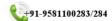


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Projects based on student innovation ideas

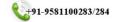
- RF Based Farmer friendly Agricultural Robot with motorized shovel control System with automatic seed dispensing system
- 2. Automatic Intelligent Industrial Object sorter with conveyor belt arrangement for color distinguishing and object count applications
- 3. Wireless Mobile Charger based on induction effect principle with antitheft protection system (Wireless power transformation)
- 4. Search and rescue robot for victims of earthquake and other natural calamities
- 5. Light Search and following robot
- 6. Blind Person Navigation system using GPS & Voice announcement
- 7. Over speed & unauthorized vehicle detection using IR based speed sensors
- 8. Auto speed control of solar car at specified locations like school zones / hospitals / residential areas
- Density based automatic traffic control system in metros
- 10. Touch screen and EEPROM smart card based ticket booking system
- 11. Pole climbing Robot for surveillance application with voice and image recording in SD card / Memory card
- 12. Intelligent helmet cop with alcohol detection to disable the engine ignition on detection of Alcoholic breath of the driver with audio alert system
- 13. Mobile Phone Signal Jammer Networks with Prescheduled Time Duration (Mobile Jammer)
- 14. RFID based toll tax system
- 15. RFID based electronic passport system for easy governance
- 16. Finger print based voting system for rigging-free governing
- 17. Implementation of model Radar target direction identifier with remote station alert system
- 18. Music transmission and reception with high S/N ratio using fiber optic communication
- 19. PC to Microcontroller Secured Data Communication using Fiber Optic





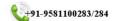
- communication
- 20. ZigBee based wireless remote weather station monitoring system
- ZigBee based Secured Wireless Data transmission and Reception
- 22. Design of Intelligent SMS based Remote electricity Metering and billing System
- 23. A Scheme for the Application of Smart Message Language in a Wireless Meter Reading System
- 24. Automatic Vehicle Accident Detection and Messaging System using GSM and GPS Modems
- 25. SMS based Wireless electronic notice board using GSM / CDMA / 3G mobile phone
- 26. Hand gesture based wheel chair movement control for the disabled using (Micro Electro Mechanical Sensor) MEMS technology
- 27. RF Controlled Robotic Boat to Travel in Water with Wireless Video And Voice
- 28. RF controlled Robotic ARM With Base Rotation. Elbow And Wrist Motion With a functional Gripper on a movable wireless controlled base car for pick and place applications
- 29. Wireless target recognition and counter attacking robot with laser gun activation
- 30. Head movement controlled car driving system to assist the physically challenged
- 31. Mining safety implementation of RF controlled Robotic Electronic Nose to detect dangerous gases for alerting mining workers and engineers for preventive actions - (This robotic nose can sense various odors and gases like methane, carbon monoxide, liquid petroleum gas etc - more sensitive than human nose)
- 32. Medicine Refrigeration for rural and flood affected areas Fast chilling solar based refrigerator with dual mode battery charging for preserving medicines
- 33. Aerodynamic wind mill with reverse charge protection for rural power





- generation applications with battery voltage analyser using AT89S52 MCU (IEEE 2011)
- Solar based E-Uniform for soldiers who work at extreme high temperature or extreme low temperature(same uniform can be used to Warm up or cool down body temp)
- 35. Foot step power generation system for rural energy application to run AC and DC loads Microhydel power generation system from building roof rain water flow to power AC / DC
- 36. loads with battery reverse charge protection (IEEE 2011)
- Petrochemical Level Indicator and Controller for Automation of cotton purification process in spinning mills using 89S52 MCU
- 38. Super sensitive Industrial Security System with Auto dialer and 60dB loud siren
- Electronic Notice Board with LED Dot Matrix Display and PS2 key board interfacing for user friendly message entry
- 40. EEPROM Based Prepaid energy meter with auto cut off on no balance
- 41. DTMF based Industrial automation and appliances control system for rural and agriculture applications
- 42. Design and implementation of maximum power tracking system by automatic control of solar panel direction according to the sun direction (Model Sunflower)
- 43. Digital Heart beat Rate monitoring system using AT89C51 MCU
- Automatic Active Phase selector for single phase load from three phase supply
- 45. Servo controlled voltage stabilizer with higher and lower cut off
- 46. Automatic Power factor corrector using capacitive load banks
- Advanced user controlled roof top antenna signal tracking system using AT89S52 MCU and 10RPM geared DC motor
- Advanced railway track fault detection with remote station messaging system using ZigBee communication





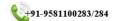


 Real - time atomization of agricultural environment for social modernization of indian agricultural system

