

EMBEDDED MINI PROJECTS 2017

| S. NO | ANDROID APPLICATION |
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| 1 | Android Based College Guide System With RFID Technology |
| 2 | Hospital Bed Side Patient Information Providence On Android |
| 3 | Blind Navigation System Using RFID For Indoor Environments |
| 4 | Android Application Controlled Locker With Password Security |
| 5 | Voice Enabled Switching Of Electrical Appliances For Visually-Impaired Persons |
| 6 | Interfacing Voice Guiding System For An Autonomous Robot |
| 7 | Android Based Speed And Direction Controller Of Electric Dc Motor. |
| 8 | Controlling Of Domestic Appliances Based On Android Application |
| 9 | Android Based Patient Health Monitoring System |
| 10 | Electronic Notice Board Operated Through Android Phone |
| 11 | Implementation Of Smart Restaurant With E-Menu Card |
| 12 | Library management system using Bluetooth |
| | FINGER PRINT & TOUCH SCREEN RECOGNITION |
| 13 | Finger Print Recognition System For Device Switching And Control |
| 14 | Finger Print Based Identity Authentication For Examination System |
| 15 | Finger Print Authentication Based Smart Vehicle Security System |
| 16 | ATM Terminal Design Is Based On Fingerprint Recognition |
| 17 | Time Attendance And Access Control System By Using Thumb Scanning Verification |
| 18 | Finger Print Based Secured Polling System |
| 19 | Finger Print & PIR Based Smart Security System |
| | MOBILE COMMUNICATION |
| 20 | Electronic Eye Dial Up |
| 21 | Electronic Protection For Exam Paper Leakage |
| 22 | GSM Based Wireless Home Appliances Controlling System |
| 23 | The Autonomous Recognition Of Left Behind Passengers In Parked Vehicles |
| 24 | Implementation Of Mobile Technology For Atomization Of Vehicle Parking |
| 25 | A Smart Anti-Theft Vehicle With In Built SMS System |
| 26 | Automatic Monthly Energy Meter Billing Over GSM To Users |
| 27 | ICU Patient Monitoring Automatic SMS Alert Using GSM |
| 28 | ATM Theft Detection Using MEMs Sensor And Sound Detection Alert Intimation System |
| 29 | LPG Gas Leakage Detection System With Global Alert For Corporate Industries |
| 30 | Advance Security And Automation In Metro Trains To Prevent Accidents |
| 31 | Design Of Concealed Alarm System Based On GSM |
| 32 | Child Presence Detector And Warning System In Car |
| 33 | ATM Security With RFID And One Time Password (OTP) Through GSM |

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| 34 | Implementation Of Children Activity Tracking System |
| 35 | A Wearable Device For Continues Detection And Screening Of Epilepsy During Daily Life |
| 36 | Dustbin Monitoring And Alerting System |
| 37 | Design And Implementation Of Automated Blood Bank Using Embedded Systems |
| AUTHENTICATION & ACCESS CONTROL SYSTEM | |
| 38 | A Digital Security System For Door Lock System Using RFID Technology |
| 39 | A Prepaid Water Meter Using Smartcard Technology |
| 40 | Design Of Intelligent Electronic Toll Collection System On Highways |
| 41 | Smart Card Technology Based Security System |
| 42 | Automatic Vehicle RC Book & Driving License Verification |
| 43 | Smart Card Based Advanced Fiscal Transactions |
| 44 | Development Of Electronic Shopping Trolley In Super Markets |
| 45 | Smart Door Accessing System |
| 46 | Smart Card Based Anti-Rigging System |
| 47 | RFID Technology Based Bus Location Announcement System |
| 48 | Enhancing Mobile Museum Guides With Public Display |
| 49 | RFID Based Institutional Attendance System |
| 50 | Prepaid Energy Meter Using Smartcard Technology |
| 51 | RFID Based Rationing System |
| 52 | Bus Detection Device For The Blind People Using RFID |
| 53 | Robot Position Estimation On A RFID-Tag System In Smart Floor |
| COMMUNICATION APPLICATIONS | |
| 54 | Automated Speed Controlling Of Vehicles Using RF Technology |
| 55 | Wrong Driving Identity With Intelligence Chelan Proof |
| 56 | Smart Shopping Cart |
| 57 | Remote Accident Report System For Highways Using RF Technology |
| 58 | A Remote Sleep-Monitoring Medical Alarm System |
| 59 | Innovative Congestion Control System For Ambulance |
| 60 | MEMs Based Body Motion Information Collection On Your PC |
| 61 | Gesture Based Wireless Robot Gaming By Using MEMs Technology |
| 62 | Energy Saving System For Railway Platform With Entry And Exit Time Data Storage |
| 63 | Paddy Crop Field Monitoring System |
| 64 | Earthquake Detection Alert Alarm For People Security |
| 65 | Pantry System In Theaters |
| ROBOTICS APPLICATIONS | |
| 66 | RF Based Metal Detecting Robot |
| 67 | Bluetooth Based Communication Of An Autonomous Mobile Robot For Refinery Inspection |
| 68 | Military Surveillance Car |

