IEEE 2016 Projects List (NEW)
16_1_IEEE_Energy Efficient Location and Activity-aware On-Demand Mobile Distributed Sensing Platform
16_2_424_IEEE_Mine Safety System Using WSN
16_3_IEEE_Robotic Automated External Defibrillator Ambulance for Emergency Medical Service in Smart Cities
16_4_Android_Rapid Entire Body Postural Analysis Assessment Device for Computer Operators
16_5_472_IEEE_Design and Implementation of ATM Alarm Data Analysis System
16_6_WIRELESS SPEED CONTROL OF SINGLE PHASE AC MOTOR
16_7_Touch screen based on Nurse attendant calling system for physically impared
16_8_Altimate Energy from Busy Road for Development of Smart City
16_9_Effective Implementation of IoT for Enhancing Cargo Cantaine Security
16_10_IEEE_Automation System of Vehicle Requisition in Public Sector
16_11_Evaluation of Respiratory & Non-Respiratory Movements of Infants with Care taker voice using FN-M16P module
16_12_Intelligent Anti-Theft Tracking and Accident Detection System for Automobiles Based on IOT
16_13_333_Raspberry pi Based Remote Virtual Lab Access and capturing physical image of laboratory
16_14_IEEE_Residence Energy Control System Based on Wireless Smart Socket and IoT-min
16_15_Securing a Smart Home Network using Voice Biometric
16_16_IOT, GPRS & Raspberry PI Based Global Industrial Process Monitoring Through Wireless Communication
16_17_IEEE_Extraction of Stride Events From Gait Accelerometry During Treadmill Walking-min
16_18_Raspberry Pi Based Deadly School Van Monitoring System with E-mail Alert
16_19_446_A Smart-Home System to Unobtrusively and Continuously Assess Loneliness in Older Adults-min
16_20_IEEE_Signal Quality and Compactness of a Dual Accelerometer System for Gyro Free Human Motion Analysis-min
16_21_Wireless Bomb Defusing Robot with camera interfacing
16_22_Robotic Remote Surveillance and Control through Speech Recognition
16_23_Design of Nano Robotics for Defense
16_24_Antismuggling System for Trees in Forest using Flex Sensor
16_25_Multi Function Defense Robot
16_26_Raspberry PI - Smart Home Automation System through E-mail and Sensors
16_27_431_Underground Cable Fault Detection and Alert with Voice Commands using FN-M16P.
16_28_459_IOT - Garbage and Street Light Monitoring System Using Internet of Things
16_29_Pollution Monitoring & Intelligent Information Exchange System for Traffic Congestion
16_30_Portable Road Side Sensor Base Real Time Vehicular System
16_31_Remote Monitoring and Control of Boiler Feed Water in Power Generation Unit
16_32_An Automatic Embedded Toll Plaza with Document Verification and Speed Detection System
16_33_Advanced Passenger Security System for Radio Cabs with Video Transmission and Enhanced System Security with Biometric Module
16_34_256_Embedded System based Voting Machine System using Wireless Technology
16_35_Design and Implementation of Kitchen Monitoring System
16_36_IEEE_A Custom Internet of Things Healthcare System
16_37_439_Fault Analysis and Electrical Protection of Distribution Transformer with FN-M16P MP3 Unit
16_38_IEEE_Teach Me - Show Me - End-User Personalization of a Smart Home and Companion Robot
16_39_IEEE_Audio Vision Substitution for Blind Individuals
16_40_Raspberry Pi based Gesture based Email Access and Voice Command for Blind and Dumb
16_41_IOT based Novel Low-Cost Sensor for Human Bite Force Measurement
**IoT - Wireless Sensor Network (Networking) (Web Services)**

16_2_424_IEEE_Mine Safety System Using WSN

16_9_Effective Implementation of IoT for Enhancing Cargo Container Security

16_12_Intelligent Anti-Theft Tracking and Accident Detection System for Automobiles Based on IOT

