



ECE EMBEDDED IOT PROJECTS LIST 2020

| S.No | Title Name | Platform |
|------|--|----------|
| 1 | Raspberry Pi Based Jarvis Themed Speaking Alarm Clock | IOT |
| 2 | Install WhatsApp On Raspberry Pi To Send And Receive Messages | IOT |
| 3 | IOT Controlled Home Automation Using Raspberry Pi And Particle Cloud | IOT |
| 4 | IOT Smart Garage Door Opener Using Raspberry Pi | IOT |
| 5 | Voice Controlled Home Automation Using Amazon Alexa On Raspberry Pi | IOT |
| 6 | Build A Raspberry Pi FM Transmitter | IOT |
| 7 | Raspberry Pi GPIO Control Using Amazon Alexa Voice Services | IOT |
| 8 | Publishing Temperature And Humidity Sensor Data To AWS - IOT Using Raspberry Pi | IOT |
| 9 | Raspberry Pi Twitter Bot Using Python | IOT |
| 10 | Raspberry Pi Ball Tracking Robot Using Processing | IOT |
| 11 | IOT Based Web Controlled Home Automation Using Raspberry Pi | IOT |
| 12 | Controlling Raspberry Pi GPIO Pins Using Telegram App | IOT |
| 13 | Raspberry Pi Motion Sensor Alarm Using PIR Sensor | IOT |
| 14 | Web Controlled Raspberry Pi Surveillance Robotic Car | IOT |
| 15 | IOT Raspberry Pi Smart Container With Email Alert And Web Monitoring | IOT |
| 16 | Raspberry Pi Surveillance Camera With Motion Capture | IOT |
| 17 | IOT Based Raspberry Pi Home Security System With Email Alert | IOT |
| 18 | Web Controlled IOT Notice Board Using Raspberry Pi | IOT |
| 19 | Google Assistant Based Voice Controlled Devices Using NodeMCU | IOT |
| 20 | Smart Wi-Fi Video Doorbell Using ESP32 And Camera | IOT |
| 21 | Log Temperature Sensor Data To Google Sheet Using NodeMCU ESP8266 | IOT |
| 22 | MQTT Based Raspberry Pi Home Automation: Controlling Raspberry Pi GPIO Using MQTT Cloud | IOT |
| 23 | IOT Based Biometric Attendance System Using Arduino And Things board | IOT |
| 24 | IOT Based Door Security Alarm Controlled By Google Assistant | IOT |
| 25 | IOT Based Security System With Voice Message Using ESP8266 | |
| 26 | Visitor Monitoring System With Raspberry Pi And Pi Camera | |
| 27 | IOT Based Led Notification Display Using NodeMCU/Raspberry Pi | IOT/RT |
| 28 | Controlling Industrial Electrical Devices Anywhere In The World Using Telegram Messenger | IOT |
| 29 | IOT Based Employee Login/Logout System Using RFID/Fps | IOT/RT |
| 30 | IOT Based Real-time Vehicle Tracker Using GPRS Technology | IOT/RT |
| 31 | Implementation Of Internet Of Things For Home Automation Using User Login System | IOT |
| 32 | GSM Based Agriculture Motor (5ph/7ph) Control System | RT |

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| 33 | IOT Based Smart Security System Using Fingerprint Sensor And Mail Service | RT |
| 34 | Id Card Barcode Scanner Based College Entering System Using IOT | RT/IOT |
| 35 | Fps And Barcode Detection System For Campus Gate Controlling | RT |
| 36 | Human Face Detection Based Home Door Opening System | RT |
| 37 | IOT Based Live Streaming System On Robot | IOT |
| 38 | Telegram Messenger App Based Checking Home Condition And Control System Using IOT | IOT |
| 39 | Messenger Based Wireless Notice Board Display System | IOT |
| 40 | Secrete Vehicle Tracking On Google Map And Auto Engine Off Using GPRS | IOT |
| 41 | Biometric Based Authentication System Live Image Capturing And Mail. | RT/IOT |
| 42 | IOT Based Unauthorized Push Notification And Alerting System Using Telegram App | IOT |
| 43 | Barcode Id Detection Based Student Attendance To Parents Through Push Notification (Telegram App) | IOT |
| 44 | IOT Based Student Library Management System Using Barcode Reader. | IOT |
| 45 | Realization Of A Low Cost Smart Home System Using Telegram Messenger And Voice | IOT |
| 46 | Arduino Based Security Access Control System For Colleges Using Barcode Technology | IOT |
| 47 | IOT Based Intruder Detection Warning System Via Telegram/Mail Server | RT/IOT |
| 48 | Raspberry Pi Based Traffic Density Monitoring And Controlling System | TRAFFIC |
| 49 | Motion Activated Wildlife Recording Camera Using Raspberry Pi | IOT |
| 50 | Image Processing Based Fire Detection Using Raspberry Pi | IOT |
| 51 | Challenges And Opportunities Of Waste Management In IOT-Enabled Smart Cities A Survey. | IOT |
| 52 | A Smart Approach On Collecting Working Condition Data From Home Appliances Under The Field Test | IOT |
| 53 | Secure IOT Platform For Industrial Control Systems | IOT |
| 54 | IOT Based Vehicle Tracking System. | IOT |
| 55 | IOT Based Occupancy Monitoring Techniques For Energy Efficient Smart Buildings. | IOT |
| 56 | An IOT Based Fire Alarming And Authentication System For Workhouse | IOT |
| 57 | RFID And GSM Based Stolen Vehicle Detection System. | IOT |
| 58 | Emergency Alert For Women Safety With Location. | IOT |
| 59 | Anti-Theft Protection Of Vehicle By GSM With Fingerprint Verification | IOT |
| 60 | RFID And ZIGBEE Based Logistics Monitoring System. | IOT |
| 61 | Face Reorganization System Based Door Access System. | IOT |
| 62 | Embedded Control System For Smart Walking Assistance Device. | IOT |
| 63 | Intelligent Pillbox Automatic And Programmable Assistive Technology Device | IOT |

