

Technology : Embedded System (IEEE and Own Project Titles 2011-12)

Project Code	Project Title	IEEE Year
ED_ES_001	Agriculture Intelligence: An Emerging Technology for Farmer Community	IEEE 2011
ED_ES_002	A Hierarchical Algorithm for Indoor Mobile Robot Localization Using RFID Sensor Fusion	IEEE 2011
ED_ES_004	Automated Voice based Home Navigation System for the Elderly and the Physically Challenged	IEEE 2011
ED_ES_005	Hazardous Gas Detecting Method Applied in Coal Mine Detection Robot	IEEE 2011
ED_ES_006	Design and Implementation of a Mini-Size Search Robot	IEEE 2011
ED_ES_007	Integration Platform for Home/Building Automation and Security System	Own Idea
ED_ES_008	Testing Resource Usage in Home Automation Systems	IEEE 2011
ED_ES_009	Measurement and Control System of Soil Moisture of Large Greenhouse Group Based on CAN Bus	IEEE 2011
ED_ES_010	The Intelligent Embedded Control Warning System for Car Reversing	IEEE 2011
ED_ES_011	Design and Implementation of Smart Building Energy Management System Based on Zigbee	IEEE 2010
ED_ES_012	Black Box - Eye Tracking based Driver Fatigue Monitoring and Warning System	Own Idea
ED_ES_013	A Hybrid Wired/Wireless Networking Infrastructure for Greenhouse Management	IEEE 2011
ED_ES_014	Design of the Intelligent Public Transportation Monitoring System based on WSN	IEEE 2011
ED_ES_017	Design of the Node System of Wireless Sensor Network and Its Application in Digital Agriculture	IEEE 2011
ED_ES_018	MEMS Accelerometer Based Robot for Building Construction	Own Idea
ED_ES_019	Design of Landslide Warning System	IEEE 2011
ED_ES_021	Design and Implementation of Train Collision Prevention System	Own Idea
ED_ES_022	Design of Spots Intelligent Monitoring System of Digital Scenic	IEEE 2011
ED_ES_023	Secured Monitoring System for	Own Idea

	Government Exams	
ED_ES_024	Enhanced Biometrics-Based Remote User Authentication Scheme using Smart Card	Own Idea
ED_ES_025	Smart Parking Reservation System using Short Message Services (SMS)	Own Idea
ED_ES_026	Automated urban drinking water supply control and water theft identification system	IEEE 2011
ED_ES_027	Cryptanalysis and Improvement of Remote User Authentication using Smart Card	IEEE 2008
ED_ES_028	The Ship Monitoring and Control Network System Design	Own Idea
ED_ES_029	RFID and Zigbee Based Manufacturing Monitoring System	IEEE 2011
ED_ES_030	Intelligent Vehicle Theft Identification and Access Control System	IEEE 2010
ED_ES_031	Green Evolution – Detection of Plastics for Recycling Process	Own Idea
ED_ES_032	The On-Line Monitoring and Diagnosis System for Thermal Plant	IEEE 2011
ED_ES_034	Modelling, Control and Monitoring of Hydrogen Cooling System in Thermal Power Plant	IEEE 2012
ED_ES_035	Software Design and Development for Automotive Online Monitoring System	IEEE 2011
ED_ES_036	Malfunction Detection and Indication Dash Board for Automobile	Own Idea
ED_ES_037	Four-Factor Verification Methodology for Entity Authentication Assurance	IEEE 2011
ED_ES_038	Structural Analysis of the Remote Performance Monitoring System Used in Modern Agricultural Machinery	IEEE 2011
ED_ES_039	Design of On-line Interactive Data Acquisition and Control System for Embedded Real Time Applications	IEEE 2011
ED_ES_042	Intelligent Online Measurement and Management of energy Meter Data Through Advanced Wireless Network	IEEE 2011
ED_ES_044	Bidirectional Medication Support System for Medical Staff and Home Care Patients	IEEE 2011
ED_ES_045	Deviation Detection in Automated Home Care using Commonsense	IEEE 2011
ED_ES_048	Advanced Network Based Wireless, Single PMS for Multiple-Patient Monitoring	IEEE 2011
ED_ES_049	Design of Wireless Sensor System for	IEEE 2011

	Neonatal Monitoring	
ED_ES_051	Travel Time Prediction under Heterogeneous Traffic Conditions using GSM and GPS	IEEE 2009
ED_ES_052	Design of Auto-Guard System based on RFID and Network	IEEE 2011
ED_ES_053	Infant Monitoring by Developing an Embedded Device for Incubator	Own Idea
ED_ES_055	RFID-based Tracing Systems for Drugs: Technological Aspects and Potential Exposure Risks	IEEE 2011
ED_ES_056	An RFID-Based Reminder System for Smart Home	IEEE 2011
ED_ES_057	Design and Implementation of Secure Active RFID System with Cryptography and Authentication Mechanisms	IEEE 2008
ED_ES_058	A Secure RFID Protocol based on Insubvertible Encryption Using Guardian Proxy	IEEE 2008
ED_ES_059	A RFID-based Material Tracking Information System	IEEE 2007
ED_ES_062	Design of Monitor-and-Control System for Supermarket Fresh Area based on ZigBee	IEEE 2011
ED_ES_063	Design and Deployment of a Robust Remote River Level Sensor Network	IEEE 2011
ED_ES_064	Digital Sign Board and Collision Mitigation System in Mountains	Own Idea
ED_ES_065	Remote Configurable and Secured Running LED Display using GSM Technology	Own Idea
ED_ES_068	An Embedded System and RFID Solution for Transport Related Issues	IEEE 2010
ED_ES_069	Implementation of Hotel Automation System	Own Idea
ED_ES_072	Fingerprint based Identity Authentication for Online Examination System	IEEE 2010
ED_ES_073	GPS-GSM Integration for Enhancing Public Transportation Management Service	IEEE 2010
ED_ES_074	Head Motion Controlled Power Wheelchair	IEEE 2010
ED_ES_077	Applications of Wireless Sensor Network in the Oil, Gas and Resources Industries	IEEE 2010
ED_ES_081	Microcontroller Controlled ECG Simulator	IEEE 2010
ED_ES_082	A Security Analysis for Wireless Sensor Mesh Networks in Highly Critical System	IEEE 2010
ED_ES_083	Combined Scheduling of Ultrasound And	IEEE 2010

	GPS Signals in A Wearable ZigBee-Based Guidance System for the Blind	
ED_ES_084	Design and Implementation of ZigBee Based Wireless Sensor Network for Remote SpO2 Monitor	IEEE 2010
ED_ES_096	Wireless Health Monitoring System for Vibration Detection of Induction Motors	IEEE 2010
ED_ES_097	Development of an Ambulatory Multi-parameter Monitoring System for Physiological Stress Related Parameters	IEEE 2010
ED_ES_101	Wireless Wearable Pulse Oximeter for Health Monitoring using Zigbee Wireless Sensor Network	IEEE 2010
ED_ES_106	Activity Monitoring System using Dynamic Time Warping for the Elderly and Disabled people	IEEE 2009
ED_ES_107	An Electronic Nose Network System for Online Monitoring of Livestock Farm Odors	IEEE 2009