16_14_IEEE_Residence Energy Control System Based on Wireless Smart Socket and IoT

16_16_IEEE_IOT, GPRS & Raspberry PI Based Global Industrial Process Monitoring Through Wireless Communication

16_28_459_IOT - Garbage and Street Light Monitoring System Using Internet of Things

16_36_IEEE_A Custom Internet of Things Healthcare System

16_41_IOT based Novel Low-Cost Sensor for Human Bite Force Measurement

15_3_446_The Elderly Independent Living in Smart Homes: A Characterization of Activities and Sensing Infrastructure Survey to Facilitate Services Development

15_29_IEEE_An Approach for Monitoring and Smart Planning of Urban Solid Waste Management

15_5_WSN AND IOT BASED SMART HOMES AND THEIR EXTENSION TO SMART BUILDINGS

15_25_IEEE_A Wireless Sensor Network Monitoring System for Highway Bridges

15_26_IEEE_Prototype Development of Monitoring System in Patient Infusion with Wireless Sensor Network

**Robotics**

16_3_IEEE_Robotic Automated External Defibrillator Ambulance for Emergency Medical Service in Smart Cities

16_21_Wireless Bomb Defusing Robot with camera interfacing

16_22_Robotic Remote Surveillance and Control through Speech Recognition

16_23_Design of Nano Robotics for Defense

16_25_Multi Function Defense Robot

16_38_IEEE_Teach Me - Show Me - End-User Personalization of a Smart Home and Companion Robot

15_1_287_Hand Gesture Recognition Based Robot Using Accelerometer Sensor
421_Robotic Missile Detection and Automatic Destroy System using Laser Technology with Server based Control Unit

443_Robust Railway Crack Detection Scheme (RRCDS) Using LED-LDR Assembly

14_39_Missile Detection and Automatic Destroy System

15_2_343_A Review on Design of Automated Floor Cleaning System

15_7_CONTROLLER AREA NETWORK BASED CRUISE CONTROL IN TRAFFIC SITUATIONS

14_38_46_Designing and Modeling of Voice Controlled Wheel Chair Incorporated with Home Automation

14_189_Robotic automated food service provider is hotel with android based individual menu system

87_Blueooth embedded robotic agriculture plowing, seeding and grass cutting powered by solar energy

15_12_AN ENHANCED CRACK DETECTION SYSTEM FOR RAILWAY TRACK

15_12_RAILWAY TRACK CRACK DETECTION AUTONOMOUS VEHICLE

15_19_ER-LOCK: NEXT GENERATION AUTO THEFT PREVENTION SYSTEM USING SMART GRAVITATIONAL LOCK VEHICLE TRACKING WITH GPS FENCING AND REMOTE FUEL CUT-OFF

15_22_RFID Based Vehicle Emissions in Cities on Internet

313_PAM BASED ROBOT MOTION & SPEED CONTROL WITH PICK & PLACE OPERATION

311_MEMS (ACCELEROMETER) BASED ROBOT MOTION CONTROL WITH FIRE, GAS DETECTION & CONTROL SYSTEM WITH VOICE ALERT

46_Speech based wheel chair control for physically challenged person using Android Bluetooth technology

