

**EMBEDDED MINI PROJECT LIST (2019-2020)**

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|  | **IOT BASED APPLICATIONS** |
| 1 | IOT BASED VEHICLE PARKING MANAGER. |
| 2 | SECURED IOT FLATFORM FOR INDUSTRIAL AUTOMATION. |
| 3 | IOT BASED E-HEALTH DATA ACQUISITION SYSTEM. |
| 4 | IOT BASED RATIONING SYSTEM IN FCI |
| 5 | AN INTELLIGENT SYSTEM AN ENVIRONMENT QUALITY REMOTE MONITORING SYSTEM USING IOT |
| 6 | IOT BASED EALDERLY PEOPLE MONITORING SYSTEM. |
| 7 | HOME ENERGY MONITORING AND CONTROLLING SYSTEM USING IOT |
| 8 | INTELLIGENT WASTE MANAGEMENT SYSTEM IN SMART CITIES BASED ON IOT |
| 9 | IOT BASED AGRICULTURE FIELD MONITORING SYSTEM |
| 10 | IOT BASED OCCUPANCY MONITORING TECHNIQUES FOR ENERGY EFFICIENT SMART BUILDINGS |
| 11 | IOT BASED SCHOOL CHILDREN TRANSPORTATION SYSTEM |
| 12 | HOME MONITORING SYSTEM BASED ON IOT |
|  | **ANDROID APPLICATION** |
| 13 | ENVIRONMENT SENSING USING SMART PHONE |
| 14 | HOME APPLIANCES CONTROL SYSTEM BASED ON THE ANDROID |
| 15 | HEALTH MONITORING SYSTEM BASED ON ANDROID |
| 16 | SMART RESTAURANT WITH E-MENU CARD |
| 17 | ACCESSIBLE DISPLAY DESIGN TO CONTROL HAN |
| 18 | A RFID & BLUE TOOTH BASED TOURIST SERVICE PROTOTYPE |
| 19 | ROBOT MOVEMENT CONTROLLING USING ANDROID |
| 20 | IDENTITY AUTHENTICATION FOR EXAMINATION SYSTEM |
|  21 | VEHICLE IMMOBILIZER USING FINGERPRINT SCANNING |
|  22 | FINGER AUTHENTICATION BASED DOOR SECURITY |
| 23 | SMART ACCESS CONTROL SYSTEM |
| 24 | FINGER PRINT BASED VOTING SYSTEM |
| 25 | DUAL SECURITY ACCESS BANKING SYSTEM BASED ON FINGER PRINT PASSWORD |
|  | **MOBILE COMMUNICATION** |
| 26 | WIRELESS HOME APPLIANCES CONTROLING SYSTEM |
| 27 | ANTI-THEFT SYSTEM FOR VEHICLE SECURITY |
| 28 | PATIENT MONITORING SYSTEM WITH AUTOMATIC SMS ALERT |
| 29 | ATM THEFT DETECTION & INTIMATION SYSTEM |
| 30 | GAS LEAKAGE DETECTION SYSTEM FOR CORPORATE INDUSTRIES |
| 31 | ADVANCE SECURITY AND AUTOMATION IN METRO TRAINS |
| 32 | ELECTRONIC PROTECTION FOR EXAM PAPER |
| 33 | BABY PRESENCE DETECTOR & WARNING SYSTEM IN CAR |
| 34 | ATM SECURITY WITH RFID AND ONE TIME PASSWORD (OTP) |
| 35 | IMPLEMENTATION OF CHILDREN ACTIVITY SYSTEM |
| 36 | DESIGN OF CONCEALED ALARM SYSTEM |
| 37 | WOMEN SAFETY & TRACKING SYSTEM USING GSM AND GPS |
| 38 | VEHICLE ACCIDENT PREVENTION USING EYE BLINK SENSOR |
|  | **AUTHENTICATION & ACCESS CONTROL SYSTEM** |
| 39 | A DIGITAL SECURITY SYSTEM FOR DOOR LOCK SYSTEM |
| 40 | A PREPAID WATER METER USING SMARTCARD |
| 41 | AUTOMATED TOLLGATE FARE COLLECTION SYSTEM |
| 42 | AUTOMATIC VEHICLE RC BOOK & DRIVING LICENSE VERIFICATION. |
| 43 | DESIGNING THE HAPTIC INTERFACE SYSTEM FOR THE DISABLED INDIVIDUALS |
| 44 | ELECTRONIC SHOPPING TROLLEY IN SUPER MARKETS |
| 45 | SMART DOOR ACCESSING SYSTEM |
| 46 | SMARTCARD BASED ANTI-RIGGING SYSTEM |
| 47 | RFID BASED STATION NAME ANNOUNCEMNET |
| 48 | ENHANCING MOBILE MUSEUM GUIDES WITH PUBLIC DISPLAY |
| 49 | STUDENT LOGIN AND LOGOUT MANAGEMENT SYSTEM  |
