

## M-Tech IEEE projects list - 2010-11

- SET-698.** Pedestrian Navigation System with Fall Detection and Energy Expenditure Calculation. **(IEEE-2011)**
- SET-708.** Wireless Communications and Control Module of a Web-Enabled Robot for Distributed Sensing Applications. **(IEEE-2011)**
- SET-655.** Design and Implementation of Intelligent Urban Irrigation System. **(IEEE-2011)**
- SET-650.** A Novel Light-Sensor-Based Information Transmission System for Indoor Positioning and Navigation **(IEEE-2011)**
- SET-695.** Dual-Microcontroller Based GPRS Data Transmission Control System Design. **(IEEE-2011)**
- SET-425.** Wireless electronic tourist guide system based on microcontroller. **(IEEE-2011)**
- SET-678.** Monorail Car's Wireless Control System based on Smartphone Platform **(IEEE-2011)**
- SET-680.** The intelligent embedded control warning system for car reversing. **(IEEE-2011)**
- SET-679.** Implementation of In-vehicle Multi-sensor Information Fusion Gateway for Cooperative Driving. **(IEEE-2011)**
- SET-684.** Cell Phone based Remote Controlled Embedded System for Irrigation. **(IEEE-2011)**
- SET-665.** The Greenhouse Environment Monitoring System Based on Wireless Sensor Network Technology **(IEEE-2011)**
- SET-706.** Water Conservancy Monitoring System Based On Wireless Sensor Network. **(IEEE-2011)**
- SET-707.** A wearable device for recording of biopotentials and body movements. **(IEEE-2011)**
- SET-710.** Implementation of Tire Pressure Monitoring System with Wireless Communication. **(IEEE-2011)**

- SET-666.** The temperature humidity monitoring system of soil based on Wireless sensor Networks **(IEEE-2011)**
- SET-682.** Research on Embedded Data Display Unit Based on CAN Bus. **(IEEE-2011)**
- SET-683.** A Cardiac Signal Monitoring and Processing System. **(IEEE-2011)**
- SET-685.** Digital sphygmomanometer using Cortex M3 microcontroller.**(IEEE-2011)**
- SET-686.** The ECU control of diesel engine based on CAN **(IEEE-2011)**
- SET-670.** A Zero Configured Home Care Gateway using ZigBee **(IEEE-2011)**
- SET-671.** A Zigbee Network-based Multi-channel Heart Rate Monitoring System for Exercising Rehabilitation Patients
- SET-672.** Intelligence Monitoring System Based on ARM And Information Fusion **(IEEE-2011)**
- SET-673.** Energy Efficient and Low-Cost Indoor Environment Monitoring System Based on the IEEE 1451 Standard. **(IEEE-2011)**
- SET-674.** Development of A Distributed Data Collection System based on Embedded Ethernet. **(IEEE-2011)**
- SET-676.** Real Time Paddy Crop Field Monitoring Using Zigbee Network. **(IEEE-2011)**
- SET-677.** The implementation of the intelligent transport system for the real-time roadside environment information transfer. **(IEEE-2011)**
- SET-687.** Electronic Meter Reader & Data Base Management System **(IEEE-2011)**
- SET-688.** Design and Development of Microcontroller Based Electronic Queue Control Systems. **(IEEE-2011)**
- SET-689.** Microcontroller Based Environmental Control for Swiftlet Nesting with SMS Notification. **(IEEE-2011)**
- SET-690.** Home Automation Using GSM. **(IEEE-2011)**
- SET-691.** Low-Cost Capacitive Humidity Sensor for Application Within Flexible RFID Labels Based on Microcontroller Systems. **(IEEE-2011)**
- SET-692.** Implementation of CAN bus in an autonomous All-Terrain Vehicle. **(IEEE-2011)**
- SET-693.** Low Power, Intelligent, Wireless, Home Security System for the Elderly People. **(IEEE-2011)**

- SET-694.** Low Power Scheduled Alarm System Using Embedded Microcontroller with USB Interface. **(IEEE-2011)**
- SET-696.** A Microcontroller-Based Multi-Function Solar Tracking System. **(IEEE-2011)**
- SET-697.** The Research and Design of the Control System of the Omnidirectional Self-balancing Intelligent Ambulance. **(IEEE-2011)**
- SET-699.** Photovoltaic Pumping System Based on Intel 80C196KC Microcontroller. **(IEEE-2011)**
- SET-700.** A Microcontroller based Power Electronic Controller for PV assisted DC motor Control. **(IEEE-2011)**
- SET-701.** Design and Implementation of Pyroelectric Infrared Sensor Based Security System Using Microcontroller. **(IEEE-2011)**
- SET-702.** SCADA Element Solutions using Ethernet and Mobile Phone Network. **(IEEE-2011)**
- SET-703.** Solar Tracker Robot using Microcontroller. **(IEEE-2011)**
- SET-704.** Based on Atmega16 ultrasonic distance gauge. **(IEEE-2011)**
- SET-705.** Waste Water Handle System Design Based on PIC-Microcontroller. **(IEEE-2011)**
- SET-657.** Design of a Wireless Medical Monitoring System **(IEEE-2011)**
- SET-658.** Design of agricultural information acquisition system for Xingjian' Oasis based on ZigBee technology **(IEEE-2011)**
- SET-660.** Electricity Smart Meters Interfacing the Households **(IEEE-2011)**
- SET-661.** Exploring User-Centered Intelligent Road Lighting Design: A Road Map and Future Research Directions **(IEEE-2011)**
- SET-662.** Hybrid Wireless Communication System Using ZigBee and WiFi Technology in the Coalmine Tunnels **(IEEE-2011)**
- SET-663.** Monitoring and Alarming System Based on Zigbee Technology **(IEEE-2011)**
- SET-664.** Research of ZigBee Wireless Order System for Dishes Based on CC2530 **(IEEE-2011)**
- SET-669.** A Scheme for the Application of Smart Message Language in a Wireless Meter Reading System. **(IEEE-2011)**