349_SMART VEHICLE SYSTEM USING ARM7 WITH NUMBER PLATE DETECTION

39_A_AUTOMATIC FIRE SENSING ROBOT AND SMS ALERT

39_FIRE SENSING ROBOT

43_REMOTE FIRING ROBOT

46_Speech based wheel chair control for physically challenged person using Android Bluetooth technology
343 Cleaning Robot
249 Automatic and intelligent car motion
313 Pam based robot motion & speed control with pick & place operation
287 Accelerometer & ARM based Robot motion & speed control with obstacle detection
291 Bomb detection robot
52 A RF BASED PICK AND PLACE ROBOT
51 Metal Detecting Robot
52 PICK AND PLACE ROBOT
287 ACCELEROMETER BASED ROBOT CONTROL USING ARM7 WITH OBSTACLE DETECTION.
214 ROBOTIC AID FOR SURVILENCE OF HUMAN BEINGS USING ZIGBEE.
105 TOUCH SCREEN AND ARM BASED ROBOT MOTION CONTROL
114 FLEX SENSOR USING ROBOT CONTROL.
115 TOUCH SCREEN BASED ROBOT USING SPEECH.
291 BOMB DETECTION ROBOT.
223 AUTOMATED BOOK PICKING ROBOT FOR LIBRARIES BY USING RFID
231 FLEX SENSOR AND ACCELEROMETER BASED ROBOT MOTION CONTROL WITH FINGERED ARM
242 SMS BASED VEHICLE ROBOT
244 PICK & PLACE ROBOT WITH FIRE SENSING
159 FREE MOVING ROBOT WITH FRONT & BACK IR OBSTACLE DETECTOR
145 CELL PHONE CONTROLLED ROBOT
147 PC CONTROLLED ROBOT
157 RF BASED ROBOT CONTROL WITH TEMPERATURE ALERT
158 IR BASED OBSTACLE DETECTION ROBOT
164 RADIO CONTROLLED COMBAT ROBOT
62 FIRE SENSING ROBOT WITH RF AND ALARM
147 PC CONTROLLED ROBOT
106 PLANET ROVER
110 Embedded LAND ROVER with Sensor Interface with ZigBee Technology
159 FREE MOVING ROBOT WITH FRONT & BACK IR OBSTACLE DETECTOR
164_RADIO CONTROLLED COMBAT ROBOT
14_189_Robotic automated food service provider is hotel with android based individual menu system

Biomedical & Medical Applications
16_4_Android_Rapid Entire Body Postural Analysis Assessment Device for Computer Operators
16_7_Touch screen based on Nurse Attendant calling system for physically impaired
16_11_Evaluation of Respiratory & Non-Respiratory Movements of Infants with Care taker voice using FN-M16P module
16_20_IEEE_Signal Quality and Compactness of a Dual Accelerometer System for Gyro Free Human Motion Analysis-min
16_36_IEEE_A Custom Internet of Things Healthcare System-min
16_41_IOT based Novel Low-Cost Sensor for Human Bite Force Measurement
403_Android based Monitoring Human Knee Joint Movement Using Wearable Computing
15_3_446_The Elderly Independent Living in Smart Homes: A Characterization of Activities and Sensing Infrastructure Survey to Facilitate Services Development
326_Speech based control & alert system for senior citizens using android mobile
15_4_A Zigbee-Based Animal Health Monitoring System
15_23_Automated Health Alerts Using In-Home Sensor Data for Embedded Assessment
15_26_IEEE_Prototype Development of Monitoring System in Patient Infusion with Wireless Sensor Network
266_Operation Theatre Automation & Control (OTAC)
270_NICU Monitoring With PC
14_22_369_SECURE MEDICAL TAGS FOR REDUCING MEDICAL ERRORS & DRUG INTERACTION WITH EHR SYSTEM

367_CHILD ACTIVITY RECOGNITION USING ACCELEROMETER AND RFID READER
369_NFC-Enabled Smartphone Application for Drug Interaction and Drug Allergy Detection
14_26_Microcontroller Based Heart Beat Monitoring and Alerting System
14_35_Monitoring Human Knee Joint Movement using Wearable Computing
14_34_Any Time Medicine
14_A LOW-COST WIRELESS HEALTHCARE MONITORING SYSTEM
14_An Adaptable and Extensible Mobile Sensing Framework for Patient Monitoring
14_IEEE_Design and Implementation of Heart Rate Measurement Device Using Wireless System
352_Speech Recognition Based Wireless Automation of Home Loads with Fault Identification for Physically Challenged