| 50 | PREPAID ENERGY METER USING SMARTCARD TECHNOLOGY |
| 51 | RFID BASED RATIONING SYSTEM |
|  52 | BUS IDENTIFICATION DEVICE FOR THE BLIND PEOPLE |
| 53 | AUTOMATED SPEED CONTROLLING OF VEHICLES  |
| 54 | INTELLIGENCE CHALLAN SYSTEM FOR ON ROAD SIGNAL VIOLATION |
| 55 | SMART SHOPPING CART INFO |
| 56 | REMOTE ACCIDENT REPORT SYSTEM FOR HIGHWAYS  |
| 57 | A REMOTE SLEEP-MONITORING MEDICAL ALARM SYSTEM |
| 58 | INNOVATIVE CONGESTION CONTROL SYSTEM FOR AMBULANCE  |
| 59 | BODY MOTION INFORMATION COLLECTION  |
| 60 | GESTURE BASED WIRELESS ROBOT GAMING  |
| 61 | ENERGY SAVING SYSTEM FOR RAILWAY PLATFORM  |
| 62 | PADDY CROP FIELD MONITORING SYSTEM |
| 63 | EARTHQUAKE DETECTION ALERT ALARM FOR PEOPLE SECURITY |
| 64 | PANTRY SYSTEM IN THEATERS |
|  | **ROBOTICS APPLICATIONS** |
| 65 | REMOTE OPERATED METAL DETECTING ROBOT |
| 66 | AUTONOMOUS ROBOT FOR REFINERY INSPECTION |
| 67 | GLOBAL ROBOT |
| 68 | AUTOMATED GUIDED VEHICLE |
| 69 | FIRE FIGHTING ROBOT |
| 70 | IMPLEMENTATION OF A MINI-SIZE SEARCH ROBOT |
|  | **ULTRASONIC & VOICE APPLICATIONS** |
| 71 | VOICE BASED PORTABLE MEDICATION REMINDER |
| 72 | HAND –TALK SYSTEM BY USING MEMS TECHNOLOGY |
| 73 | INDUSTRIAL PARAMETER MONITORING SYSTEM WITH VOICE ANNOUNCEMENT |
| 74 | VOICE BASED HEARTBEAT MONITORING FOR ELDER PEOPLE |
| 75 | INTELLIGENT HELMET SYSTEM |
|  | **GENERAL APPLICATIONS** |
| 76 | RTA SYSTEM FOR VEHICLE POLLUTION |
| 77 | PRE SCHEDULED COLLEGE BELL SYSTEM THROUGH PC |
|  78 | ENERGY MANAGEMENT SYSTEM WITH SENSORS NETWORK |
| 79 | ADVANCED TIME BASED SYSTEM FOR PUBLIC GARDEN |
| 80 | AIRPORT SECURITY WITH PROXIMITY SENSOR FOR BOMB DETECTION |
| 81 | PARKING SLOT INDICATOR FOR VEHICLES IN SHOPPING MALLS/APARTMENTS |
| 82 | THEFT DETECTION SYSTEM IN ATM’S USING CHLOROFORM |
| 83 | AUTOMATIC ENGINE LOCKING SYSTEM FOR DRUNKEN DRIVERS |
| 84 | INTELLIGENT LIGHTING SYSTEM FOR RAILWAY PLATFORMS |
| 85 | REAL TIME BATTERY MONITORING AND LOW VOLTAGE ALERT SYSTEM |
| 86 | AUDITORIUM DOOR OPENING AND ILLUMINATION LIGHTING SYSTEM |
| 87 | AUTOMATIC IRRIGATION SOIL MOISTURE CONTENT CONTROL |
| 88 | COMMAND BASED STREET LIGHT CONTROLLING THROUGH PC |
| 89 | SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) |
| 90 | REAL TIME EFFICIENT STREET LIGHT CONTROLLING SYSTEM |
| 91 | CAR DRIVING SYSTEM TO ASSIST THE PHYSICALLY CHALLENGED |
| 92 | HAND GESTURE BASED BIO MEDICAL APPROACH FOR DISABLES |
| 93 | GREEN BEE SMART BUILDING |
| 94 | COIN BASED MOBILE CHARGER |
| 95 | FIRE DETECTIONS IN BUSES |
| 96 | [PASSWORD BASED DOOR LOCK SYSTEM](http://www.electronicshub.org/password-based-door-lock-system-using-8051-microcontroller/) |
| 97 | AUTOMATED CONTROL SYSTEM FOR AIR POLLUTION DETECTION IN VEHICLES |
| 98 | ULTRASONIC SPECTACLES AND WAIST-BELT FOR VISUALLY IMPAIRED ANDBLIND PERSON |

Head office: 2nd floor, 2nd floor, Pancom Business Centre Opp: Chennai Shopping Mall, Ameerpet, Hyderabad ,Ph: 040 44433434

**Branch office: VIJAYAWADA, Ph: 9000404182.**