

**EMBEDDED**  
**2014 PAPERS**

<b>S.NO</b>	<b>SUBJECT CODE</b>	<b>TITLES</b>	<b>YEAR</b>
1.	14CTEM_01	WIRELESS AND WEARABLE EEG SYSTEM FOR EVALUATING DRIVER VIGILANCE	2014
2.	14CTEM_02	HOME BASED ON ELDER CARE COGNITIVE WIRELESS SENSOR NETWORK	2014
3.	14CTEM_03	AUTOMATED IRRIGATION SYSTEM USING A WIRELESS SENSOR NETWORK AND GPRS MODULE	2014
4.	14CTEM_04	OIL WELL HEALTH MONITORING AND CONTROL BASED ON SENSOR NETWORK(OPUS)	2014
5.	14CTEM_05	A HAND GESTURE RECOGNITION FRAMEWORK AND WEARABLE GESTURE-BASED INTERACTION PROTOTYPE FOR MOBILE DEVICES	2014
6.	14CTEM_06	AN OPEN TRAFFIC LIGHT CONTROL FOR REDUCING VEHICLES CO2 EMISSION BASED ON ETC VEHICLES	2014
7.	14CTEM_07	WSN-BASED SMART SENSORS AND ACTUATOR FOR POWER MANAGEMENT IN INTELLIGENT BUILDINGS	2014
8.	14CTEM_08	AN ENHANCED FALL DETECTION SYSTEM FOR ELDERLY PERSON MONITORING USING CONSUMER HOME NETWORKS	2014
9.	14CTEM_09	DESIGN AND ENERGETIC ANALYSIS OF AN ADVANCED CONTROL UPGRADING EXISTING LIGHTING SYSTEMS	2014
10.	14CTEM_10	ARM HARDWARE PLATFORM FOR VEHICLE MONITORING AND TRACKING	2014
11.	14CTEM_11	DESIGN AND IMPLEMENTATION OF ARM INTELLIGENT MONITORING SYSTEM USING ZIGBEE	2014
12.	14CTEM_12	DESIGN OF ARM BASED EMBEDDED SYSTEM FOR INDUSTRIAL APPLICATION USING TCP/IP NETWORK	2014

13.	14CTEM_13	INDUSTRIAL PARAMETER MONITORING AND CONTROLLING USING GSM & WEB SERVER	2014
14.	14CTEM_14	DESIGN OF ARM BASED INTERACTIVE DATA ACQUISITION AND CONTROL SYSTEM FOR EMBEDDED SYSTEM	2014
15.	14CTEM_15	A LOW-COMPUTATIONAL APPROACH ON GAZE ESTIMATION WITH EYE TOUCH SYSTEM	2014
16.	14CTEM_16	A LOW-COST SENSOR NETWORK FOR REAL-TIME MONITORING AND CONTAMINATION DETECTION IN DRINKING WATER DISTRIBUTION SYSTEMS	2014
17.	14CTEM_17	DEHEMS: CREATING A DIGITAL ENVIRONMENT FOR LARGE-SCALE ENERGY MANAGEMENT AT HOMES	2014
18.	14CTEM_18	PORTABLE ROADSIDE SENSORS FOR VEHICLE COUNTING, CLASSIFICATION, AND SPEED MEASUREMENT	2014
19.	14CTEM_19	A STUDY ON ENERGY SAVING AND CO2 EMISSIONS REDUCTION ON SIGNAL COUNTDOWN EXTENSION BY VEHICULAR AD-HOC NETWORK	2014
20.	14CTEM_20	A ROBOTIC CRACK INSPECTION AND MAPPING SYSTEM FOR BRIDGE DECK MAINTENANCE	2014
21.	14CTEM_21	RELIABLE HANDLING OF ROAD RULES IN VEHICLE TRANSPORTATION USING VANET	2014
22.	14CTEM_22	RESCUE SYSTEM FOR COAL MINE WORKERS USING DIFFERENT SENSORS BASED ON GSM AND RF-PRO	2014
23.	14CTEM_23	FEATURE SELECTION AND ACTIVITY RECOGNITION SYSTEM USING A SINGLE TRIAXIAL ACCELEROMETER	2014
24.	14CTEM_24	AUTOMATED IRRIGATION SYSTEM USING A WIRELESS SENSOR NETWORK WITH ANDROID APPLICATION	2014