- SET-675.** Evidence Collection from Car Black Boxes using Smartphones (**IEEE-2011**)
- SET-653.** A Reciprocal and Extensible Architecture for Multiple-Target Tracking in a Smart Home (**IEEE-2011**)
- SET-654.** An Intelligent Blind Rod and Navigation Platform Based on ZigBee Technology (**IEEE-2011**)
- SET-659.** Design, Characterization and Management of a Wireless Sensor Network for Smart Gas Monitoring (**IEEE-2010**)
- SET-621.** Sensor fall - An Accelerometer Based Mobile Application (Design and construction of MEMS based tilt operated Touch Free Mobile Phone. (**IEEE-2009**))
- SET-622.** Design of the Restaurant Self-service Ordering System Based on ZigBee Technology (Touch screen and Zigbee based wireless communication assistant for Dumb/Illiterates in Airlines **IEEE-2010**)
- SET-623.** Home Network Configuring Scheme for All Electric Appliances Using ZigBee-based Integrated Remote Controller (Electronic touch home – **IEEE-2009**)
- SET-624.** Real time mailbox alert system via SMS or email. (RFID and GSM based intelligent courier mailbox system)
- SET-625.** Design and realization of an intelligent access control system based on voice recognition (Voice activated multipurpose Robot – **IEEE-2009**)
- SET-626.** A Method for Calibrating Micro Electro Mechanical Systems Accelerometer (Head movement based voice enabled wireless device switching for physically challenged-**2010**)
- SET-627.** An embedded electric meter based on Bluetooth data acquisition system-**2010**
- SET-628.** Radar Velocity-measuring System Design and computation algorithm based on arm processor-**2010**
- SET-629.** Valuation of the Tongue Drive System by Individuals with High-Level Spinal Cord Injury -**2009**.
- SET-630.** A Mobile GPRS-Sensors Array for Air Pollution Monitoring -**2010**
- SET-631.** GPS-GSM Integration for Enhancing Public Transportation Management Services-**2010**
- SET-632.** An RFID communication system for medical applications-**2010**

- SET-633.** Research on GPRS vehicle location network service system -**2010**
- SET-634.** Identifying Objects Using RF Transmitters and Receivers, and Retrieving Data using GSM-**2010**
- SET-635.** Novel Design of Interactive Caption and Recognition Postures within the Wearable and Non-Vision System over Wireless Sensor Network-**2010**
- SET-636.** A Novel Wireless Self-powered Microcontroller-based Monitoring Circuit for Photovoltaic Panels in Grid connected systems-**2010**
- SET-651.** A Universal Remote Control with Haptic Interface for Customer Electronic Devices (**IEEE-2010**)
- SET-637.** Wearable Obstacle Avoidance Electronic Travel Aids for Blind: A Survey-**2010**
- SET-638.** Solar-Assisted Electric Auto Rickshaw Three-Wheeler. -**2010**
- SET-639.** Using the iPhone and iPod touch for Remote Sensor Control and Data Acquisition-**2010**.
- SET-640.** Data Collection and Monitoring using Cellular Wireless Network: GSM
- SET-641.** A Smart ZIGBEE Based Wireless Sensor Meter System
- SET-642.** Advanced Recognition Techniques for Human Computer Interaction-**2010**
- SET-643.** The system of wireless smart house based GSM and Zigbee-**2010**
- SET-644.** Outdoor Wireless Healthcare Monitoring System for Hospital patients based on Zigbee-**2010**
- SET-645.** Forest Fire Detection System based on Wireless Sensor Network-**2010**
- SET-646.** An Internet-Based Interactive Embedded Data-Acquisition System for Real-Time Applications - **2009**
- SET-647.** Design and Implementation of Real Time Vehicle Tracking System-**2009**
- SET-648.** A ZigBee-Based Home Automation System-**2009**
- SET-649.** Design & Development of a GSM Based Vehicle Theft Control System – **2008**
- SET-652.** Friendly Home Automation System Using Cell Phone and J2ME with Feed back Instant Voice Messages (**IEEE-2009**)
- SET-656.** Design and Implementation of ZigBee Based Wireless Sensor Network for Remote SpO2 Monitor (**IEEE-2010**)