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| 64 | Make Video Streaming Camera With Raspberry Pi | IOT |
| 65 | Multi-Language Voice Control IOT Home Automation System Using Google Assistant And Raspberry Pi | IOT |
| 66 | Face Recognition Using Raspberry Pi | IOT |
| 67 | Raspberry Pi Real-Time Face Recognition Doorbell | IOT |
| 68 | Capturing Images With USB Camera, Wi-Fi And Raspberry Pi | IOT |
| 69 | Raspberry Pi Based Weather Reporting Over IOT | IOT |
| 70 | Raspberry Pi Air & Noise Pollution Monitoring System IOT | IOT |
| 71 | Speaking System For Mute People Using Hand Gestures | IOT |
| 72 | IOT Smart Mirror With News & Temperature | IOT |
| 73 | Raspberry Pi Vehicle Number Plate Recognition | IOT |
| 74 | Voice Controlled Home Automation Using Raspberry Pi | IOT |
| 75 | Motion Based Time Lapse Camera With Optimized Storage | IOT |
| 76 | Motion Activated Wildlife Recording Camera Raspberry Pi | IOT |
| 77 | Drunk Driving Detection With Car Ignition Locking | IOT |
| 78 | Raspberry Pi Home Automation Project | IOT |
| 79 | IOT Home Automation Using Raspberry Pi | IOT |
| 80 | Camera Based Surveillance System Using Raspberry Pi | IOT |
| 81 | Automated Door Opener With Lighting Control Using Raspberry Pi | IOT |
| 82 | Linux Based Speaking Medication Reminder Project | IOT |
| 83 | Three-Way Door Lock Security System - Raspberry Pi - OpenCV | IOT |
| 84 | Smart Shopping Trolley With Automated Billing Using Arduino | IOT |
| 85 | Arduino Ultrasonic Sonar/Radar Monitor Project | IOT |
| 86 | Smart Dustbin With IOT Notifications | IOT |
| 87 | Fingerprint Based Bank Locker System | IOT |
| 88 | Fingerprint Vehicle Starter Project | IOT |
| 89 | Automated Car Parking With Empty Slot Detection | IOT |
| 90 | GSM Based Weather Reporting (Temperature/Light/Humidity) | IOT |
| 91 | Fingerprint Authenticated Device Switcher | IOT |
| 92 | Mobile Charging On Coin Insertion | IOT |
| 93 | Secure Fingerprint Bank Locker With Image Capture | IOT |
| 94 | IOT Based Toll Booth Manager System | IOT |
| 95 | A Proposed System For Advance Security And Automation In Metro Trains To Prevent Accidents | IOT |
| 96 | Arm11 Based RFID Access Control System With Live Image Capture | IOT |
| 97 | Bank Token Display System With Token And Counter Number Announcement System | IOT |
| 98 | Arduino Based Student Library Management System Using Barcode Reader | IOT |

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| | And Ethernet | |
| 99 | Home Automation Through E-Mail Using Raspberry Pi | IOT |
| 100 | Fire And Gas Detection With Mail Alert Using ARM Processor | IOT |
| 101 | Raspberry Pi Based Electronic Eye Dial-Up Using Iris Recognition Technology | IOT |
| 102 | Intelligent Vehicle Starter System By Using Smart Card And Fingerprint | IOT |
| 103 | Development Of Boom Bar Gate Hardware Interface To Raspberry Pi | IOT |
| 104 | Dual Secure Bank Locker System | IOT |
| 105 | Biometric Based Authentication System With Live Image Capturing And Mail Server Using Raspberry Pi | IOT |
| 106 | IOT Based Smart Intruder Detection System | IOT |
| 107 | Speaking System For Mute People Using Hand Gestures | IOT |
| 108 | Garbage Dustbin Management System And Reporting To Municipal Authorities Over IOT | IOT |

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