technology based on the Design and implementation of visually impaired to work in industry *(IEEE 2015)*

6. Wireless street lighting system on a low-Cost and non invasive system for the measurement and detection of faulty streetlights. (IEEE 2015)


8. A residential PV system having a low-cost power line communication(PLC) on User-friendly monitoring system. (IEEE 2015)


V. ROBOTICS based on Embedded System

1. unmanned vehicle in underwater environment and Data Acquisition system for Embedded wireless. (IEEE 2015)

2. Control Tracked Robot based on Neural Network System. (IEEE 2015)


7. A timid spybot Based on Gesture signals processing. (IEEE 2015)


9. Robot Based on Automatic Road analyzing. (IEEE 2015)
VI. **SENSORS based on Embedded system**

1. Road safety based on embedded system in passenger car. *(IEEE 2015)*
2. Design of Dairy farmers based on a milk analysis in embedded system. *(IEEE 2015)*
4. ARM based Monitoring and controlling of the Grain condition for Intelligent system *(IEEE 2015)*
5. RFID based Blind people Bus detection system. *(IEEE 2015)*

VII. **ENERGY MANAGEMENT based on Embedded System**

1. Photovoltaic–Thermoelectric of Performance Analysis and Simulation Results for Feasibility. *(IEEE 2015)*
2. Mobile devices supporting inductive and resonant operating modes of Wireless power systems *(IEEE 2015)*
3. High-Q micromechanical AIN resonators Based on Capacitive piezoelectric transducer. (IEEE 2015)

4. Pumping system based on MPPT Photovoltaic technique (IEEE 2015)


6. MPPT control on fuzzy logic in solar-wind hybrid power system. (IEEE 2015)

7. Demand prediction and Zigbee network in Home energy management system. (IEEE 2015)


VIII. SECURITY based on Embedded System

1. ATM having Low resolution video for enhancing Unusual event detection. (IEEE 2015)

2. Road Detection System Based on Driver Gaze Tracking and Eyes Off. (IEEE 2015)


IX. BIOMETRIC & HUMAN-MACHINE SYSTEMS based on Embedded System

1. Fingerprint authentication with minutiae having Ridge feature extraction on Biometric (IEEE 2015)


3. Fractional coefficients of Palm print and Iris traits using Walsh, Haar and Kekre transforms in Bimodal biometric identification (IEEE 2015)


6. ECG Based Biometric Recognition in Joint Feature Extraction and Classifier. (IEEE 2015)

**X. IMAGE PROCESSING based on Embedded System**


2. Identification Neural Network and Wavelet Transformed Feature Selection Based on License Plate (IEEE 2015)


6. Interfacing of stereo vision-based smart glasses in Hand segmentation and fingertip detection (IEEE 2015)


**XI. INTELLIGENT SYSTEM based on Embedded system**


3. Advanced RISC Machines (ARM) based Intelligent Vehicle System for Driver Assistance using Control Area Network (CAN) (IEEE 2015)

4. Potholes and Humps on Roads to Aid Drivers on Automatic Detection and Notification (IEEE 2015)
XII. **RASPBERRY-PI based on Embedded system**


2. Motion detection based on Raspberry pi using an internet of things approach *(IEEE 2015)*