**EMBEDDED PROJECT TITLES 2022**

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| **SL.NO** | **EMBEDDED SYSTEMS** |
| ES001 | Anti-Theft Protection of Vehicle by GSM & GPS with Fingerprint Verification |
| ES002 | Intelligent Traffic Monitoring and Guidance System for Smart City |
| ES003 | Implementing Intelligent Traffic Control System for Congestion Control, Ambulance Clearance, And Stolen Vehicle Detection |
| ES004 | School Children Safety Transportation Using RFID with System GUI App |
| ES005 | Design and Implementation of Remotely Located Energy Meter Monitoring with Load Control and Mobile Billing System through GSM |
| ES006 | Dynamic Solid Waste Collection and Management System Based on Sensor, Elevator and GSM |
| ES007 | Arduino Based Biometric Authentication Vehicle Door Locking System |
| ES008 | Design and development of Drone Mounted Sprayer for Pesticide Applications to Crops |
| ES009 | Accidents and Disaster Management in Fireworks Industries |
| ES010 | Agricultural Pest Monitoring and Control System |
| ES011 | Helmet Operated Smart E-Bike (Smart Helmet Using Smart Vehicle) |
| ES012 | A Design of Remote Weather Factors Monitoring System in Forest Area |
| ES013 | Movement based Automatic Intensity Control of Street Lights |
| ES014 | Solar Powered Wheel Chair with Voice Controller for Physically Challenged Persons |
| ES015 | Earth Pollution Monitoring and Control System Using Wireless Sensor Networks |
| ES016 | Equipment Control and Environmental Monitoring Design of Smart Home |
| ES017 | Advance automatic breaking system for vehicle. |
| ES018 | Gesture-identification-using-sensors. |
| ES019 | Pollution-monitoring-and-alert-system-inside-a-car. |
|  | **INTERNET OF THINGS** |
| ES021 | Design and implementation of integrated model for warehouse inventory management using **Cloud Computing.** |
| ES022 | A **Cloud** based monitoring system for Heart attack detection through heartbeat sensing |
| ES023 | **IoT** Based flood monitoring system |
| ES024 | Research and design of embedded vehicle monitoring system based on **Cloud Computing technology** |
| ES025 | An **IOT** based human healthcare system using arduino Uno board |
| ES026 | **IOT** based greenhouse environment monitoring and controlling system using arduino platform |
| ES027 | **Cloud** based temperature monitoring system |
| ES028 | **IOT** based low cost system for monitoring of water quality in real time |
| ES029 | **IOT** based Railway Level Crossing Gate Control system |
| ES030 | **IOT** based remote monitoring and irrigation system for farmers |
| ES031 | Enhancement of Industrial automation with **Cloud Computing technology** |
| ES032 | Theft Intimation and remote control of the Vehicle using GSM and **IOT** |
| ES033 | An **IOT** Based Fire Alarming and Authentication System for Workhouse |
| ES034 | An **Cloud storage** Architecture for Waste Management for Smart Cities |
| ES035 | **IOT** Based Smart Crop-Field Monitoring and Automation Irrigation System |
| ES036 | Advanced **IOT** Based Combined Remote E-Health Monitoring, Home Automation and Alarm System |
| ES037 | Design and Implementation of An Automated and Decentralized Earth Pollution Monitoring System Using **IOT** And **Wireless Sensor Networks** |
| ES038 | Smart Traffic Management and Control System Using **Cloud computing**. |
| ES039 | Industrial Automatic to Provide Security to Industry and Labors Using **Internet of Things (IoT)** |
| ES040 | Industrial WSN Node Extension & Measurement System for Air, Water And Soil Monitoring System For People Protection From Cancer (Multiple) Deceases Using **IOT** |
| ES041 | Agricultural Environment Monitoring System Using Wireless Sensor Networks And **IOT** |
| ES042 | An **IOT** Based Fire Alarming and Authentication System for Workhouse Using arduino. |
| ES043 | **Cloud** based management system for Water Pumping and Storage Process Applied to A Water Treatment Plant |

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|  | **ROBOTICS** |
| ES051 | Developing and Modelling of Voice Control System for Prosthetic Robot Arm in Medical Systems |
| ES052 | A Design of Gesture Controlled Mobile Robot with Robotic Arm for Nuclear Environment |
| ES053 | Implementation of Spy Robot for A Surveillance System Using Internet Protocol of Raspberry Pi |
| ES054 | Autonomous Robot with Obstacle Avoidance, Drive Wheel Synchronization and Line Tracking Capability |
| ES055 | Electromagnetic Magnetic Type Pick and Place Robot for Materials Handling |
| ES056 | Live Human Detecting Robot for Earthquake Rescue Operation |
| ES057 | Embedded and Real Time System Design: A Case Study Fire Fighting Robot |
| ES058 | Arduino based battlefield assistive robot |
|  | **IOT BASED INDUSTRIAL MONITORING AND CONTROLLING** |
| ES061 | A Smart Photo Voltaic System with IOT a Case of Study the Smart Agricultural Green House |
| ES062 | IoT Based Smart Crop-Field Monitoring and Automation Irrigation System |
| ES063 | Design of Vegetable Greenhouse Monitoring System Based on Zigbee and GPRS |
| ES064 | IoT-Based Drone for Improvement of Crop Quality in Agricultural Field |
| ES065 | Agricultural Environment Monitoring System Using Wireless Sensor Networks and IoT |

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|  | **EMBEDDED SYSTEM FOR ELECTRICAL APPLICATION** |
| ES070 | Integration of Consumption Forecasting in Smart Meters And Smart Home Management Systems |
| ES071 | An Innovative Two-Level Model for Electric Vehicle Parking Lots in Distribution Systems with Renewable Energy |
| ES072 | Design of wireless sensor network for monitoring the performance of photovoltaic panel |
| ES073 | A Wireless Sensor System for Real-Time Monitoring and Fault Detection of Motor Arrays |
| ES074 | Efficient Solar Power Management System for Self-Powered IoT Node |
| ES075 | Power Line Fault Detection and Localization Using High Frequency Impedance Measurement |
| ES076 | Adaptive Dynamic Programming-Based Optimal Control Scheme for Energy Storage Systems with Solar Renewable Energy |
| ES077 | Impact of Power Electronic Sources on Transmission Line Ground Fault Protection |
| ES078 | A Smart Meter Design and Implementation Using Zigbee Based Wireless Sensor Network in Smart Grid |
| ES079 | Design and Implementation of Low-Cost SMS Based Monitoring System of Distribution Transformers |