**Agriculture & Irrigation**
14_405_Intelligent Food Management System-Maintenance of Agro and Non-Agro Foods in Cold Storage Warehouse
87_Bluetooth embedded robotic agriculture plowing, seeding and grass cutting powered by solar energy
15_11_GREENCHARGE: MANAGING RENEWABLE ENERGY IN SMART BUILDINGS
15_13_87_SEED SOWING USING ROBOTICS TECHNOLOGY
15_30_Embedded_Fuzzy_ZigBee-Based Irrigation System for Home Gardens
321_Solar powered Irrigation with auto control of pump & SMS alert

**Vehicle Automation, Traffic, Automotive Application**
16_10_IEEE_Automation System of Vehicle Requisition in Public Sector
16_12_Intelligent Anti-Theft Tracking and Accident Detection System for Automobiles Based on IOT
16_29_Pollution Monitoring & Intelligent Information Exchange System for Traffic Congestion
16_30_Portable Road Side Sensor Base Real Time Vehicular System
16_42_An Improved Traffic Signs Recognition
15_7_CONTROLLER AREA NETWORK BASED CRUISE CONTROL IN TRAFFIC SITUATIONS
15_14_AN AUTOMATED SYSTEM FOR ACCIDENT DETECTION
21_Android based Sign Board Detection with Image & Voice Alert System
15_19_ER-LOCK: NEXT GENERATION AUTO THEFT PREVENTION SYSTEM USING SMART GRAVITATIONAL LOCK VEHICLE TRACKING WITH GPS FENCING AND REMOTE FUEL CUT-OFF
15_22_RID Based Vehicle Emissions in Cities on Internet
422_Application of RFID Technology and the Maximum Spanning Tree Algorithm for Solving Vehicle Emissions in Cities on Internet of Things
14_20_201_Integrated and Automated Vehicle Bay Arrangement System to Avoid Congestion in a Public Parking Area
14_An Approach towards Traffic Management System using Density Calculation and Emergency Vehicle Alert
14_Automatic Traffic Congestion Detection and Alert System
14_BUS POSITION MONITORING SYSTEM TO FACILITATE the passengers
383_Embedded Bluetooth Access for cars using the Face recognition, Cell phone and GSM
14_Design and Implementation of Vehicle Tracking System Using GPS/GSM/GPRS Technology and Smartphones Application
14_Embedded Based Vehicle Speed Control System using Wireless Technology
14_Emergency Traffic Management for Ambulance using Wireless Communication
14_IEEE_Design and Implementation of Vehicle Tracking System Using GPS GSM Technology
14_ROAD ACCIDENT PREVENTION UNIT (R.A.P.U)
14_RADAR Based Vehicle Collision Avoidance System used in Four Wheeler Automobile Segments
14_Intelligent Accident Detection and Ambulance Rescue System

Security System, Biometrics
16_2_424_IEEE_Mine Safety System Using WSN
16_9_Effective Implementation of IoT for Enhancing Cargo Cantaine Security
16_15_Securing a Smart Home Network using Voice Biometric
16_18_Raspberry Pi Based Deadly School Van Monitoring System with E-mail Alert
16_33_Advanced Passenger Security System for Radio Cabs with Video Transmission and Enhanced System Security with Biometric Module
15_5_WSN AND IOT-BASED SMART HOMES AND THEIR EXTENSION TO SMART BUILDINGS
15_18_Women Anti-Rape Belt
15_19_ER-LOCK: NEXT GENERATION AUTO THEFT PREVENTION SYSTEM USING SMART GRAVITATIONAL LOCK VEHICLE TRACKING WITH GPS FENCING AND REMOTE FUEL CUT-OFF
14_28_Fire Avoidance and Electric Circuit Breaker System in Train along with Alerting Approaching Station
14_18_Wireless Communication, Monitoring and Security System Embedded Safety Helmet for Real Time Applications
1_Invisible Eye – An advanced Security System Using Web Camera
14_36_A Very Simple User Access Control Technique through Smart Device Authentication using Bluetooth Communication
14_398_Intelligent Radio Frequency Indentification Technology in Academic Management System
14_330_Innovative Graphical Passwords using Sequencing for industrial security system
14_ATM Transaction Security System Using Biometric Palm Print Recognition
14_Automated Air Baggage Security Enhancements with Biometric Recognition using Programmable Logic Controller
14_417_Fingerprint Based Licensing System for Driving with Face Recognition system
245_SECURITY USING FINGERPRINT AND GSM AUTHENTICATION
252_FINGERPRINT SCANNER BASED GLOBALISED VOTING SYSTEM
251_FINGERPRINT BASED AUTHENTICATION, ACCESS CONTROL, TIME, ATTENDANCE MANAGEMENT
246_A_FINGER PRINT AUTHENTICATION FOR ONLINE EXAM

