## **Embedded Systems IEEE Base papers 2009-2010**

http://www.mycollegeproject.com/Embedded\_Linux\_Projects.html

A CAN protocol based embedded system to avoid rear-end collision of vehicles (IEEE 2015)

A Low Cost Smart Irrigation Control System (IEEE 2015)

A Non Invasive Method for Calculating Calories Burned during Exercise using Heartbeat (IEEE 2015)A Prototype for Agricultural Intrusion Detection Using Wireless Sensor Network (IEEE 2015)

A RFID Sensor for Corrosion Monitoring in Concrete (IEEE 2015)

A Smart System Connecting e-Health Sensors and the Cloud (IEEE 2015)

A Wireless Tracking System for At-home Medical Equipment during Natural Disasters (IEEE 2015)

A Zigbee-Based Animal Health Monitoring System (IEEE 2015)

Accelerating Real-time Face Detection on a Raspberry Pi Telepresence Robot (IEEE 2015)

Advanced Vehicle Monitoring and Tracking System based on Raspberry Pi (IEEE 2015)

An implementation of digital advertising board using mini PC (IEEE 2015)

An Internet of Things Approach for Motion Detection using Raspberry Pi (IEEE 2015)

ARM Based Remote Monitoring and Control System for Environmental Parameters in Greenhouse (IEEE 2015)

Attendance Management System using Raspberry Pi (IEEE 2015)

Automatic Detection of Squats in Railway Track (IEEE 2015)

Autonomous Camera based Eye Controlled Wheelchair system using Raspberry-Pi (IEEE 2015)

Battery Monitoring System by Detecting Dead Battery Cells (IEEE 2015)

Bluetooth enabled printer adapter using raspberry pi (IEEE 2015)

Cloud Based Intruder Detection System (IEEE 2015)

Combined Zigbee & GSM approach for AMR in Harmonic Monitoring and Assessment on Smartphone (IEEE 2015)

Computer Vision Based Vehicle Detection for Toll Collection System Using Embedded Linux (IEEE 2015)

Cost-efficient universal	Approach for	Remote Meter	Reading	<b>Using Web</b>	Services and	Computer	Vision	(IEEE
2015)								

<u>Data Collector Service - Practical Approach with Embedded Linux (IEEE 2015)</u>

<u>Design & Development of Daughter Board for Raspberry Pi to support Bluetooth Communication using UART (IEEE 2015)</u>

<u>Design and Development of Daughter Board for USB-UART Communication between Raspberry Pi and PC (IEEE 2015)</u>

Design and implementation of a reflection pulse oximeter in tele-monitoring system (IEEE 2015)

Design and Implementation of Anti-theft ATM Machine using Embedded Systems (IEEE 2015)

Design And Implementation of Real Time Web Based Geographic Polution Monitoring System (IEEE 2015)

Design and Implementation of Water Environment Monitoring System using GSM Technology (IEEE 2015)

Design and Operation of Wi-Fi Agribot Integrated System (IEEE 2015)

Design of a Control System for a Fresh Air conditioner (IEEE 2015)

Detection of Respiratory Signals According to Different Positions Using Acceleration Sensor (IEEE 2015)

Development of a Blood Pressure Monitoring System for Home health Application (IEEE 2015)

Development of Cloud Based Light Intensity Monitoring System Using Raspberry Pi (IEEE 2015)

<u>Development of Home Automation System via Raspberry Pi (IEEE 2015)</u>

<u>Development of Tele-Alarm and Fire Protection System using Remote Terminal Unit for Nuclear Power Plant</u> (IEEE 2015)

dsPIC-based Advanced Data Acquisition System for Monitoring, Control and Security Applications (IEEE 2015)

ECG Monitoring Using Android Mobile Phone and Bluetooth (IEEE 2015)

Fall alarm and inactivity detection system design and implementation on Raspberry Pi (IEEE 2015)

Forest Fire Detection System Reliability Test Using Wireless Sensor Network and OpenMTC Communication Platform (IEEE 2015)

From RGB led laboratory to servomotor control with websockets and IoT as educational tool (IEEE 2015)

Gesture Recognition Using Real Time EMG (IEEE 2015)

Globally Accessible Machine Automation Using Raspberry Pi (IEEE 2015)

Intelligent Interface Based Speech Recognition for Home Automation usi	ng And	droid Ap	plication (	<b>IEEE 2015</b>
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Internet of Things-based Temperature Tracking System (IEEE 2015)

Low Cost Radio frequency Controlled Robot for Environmental Cleaning (IEEE 2015)

Low Cost Real-Time System Monitoring Using Raspberry Pi (IEEE 2015)

Multi Control Chandelier Operations Using XBee for Home Automation (IEEE 2015)

Non-Contact Rail Track Parameter Measurement (IEEE 2015)

Object Tracking by PI Control and Image Processing on Embedded Systems (IEEE 2015)

Portable Heart Rate Measurement for Remote Health Monitoring System (IEEE 2015)

<u>Position Control of a Bidirectional Moving Magnet Actuator Based on Contactless Hall-Effect Transducer (IEEE 2015)</u>

Raspberry PI Based Global Industrial Process Monitoring Through Wireless Communication (IEEE 2015)

Raspberry PI Controlled SMS-Update-Notification (Sun) System (IEEE 2015)

Raspberry Pi for Automation of Water Treatment Plant (IEEE 2015)

Real Time Vehicle Monitoring and Tracking System based on Embedded Linux Board and Android Application (IEEE 2015)

Real-Time Implementation of Low Cost ZigBee Based Motion Detection System (IEEE 2015)

Remote Lab Implementation on an Embedded Web Server (IEEE 2015)

RoboSantral An autonomous mobile guide robot (IEEE 2015)

Scheduler and Voice Recognition on Home Automation Control System (IEEE 2015)

Smart Drip Irrigation System using Raspberry pi and Arduino (IEEE 2015)

Smart Phone Based Robotic Arm Control Using Raspberry Pi Android and Wi-Fi (IEEE 2015)

Smooth Switching Controllers for Reliable Induction Motor Drive Operation after Sensor Failures (IEEE 2015)

Solar Powered Android-Based Speed Control of DC Motor via Secure Bluetooth (IEEE 2015)

Speed control of BLDC Motor with Four Switch Three Phase Inverter using Digital Signal Controller (IEEE 2015)

The Design and Implementation of A GSM Based User-Machine Interacted Refrigerator (IEEE 2015)

<u>The</u>

Raspberry Pi Controlled Multi-Environment Robot For Surveillance & Live Streaming (IEEE 2015)

The Real Time Monitoring of Water Quality in IoT Environment (IEEE 2015)

Towards Building an Accurate Low-Cost Biofeedback Platform using Force Sensors (IEEE 2015)

Ultrasonic Array Sensors for Monitoring of Human Fall Detection (IEEE 2015)

Wearable Soft Artficial Skin for Hand Motion Detection with Embedded Microfludic Strain Sensing (IEEE 2015)

Web based Automatic Irrigation System using wireless sensor network and Embedded Linux board (IEEE 2015)

Web server for command, control and monitoring of industrial equipment (IEEE 2015)
Wireless Colour Sensing Arm Robot (IEEE 2015)

<u>Wireless Sensor Based Home Automation as an Educational Springboard (IEEE 2015)</u>

<u>A power supply topology operating at highly discontinuous input voltages for two-wire connected control devices in Digital Load-Side Transmission (DLT) systems for intelligent lighting (IEEE 2015)</u>

Smart home implementation based on Internet and WiFi technology (IEEE 2015)

WiFi based communication and localization of an autonomous mobile robot for refinery inspection(IEEE 2015)