

## 2023 IEEE - EMBEDDED SYSTEMS / WIRELESS / IOT / REALTIME

**CONTACT @ 7639385448 / 8248885959 / 9566377454**

### IEEE PROJECTS 2023

IEEE01	Deep Network-Enabled Haze Visibility Enhancement for Visual IoT-Driven Intelligent Transportation Systems
IEEE02	SIEMS: A Secure Intelligent Energy Management System for Industrial IoT Applications
IEEE03	Sensorized Warfighter Weapon Platforms: IoT Making the Fog of War Obsolete
IEEE04	Untraceable and Unclonable Sensor Movement in the Distributed IoT Environment
IEEE05	Leveraging Commercial Communications for Defense IoT
IEEE06	Aerosense: A Self-Sustainable and Long-Range Bluetooth Wireless Sensor Node for Aerodynamic and Aeroacoustic Monitoring on Wind Turbines
IEEE07	A Random Forest Approach to Body Motion Detection: Multi-sensory Fusion and Edge Processing
IEEE08	Remote Health Monitoring System for the Estimation of Blood Pressure, Heart Rate and Blood Oxygen Saturation Level
IEEE09	Usage of AI and Wearable IoT Devices for Healthcare Data: A Study
IEEE10	A Survey of Network Automation for Industrial Internet-of-Things Toward Industry 5.0
IEEE11	Formation Control for Leader-Follower Wheeled Mobile Robots Based on Embedded Control Technique
IEEE12	Leakage Detection Using Low-Cost, Wireless Sensor Networks

IEEE13	Boosting stability of photonic multi-gas sensors
IEEE14	Sensor Module Combining Time-of-Flight With Self-Capacitance Proximity and Tactile Sensors for Robot
IEEE15	Recent Progress in Printed Physical Sensing Electronics for Wearable Health-Monitoring Devices: A Review
IEEE16	Process of RO's Waste Water Reuse & Water Management in Society by Using IOT Automation
IEEE17	IoT Device Auto-Tagging Using Transformers
IEEE18	Wireless Power Transmission for the Internet of Things (IoT)
IEEE19	IoT in Vehicle Presence Detection of Smart Parking System
IEEE20	Design and Analysis of IoT-Based Intelligent Robot for Real-Time Monitoring and Control
IEEE21	Battery State-of-Health Prediction-Based Clustering for Lifetime Optimization in IoT Networks
IEEE22	<u>IoT</u> Enabled Drip Irrigation System with Weather Forecasting
IEEE23	IOT based Electrical Device Surveillance and Control System
IEEE24	Design and Implementation of a Wearable Sensor Network System for IoT-Connected Safety and Health Applications
IEEE25	Smart Home Automation IoT System for Disabled and Elderly
IEEE26	AI based Diagnostic Service for IOT enabled Smart Refrigerators
IEEE27	Design and Analysis of IoT based Air Quality Monitoring System
IEEE28	IoT-Based Smart Hospital using Cisco Packet Tracer Analysis
IEEE29	Detecting IoT Botnets on IoT Edge Devices

## **IOT WITH RASPBERRYPI PROJECT:**

RS1	Drowsiness Detection System using Eye Aspect Ratio Technique
RS2	Energy-efficient Face Recognition Authentication System Using Human Detection IoT Modules
RS3	Smart Agriculture Using Internet of Things with Raspberry Pi
RS4	Real-Time Smart Home Surveillance System of Based on Raspberry Pi
RS5	Real Time Application of Vehicle Anti Theft Detection and Protection with Shock Using Facial Recognition and IoT Notification
RS6	Development of a Hand held device for Automatic License Plate Recognition
RS7	Smart Attendance System using QR Code
RS8	Raspberry Pi Based Smart Wearable Device for Women Safety using GPS and GSM Technology
RS9	Security Experiences in IoT based applications for Building and Factory Automation
RS10	Design and implementation of an embedded system for data transfer in a car using CAN protocol
RS11	An Efficient Car Parking Management System using raspberry-pi
RS12	Internet of Things (IoT) for Bank Locker Security System
RS13	Design of Raspberry Pi Web-based Energy Monitoring System for Residential Electricity Consumption