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| 69 | Micro Electro Mechanical Sensor (MEMs) Accelerometer/Gyroscope Based Self-Balancing Robot |
| 70 | Room Freshener Spraying Robot |
| 71 | Design And Implementation Of A Mini-Size Search Robot |
| ULTRASONIC & VOICE APPLICATIONS | |
| 72 | Voice Based Portable Programmable Medication Reminder |
| 73 | A Design Of A Hand -Talk System By Using MEMs Technology |
| 74 | WSN Based Industrial Parameter Monitoring System With Voice Announcement |
| 75 | Voice Based Heartbeat Monitoring And Alerting System For Elder People |
| 76 | Advanced Vehicle Control Systems (AVCS) |
| 77 | Intelligent Helmet System |
| SENSOR BASED APPLICATIONS | |
| 78 | Real Time Environment Monitoring System And Status Updating In PC |
| 79 | Power Saving System For Shopping Malls With Visitors Counting |
| 80 | Parking Slot Indicator |
| 81 | Intelligent Fire Detector With Automatic Water Sprinkler System To Avoid Fire Accidents |
| 82 | Automatic Efficient Street Light Controller Using RTC And LDR |
| 83 | Accident Avoidance System In Vehicle |
| 84 | Automated Home Area Control System |
| GENERAL APPLICATIONS | |
| 85 | Implementation Of Electronic Medical Record Of Patient Monitoring Database |
| 86 | Implementation Of Automatic Gate Controller And Vehicles Counter In Corporate Companies |
| 87 | Anesthesia Regularization Using Heart Beat Sensor |
| 88 | Caution System For Vehicle Pollution |
| 89 | Auto Metro Train To Shuttle Between Stations |
| 90 | Pre Scheduled College Bell System Through PC |
| 91 | PC To Microcontroller Communication Display In LCD |
| 92 | Energy Management System With Sensors Network |
| 93 | Advanced Time Based Parameter Controlling System For Public Garden |
| 94 | Airport Security With Automatic Door Open / Close System Using Proximity Sensor For Bomb Detection |
| 95 | Automatic Car Parking Slot Indicator For Arrival Vehicles In Shopping Malls/Apartments |
| 96 | Design & Implementation Of Theft Detection System In ATM's |
| 97 | Automatic Engine Locking System For Drunken Drivers |
| 98 | Intelligent Lighting System For Railway Platforms |
| 99 | Real Time Battery Monitoring And Low Voltage Alert System |
| 100 | Automatic Door Opening And Room Illumination Control System Using IR And LDR Sensors |
| 101 | Automatic Irrigation System On Sensing Soil Moisture |
| 102 | Automatic Monitoring And Controlling Of Auditorium |

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| 103 | Command Based Street Light Controlling Through PC |
| 104 | Supervisory Control And Data Acquisition (SCADA) |
| 105 | Real Time Clock Based Efficient Street Light Controlling System |
| 106 | Head Movement Controlled Car Driving System To Assist The Physically Challenged |
| 107 | Hand Gesture Based Bio Medical Approach For Disables |
| 108 | Green Bee Smart Building |
| 109 | Coin Based Mobile Charger |
| 110 | Automatic Door Opening System Operated By Movement Detection |
| 111 | Clap Based Device Control |
| 112 | Fire Detections In Buses |
| 113 | Password Based Door Lock System |
| 114 | Ultrasonic Sensor Based Reverse Parking Guidance System |
| 115 | Solar Tracking System Using RTC |
| 116 | Radio Frequency Based Remote Industrial Appliances Control System |
| 117 | Portable Roadside Sensors For Vehicle Counting, Classification And Speed Measurement |
| 118 | Heating And Cooling Suit For Military People |
| 119 | Automatic Car Wiper Control System With Rain Sensor |
| 120 | Drowsiness Detection System For Road Safety |
| 121 | Automatic Water Level Controller In Water Tanks |
| 122 | Automatic Detection Of Rain Fall For Protection Of Grape Field |
| 123 | Intelligent System For Train Engine With Automatic Gate Controlling |