Projects based on PSoC Mixed Signal Array

- 50. Light Intensity Based Street Light Control Using PSoC Mixed Signal Array
- Petrochemical level indicator and controller for automation of cotton purification industries using PSOC Mixed Signal Array
- 52. Industrial boiler temperature monitor & controller with PSoC Mixed Signal Array
- 53. PC based temperature data logger using PSoC Mixed Signal Array
- 54. Proximity Sensor based intelligent Security system using PSoC Mixed Signal Array
- 55. PWM control of DC motor using PSoC Mixed Signal Array
- 56. RF based Wireless Industrial Device control using PSoC Mixed Signal
- Auto turn off water pump with four different time slots using PSoC Mixed Signal Array
- 58. Design of irrigation control unit using PSoC Mixed Signal Array
- 59. ZigBee Based remote gas monitor system using PSoC Mixed Signal Array
- Wireless temperature measurement & auto control based on PSoC Mixed Signal Array
- Remote control of smart household based on DTMF using PSoC Mixed Signal Array
- 62. Multi point temperature data logger & display on pc by ZigBee & PSoC Mixed Signal Array Applications of MEMS in robotics and Bio-MEMS using PSoC Mixed Signal Array
- Development of gas leak detection based on wireless technology using PSoC Mixed Signal
- 64. Anti theft control system design using embedded





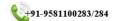
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- 65. Data transfer between PC and PSoC Mixed Signal Array using Fiber Optical Communication The temperature humidity monitoring system of soil based on wireless sensor networks using PSoC Mixed Signal Array
- 66. Implementation of high sensitive GSM signal detector with audio visual alert Indication using PSoC Mixed Signal Array

Projects based on Arduino Controller / ATMega8 / 168 / 328 Microcontroller

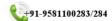
- 67. Mobile Phone Signal Jammer for GSM, CDMA and 3G Networks with prescheduled time Duration (Mobile Jammer) Using Arduino
- 68. Target Range Estimation using SONAR Technology using Arduino
- 69. Petrochemical Level Indicator and Controller for Automation of cotton purification process in spinning mills Using Arduino
- 70. Programmable temperature monitor and controller for industrial boilers & Ovens using Arduino
- 71. Arduino Based High sensitive LDR based power saver for street light control system
- 72. Wireless Patient Monitoring
- 73. Micro Controller Based Holter Monitor.
- 74. Portable Micro Controller System For Tremor Analysis
- 75. Stride Time Estimation Real Time Peak Detection Implemented On An 8 Bit Micro Controller
- Arduino Based Automatic Temperature based Fan Speed Controller
- 77. Arduino Based DC Motor speed control using PWM Technique
- 78. Arduino Based Real Time Clock based industrial automation using RTC
- 79. RTC based Digital Clock with 7-segment Display with 12 / 24 hours Using Arduino





- Design and implementation of maximum power tracking system by automatic control of solar panel direction according to the sun direction (Model Sunflower) Using Arduino
- 81. Digital Heart beat Rate monitoring system Using Arduino
- 82. RFID security access control system Using Arduino
- 83. RFID based electronic passport system for easy governance Using Arduino
- 84. RFID based Airport Luggage security scanning system Using Arduino
- Arduino Based Industrial appliances control system by decoding dual tone multi frequency signals on GSM / CDMA network.
- Arduino Based PC to Microcontroller Secured Data Communication using Fiber Optic Communication
- 87. Implementation of high sensitive GSM signal detector with audio visual alert Indication using Arduino
- 88. Arduino Based Wireless DC Motor Speed & Direction Control using IR (PWM and H-Bridge)
- 89. Arduino Based Wireless Electrical Apparatus Control System using IR
- 90. Arduino Based Temperature Monitoring and Display on 7-segment Display
- 91. Bluetooth based Wireless Device control for Industrial Automation Using Arduino
- Bluetooth based Robot Control for Metal Detection Applications Using Arduino
- 93. Digital control for home lighting systems with ZigBee Communication Using Arduino
- The temperature humidity monitoring system of soil based on wireless sensor networks Using Arduino
- Arduino Based Hand wheel chair movement control for the disabled using (Micro Electro Mechanical Sensor) MEMS technology
- RF Controlled Robotic Boat to Travel in Water with Wireless Video and Voice Using Arduino





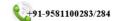
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- Arduino Based RF Controlled Fire Fighting Robot with high pressure water sprinkler
- Implementation of solar water pump control with four different time slots for power saving applications Using Arduino
- Next generation alternative energy storage application with super capacitors / ultra-capacitors with voltage analyzer using Arduino
- Arduino Based Foot step power generation system for rural energy application to run AC and DC loads
- 101. Anti theft control system design using embedded
- 102. Solar based mobile charger for rural areas (Charge your mobile anywhere with sunlight) with battery voltage analyzer using Arduino
- 103. Solar highway lighting system with auto turn off on day time with LCD display using Arduino Monochrome Image Display On GLCD using Arduino
- 104. IR remote Based Human computer interface mouse control for PC Using
- 105. LED panel to Display the user Message.