RS14	A Design of Intelligent Wearable Health Monitoring System Based on IoT
RS15	Statistical Time-based Intrusion Detection in Embedded Systems
RS16	IoT Assisted MQTT for segregation and monitoring of waste for smart cities
RS17	Real-time video monitoring of vehicular traffic and adaptive signal change using Raspberry Pi
RS18	Traffic Management by Monitoring Weather Parameters and Pollutants Remotely using Raspberry Pi
RS19	Secure Home Entry Using Raspberry Pi with Notification via Telegram
RS20	Low-Cost Industrial Controller based on the Raspberry Pi Platform
RS21	Design and Implementation of IoT based Energy Management System with Data Acquisition
RS22	Prototype Of Aquaculture Using Iot Technologies
RS23	Road Sign Recognition System for Autonomous Vehicle using Raspberry Pi
RS24	Design and Development of a Vehicle Safety Detection and Alarm System

## **IOT LIVE PROJECTS:**

IOT01	LED advertising board based on IOT E-CIRCULAR NOTIFICATION FOR STUDENTS THROUGH WIFI
IOT02	Toward a Wearable Crowdsourc System to Monitor Respiratory Symptoms for Pandemic Early Warning
IOT03	Provable Privacy Preserving Authentication Solution for Internet of Things Environment
IOT04	Optimized Energy – Efficient Path Planning Strategy in WSN With Multiple Mobile Sinks

IOT05	Smart electricity meter using IOT
IOT06	Smart Street lights using IOT
IOT07	Weather Report streaming with graphs using IOT
IOT08	Industry parameters monitoring and controlling system based on embedded web server
IOT09	IOT based Greenhouse monitoring and controlling system
IOT10	IOT Based Home Automation-Smart way to controlling your home from anywhere
IOT11	Implementation of Vehicle tracking system using IOT
IOT12	Automatic and instantaneous power station power quality monitoring system using IOT
IOT13	Virtual care taker-online patient monitoring system.
IOT13	Traffic lights Control System
IOT14	Cell Phone Tower Base Station Safety and Security System
IOT15	ZIGBEE or RF and internet based advanced street light controlling system
IOT16	Wireless Sensor Network for Energy Efficiency
IOT17	DAM Water Level Monitoring
IOT18	Women Safety Using IOT
IOT19	Solid Wastage Management System for Smart Cities
IOT20	Automated Street Light Control And Manhole Monitoring With Fault Detection & Reporting System For Municipal Department.
IOT21	Missing People Identification System Iot

## INNOVATIVE DESIGN:

IN01	Solar Based E-Uniform for Soldiers
IN02	Automatic Pet Feeding System Using GoogleAssistant and Node MCU
IN03	High Protection Voice Identification BasedBank Locker Security System
IN04	Smart Device for Blind People
IN05	Real Time Application For Vehicle Anti-TheftDetection And Protection With Shock Using Facial Recognition And Mail Notification
IN06	Seat Belt Alarm and Controlling of Vehicle
IN07	A Smart Access Control for Restricted Buildings Using Vehicle Number PlatesRecognition System
IN08	Smart Door Unlocking System with FaceRecognition
IN09	Microcontroller Application in Feeding FishUsing an Android Mobile
IN10	Farm Animal Location Tracking System UsingArduino and GPS Module
IN11	Advanced secured ATM system with three layer security protection
IN12	Designing of smart and secure single ATM card for multiple bank accounts
IN13	Real-time vehicle theft control system using engine temperature measuring technique
IN14	Smart electronic feedback system to save paper and time using RFID technology
IN15	Innovative digital energy meter with over load indicator and power theft control