### 2013 PAPERS

<b>S.NO</b>	<b>SUBJECT CODE</b>	<b>TITLES</b>	<b>YEAR</b>
1.	13CTEM_01	IMPLEMENTATION OF A WIRELESS ECG ACQUISITION SOC FOR IEEE802.15.4 (ZIGBEE) APPLICATIONS	2013
2.	13CTEM_02	IMPLEMENTATION OF AUTOMATIC GAS MONITORING IN A DOMESTIC ENERGY MANAGEMENT SYSTEM	2013
3.	13CTEM_03	CHILD ACTIVITY RECOGNITION BASED ON COOPERATIVE FUSION MODEL OF A TRIAXIAL ACCELEROMETER AND A BAROMETRIC PRESSURE SENSOR	2013
4.	13CTEM_04	ONLINE MONITORING OF GEOLOGICAL CO <sub>2</sub> STORAGE AND LEAKAGE BASED ON WIRELESS SENSOR NETWORKS	2013
5.	13CTEM_05	CONTEXT AWARE DRIVER BEHAVIOR DETECTION SYSTEM IN INTELLIGENT TRANSPORTATION SYSTEMS (ITS)	2013
6.	13CTEM_06	HARDWARE DEMONSTRATION OF A HOME ENERGY MANAGEMENT SYSTEM FOR DEMAND RESPONSE APPLICATIONS	2013
7.	13CTEM_07	INTELLIGENT HOUSEHOLD LED LIGHTING SYSTEM CONSIDERING ENERGY EFFICIENCY AND USER SATISFACTION	2013
8.	13CTEM_08	A CONTEST-ORIENTED PROJECT FOR LEARNING INTELLIGENT MOBILE ROBOTS	2013
9.	13CTEM_09	LOCATION-AWARE AND SAFER CARDS: ENHANCING RFID SECURITY AND PRIVACY VIA LOCATION SENSING	2013

10.	13CTEM_10	SMART HOST MICROCONTROLLER FOR OPTIMAL BATTERY CHARGING IN A SOLAR-POWERED ROBOTIC VEHICLE	2013
11.	13CTEM_11	WIRELESS AND PYROELECTRIC SENSORY FUSION SYSTEM FOR INDOOR HUMAN/ROBOT LOCALIZATION AND MONITORING	2013
12.	13CTEM_12	SOLAR BASED INTELLIGENT ENERGY DISTRIBUTION MANAGEMENT SYSTEM	2013
13.	13CTEM_13	THE NEW APPROACH TO RFID ASSISTED NAVIGATION SYSTEMS FOR VANETS	2013
14.	13CTEM_14	A WIRELESS ELECTROCARDIOGRAM DETECTION FOR PERSONAL HEALTH MONITORING	2013
15.	13CTEM_15	THE PROPAGATION MODELING FOR DISTANCE MEASUREMENT IN EMERGENCY UNDERGROUND COAL MINE NAVIGATION	2013
16.	13CTEM_16	REMOTE-CONTROL SYSTEM OF HIGH EFFICIENCY AND INTELLIGENT STREET LIGHTING USING A ZIGBEE NETWORK OF DEVICES AND SENSORS	2013
17.	13CTEM_17	GROUPING PROOF OF RFID TAGS FOR PERFORMANCE EVALUTION	2013
18.	13CTEM_18	ON THE IMPACT OF VEHICLE-TO-VEHICLE COMMUNICATION WITH VIRTUAL TRAFFIC LIGHTS	2013
19.	13CTEM_19	POVA: TRAFFIC LIGHT SENSING WITH PROBE VEHICLES	2013
20.	13CTEM_20	WIRELESS MACHINE-TO-MACHINE HEALTHCARE SOLUTION USING ANDROID MOBILE DEVICES IN GLOBAL NETWORKS	2013

21.	13CTEM_21	A PROBABILISTIC FRAMEWORK FOR DECISION-MAKING IN COLLISION AVOIDANCE SYSTEMS	2013
22.	13CTEM_22	COORDINATED ITERATIVE LEARNING CONTROL SCHEMES FOR TRAIN TRAJECTORY TRACKING WITH OVER SPEED PROTECTION	2013
23.	13CTEM_23	ENERGY-EFFICIENT WIRELESS MAC PROTOCOLS FOR RAILWAY MONITORING APPLICATIONS	2013
24.	13CTEM_24	DECISION MAKING AND FINITE-TIME MOTION CONTROL FOR A GROUP OF ROBOTS	2013
25.	13CTEM_25	REAL-TIME MULTI-PATIENT MONITORING SYSTEM USING ARM AND WIRELESS SENSOR NETWORK	2013
26.	13CTEM_26	ARM BASED ENERGY METER READING SYSTEM WITH POWER ON/OFF	2013
27.	13CTEM_27	HOME AUTOMATION BASED ON ARM AND ZIGBEE	2013
28.	13CTEM_28	OIL WELL HEALTH MONITORING AND CONTROL BASED ON SENSOR NETWORK (OPUS)	2013