**CAN Protocol**
320_CAN based data acquisition with voice operated bus stop indication using gps with traffic reducing technique

63REMOTE MONITORING OF CAR ENGINE USING CAN AND ZIGBEE PROTOCOLS
AN APPLICATION OF WIRELESS DATA ACQUISITION

15_6DESIGN & IMPLEMENTATION OF SMART CITY USING CONTROLLED AREA NETWORK PROTOCOL FOR CONTROLLING PURPOSE

15_7CONTROLLER AREA NETWORK BASED CRUISE CONTROL IN TRAFFIC SITUATIONS

15_8CONTROL AREA NETWORK LIMITATIONS IN ECOCAR

14_9Vehicle Control Using CAN Protocol For Implementing the Intelligent Braking System

14_31IEEE_Intra-Vehicle Networks A Review

14_32ARM 7 Based Controller Area Network for Accident Avoidance in Automobiles

14_Design and development Of PIC microcontroller based vehicle monitoring system using Controller Area Network (CAN) protocol

38_CAR AUTOMATION USING CAN NETWORK

93_CAN BASED REMOTE CAR AUTOMATION

**Real Time Application Projects**

429_Substation Phase Controller for automatic load shedding with overload alert

430_DESIGN OF AN EMBEDDED SENSOR NETWORK FOR APPLICATION IN ENERGY MONITORING OF A SPORTS STADIUM

432_Web based Electronic Load to Test DC Power Supply to Generate Quality Test Report in Production Department

423_Airport Baggage Conveyor and Voice notification using Android Technology

424_Wirless Communication, Monitoring and Security System Embedded Safety Helmet for Real Time Applications

425_Vehicle Control Using CAN Protocol For Implementing the Intelligent Braking System