IN16	RFID technology based reminder system for smart home
IN17	Advanced Smart energy saving system for modern railway station platform lighting control
IN18	Designing of user friendly paper presentation control system using RF technology with LASER light pointer
IN19	Design and development of a hand glove controlled wheel chair
IN20	Design of Concealed Alarm System Based Security system for Banks and shopping malls using GSM
IN21	Controlling multiple streetlights with single SMS with failure street light indication via SMS
IN22	Remote operated Smart electronic voice guider for physically disabled/bed ridden patients or old age people
IN23	Electronic security and tourist guider in multiple language for museums and exhibitions
IN24	Design of accurate universal digital clock using GPS for time synchronization applications
IN25	Design and development of touch and voice based electronic slat for kids
IN26	Digital Wallet
IN27	Smart Refrigerator
IN28	Smart Helmet or motor vehicles
IN29	Locker opening and closing system Using RFID, fingerprint, password And GSM

## **SENSORS PROJECTS:**

SENSOR01	Automatic Streetlight On/Off with SMS Controlling and light Failure detection with SMS indication.
SENSOR02	Supervisory control and data acquisition system (SCADA) using GSM modem
SENSOR03	UPS Battery monitoring system over GSM for High availability system
SENSOR04	GPS based border alert system for fishermen with boat speedometer
SENSOR05	Automatic power meter reading system using GSM network
SENSOR06	RFID and GSM based intelligent courier mailbox system with automatic delivery notification
SENSOR07	A smart GSM based embedded solution for continuous remote monitoring of cardiac patients Monitoring of patients via secure and mobile health care system using GSM
SENSOR08	GPS and GSM based office cab monitoring, alerting and loSENSORing system
SENSOR09	GSM Based Smart Information System For Lost ATM Cards
SENSOR10	Agriculture field motor control system using GSM
SENSOR11	Accident Identification System using GSM And GPS
SENSOR12	Home OR Industry Security System using GSM
SENSOR13	Industrial Electrical Devices Control System
SENSOR14	Automatic Fire Detection and Alert System
SENSOR15	Weather Monitoring system in remote places



SENSOR16	GSM based DC Motor Speed and Direction Control
SENSOR17	Embedded Automatic Robotic Car through SMS
SENSOR18	Substation Monitoring and Controlling System using GSM
SENSOR19	Water reservoir monitoring and pump system using GSM
SENSOR20	Speed Control of Thread Roller's AC motor in Spinning Mills using GSM Modem
SENSOR21	Real-time Industrial process controlling & monitoring using Mobile
SENSOR22	Intelligent System for Hazardous Gas, Human Detection and Temperature Monitor Control using GSM
SENSOR23	MARKS ANNOUNCEMENT SYSTEM THROUGH SMS
SENSOR24	Cell Phone based Street Light Controlling System
SENSOR25	Temperature Measurement over GSM Mobile
SENSOR26	Password protected GSM based Device control.
SENSOR27	GSM controlled Door Latch opener with Security Dialup with changeable Telephone number
SENSOR28	Development of a GSM based Vehicle Security System
SENSOR29	GSM based Vehicle gaseous fuel leakage detection with Automatic safety warning and alerting system
SENSOR30	SMS based Banking security system
SENSOR31	Home Automation and Security System using GSM
SENSOR32	College Timetable and notice board display with auto SMS to faculties
SENSOR33	Electronic protection to exam paper leakage

SENSOR34	Design and development of a modern vigilance control system to enhance the rail passenger safety using GSM and GPS technology
SENSOR35	Anti-theft Security System Using GSM, GPS, RFID Technology
SENSOR36	Locker opening and closing system Using RFID, fingerprint, password And GSM
SENSOR37	Position Matching Based Autonomous Speed Regulation System for Vehicles.

## **RFID PROJECTS:**

RFID01	RFID which detects the icons beside the road
RFID02	Electronic protection system to avoid exam paper leakages.
RFID03	Parent Alert System via SMS
RFID04	RFID based Shopping trolley
RFID05	Examination room guide using RFID
RFID06	RFID based attendance system
RFID07	HIGHWAY TOLL COLLECTION SYSTEM BASED ON RFID
RFID08	RFID security access control system
RFID09	RFID BASED PARCEL TRACING SYSTEM
RFID10	RFID based Ration Card
RFID11	RFID based Car Parking System
RFID12	RFID which detects the icons beside the road Automatic speed regulation of vehicles based on speed zones using RF technology

RFID13

Electronic protection system to avoid exam paper leakages