426_RFID based Hostel Security System with Intruder Detection

437_AUTOMATIC BABY e-CRADLE FOR INFANT CARE

438_SMART GIRLS SECURITY SYSTEM

439_Fault Analysis and Electrical Protection of Distribution Transformers
444_Any Time Medicine
445_GSM Based Power sharing of Transformer with Automatic load shedding system
446_Daily Life Tracking Application for Smart Homes using Android Smartphone
14_11_165_Intelligent Remotely Device Controlled System for Industrial Electrical Appliances through Zigbee Wireless Networks
14_29_To analyze hand gesture recognition for wirelessly electronic device control
14_IEEE_208_Automatic User State Recognition for Hand Gesture Based Low-Cost Television Control System
372_ADVANCED SOFESTICAED TECHINQUES IN VEHICLES FOR PREVENTION OF ACCIDENTS
373_ENERGY EFFICIENT LED LIGHTING SYSTEM FOR COMMERCIAL PURPOSE
375_Remote-Control System of High Efficiency and Intelligent Street Lighting Using a ZigBee Network of Devices and Sensors
382_Online Monitoring of Geological CO2 Storage and leakage based on wireless sensor networks
386_AN OPTIMAL DRIVING SYSTEM BY USING WIRELESS HELMET and ANDROID
387_Safety helmet for a pilot
389_Use of Ultrasonic Signal Coding and PIR Sensors to Enhance the Sensing Reliability of an Embedded Surveillance System
390_Embedded System Based Eye Movement Communicating Media for Paralyzed Person
391_Passenger BUS Alert System for Easy Navigation of Blind
393_Smart Host Microcontroller for Optimal Battery Charging in a Solar-Powered Robotic Vehicle
396_Low Power Wireless Sensor Network for Building Monitoring
397_DESIGN AND DEVELOPMENT OF FALL DETECTOR USING FALL ACCELERATION
400_Environment monitoring and device control using ARM based Embedded Controlled Sensor Network
15_3_446_The Elderly Independent Living in Smart Homes: A Characterization of Activities and Sensing Infrastructure Survey to Facilitate Services Development
14_8_411_Design and Implementation of Client-Server based Remote Machine Control System using Web Services for Industrial Applications
14_21_A Reconfigurable Smart Sensor Interface for Industrial WSN in IoT Environment using web server
15_25_IEEE_A Wireless Sensor Network Monitoring System for Highway Bridges
15_29_IEEE_An Approach for Monitoring and Smart Planning of Urban Solid Waste Management
15_30_Embedded_Fuzzy_ZigBee-Based Irrigation System for Home Gardens
14_189_Robotic automated food service provider is hotel with android based individual menu system
14_Smart Host Microcontroller for Optimal Battery Charging in a Solar Powered Robotic Vehicle & Cell Phone Charging
46_Speech based wheel chair control for physically challenged person using Android Bluetooth technology
287_Accelerometer & ARM based Robot motion & speed control with obstacle detection
326_Speech based control & alert system for senior citizens using android mobile
266_Operation Theatre Automation & Control (OTAC)
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352_Speech Recognition Based Wireless Automation of Home Loads with Fault Identification for Physically Challenged
21_Android based Sign Board Detection with Image & Voice Alert System
383_Embedded Bluetooth Access for cars using the Face recognition, Cell phone and GSM
1_Invisible Eye – An advanced Security System Using Web Camera
14_330_Innovative Graphical Passwords using Sequencing for industrial security system
14_Automated Air Baggage Security Enhancements with Biometric Recognition using Programmable Logic Controller
207_Demand Side Load Management of Smart Grids Using Intelligent Trading Metering Billing
257_Design and Implementation of a Power Converter for Electric Bike with Charging Feature
14_9_Vehicle Control Using CAN Protocol For Implementing the Intelligent Braking System
422_Application of RFID Technology and the Maximum Spanning Tree Algorithm for Solving Vehicle Emissions in Cities on Internet of Things
424_Wireless Communication, Monitoring and Security System Embedded Safety Helmet for Real Time Applications

**POWER MANAGEMENT**
14_30_IEEE_Smart Home Energy Management System Including Renewable Energy Based on ZigBee and Webservices
429_Substation Phase Controller for automatic load shedding with overload alert
15_16_MICROCONTROLLER BASED THREE PHASE FAULT ANALYSIS FOR TEMPORARY AND PERMANENT FAULT
439_Fault Analysis and Electrical Protection of Distribution Transformers
445_GSM Based Power sharing of Transformer with Automatic load shedding system

**Embedded with Matlab**
15_30_EMBEDDED FUZZY ZIGBEE-BASED IRRIGATION SYSTEM FOR HOME GARDENS

**Technical Analysis Based Projects (Mtech Standards)**
16_1_IEEE_Energy Efficient Location and Activity-aware On-Demand Mobile Distributed Sensing Platform
15_11_GREENCHARGE: MANAGING RENEWABLE ENERGY IN SMART BUILDINGS
14_22_369_SECURE MEDICAL TAGS FOR REDUCING MEDICAL ERRORS & DRUG INTERACTION WITH EHR SYSTEM