Projects based on ARM Processor ARM7 TDMI - LPC 2148

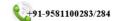
- Implementing character LCD Device Driver development on LPC2148
 ARM
- Implementation of Data Encryption Standard on ARM(ARM7TDMI)
 LPC2148
- 108. Design of vehicle positioning system based on ARM
- 109 Nerve And Muscle Stimulator





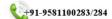
- Implementation of Serial port device driver using ARM 7 TDMI LPC2148
 Controller
- 111. Real time data acquisition using ARM 7 TDMI processor based LPC2148
- Interfacing of graphical LCD to LPC2148 ARM Based 32-bit microcontroller
- 113. Industrial Temperature Monitoring and controlling using ARM 7 TDMI LPC2148
- 114. Design And Development Of Embedded Media Player Using S3c2440 And SDL FFMPEG
- 115. Implementation of EEPROM Interfacing with I2C protocol using ARM 7
 TDMI
- 116. Wireless Patient Monitoring
- 117. Designation And Realization Of Ship Navigation System Embedded
 Platform Based On ARM
- 118. Research On Power Quality Monitoring System Of Oil Field Based On
- 119. Developing A Smart Camera For Gesture Recognition In Hci Applications
- 120. The Ecg Tele-Monitor Based On Embedded Web Server
- 121. Environmental Conditions Monitoring Inside Granary Based On ARM9 And Zigbee
- 122. License Plate Location For Vehicles Passing Through A Gate
- 123. Design Of Automatic Embedded Vision Authorized Vehicle Recognition System
- 124. A Voice-Driven Scene-Mode Recommendation Service For Portable Digital Imaging Devices
- Design Of Embedded Real Time Car Parking System Using Image Processing
- 126. The Research On Zigbee Baed Mine Safety Monitoring System
- The Electrical Ethernet Monitoring System Based On Embedded Web Server





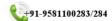
- 128. The Study On Design Speech-Control Power Point Presentation Tool Using ARM9
- 129. Stride Time Estimation Real Time Peak Detection Implemented On An 8 Bit Micro Controller
- 130. H-Bridge based DC Motor speed & Direction control using PWM using ARM 7 LPC2148
- 131. Design And Implementation Of Mouse Simulation Using Gestures On A Virtual Screen
- 132. A Paperless Fax Machine Using ARM9
- 133. Development Of Embedded Webserver On ARM9
- 134. Research And Implementation Of Embedded Face Recognition System Based On ARM9
- 135. Development Of Embedded Ethernet Drivers For ARM9
- 136. Design And Development Of Embedded Multimedia Terminal
- 137. A Low-Power, Low-Cost Automotive Touch Screen With Real Controls
- 138. Customization & Compilation Of Embedded Boot Loader (U-Boot) For ARM9
- 139. Design And Implementation Of Virtual Keypad In ARM9
- 140. Design Of Automatic Embedded Vision Of Or Code Recognition System
- 141. Real Time Car Theft Decline System Using ARM Processor
- 142. Petrochemical Level Indicator and controller for automation of Cotton Purification industries using ARM 7 TDMI processor based LPC2148 Controller
- 143. Intelligent LPG / Smoke Detector with Auto dialer using ARM 7 TDMI LPC2148
- 144. GSM based Remote Industrial appliances control system using ARM 7 TDMI LPC2148
- 145. GSM based advanced transformer load sharing system using ARM 7 TDMI LPC2148





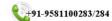
- 146. GSM based automatic vehicle accident detection with GPS based location identification and messaging system using ARM 7 TDMI processor based LPC2148 Controller
- 147. Design Of Tablet Pc By Using Android-Os In ARM9
- 148. Advanced mobile phone signal jammer for GSM, CDMA and 3G networks with prescheduled time duration using ARM 7 TDMI processor based LPC2148 Controller
- 149. A smart ZigBee based wireless weather station monitoring system using ARM 7 TDMI processor based LPC2148 Controller
- 150. Implementation of ZigBee based multipoint secured PC messaging system ARM 7 TDMI processor based LPC2148 Controller
- 151. Biometric finger print based electronic voting system for rigging free governance using ARM 7 TDMI processor based LPC2148 Controller
- 152. Biometric finger print based bank locker system using ARM 7 TDMI processor LPC2148
- 153. Automatic photovoltaic panel direction control for maximum power tracking using ARM 7
- 154. TDMI processor based LPC2148 Controller
- 155. Auto turn off for water pump with four different time slots using ARM 7 LPC2148
- Real-time atomization of agricultural environment for social modernization of indian agricultural system (IEEE 2010)
- Improved structure of solar tracker with ARM7tdmi (LPC2148) based control
- 158. GSM-GPS integration for enhancing public transportation (IEEE 2010)
- 159. Remote control of smart household based on DTMF (IEEE 2010)
- Adaptive beat to beat heart rate estimation in Ballistocardiogram (IEEE 2011)
- A bi-directional guard system design of car based on GPS & GSM (IEEE 2010)





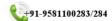
- An artificial landmark design based on mobile robot localization and navigation
- 163. Applications of MEMS in robotics and Bio-MEMS (IEEE 2011)
- 164. Development of gas leak detection and location system based on wireless technology
- 165. Hazardous gas detecting method applied in coal mine detection robot (IEEE 2011)
- 166. Monitoring and alARMing system based on ZigBee Technology (IEEE 2011)
- 167. Research on the method of automatic obstacle avoidance robot (IEEE 2011)
- 168. The remote control of mobile robot based on embedded technology (IEEE 2011)
- 169. Data transfer between pc and LPC2148 controller using fiber optical communication
- 170. GSM Based Remote Monitoring Intelligent System Based on Fingerprint
 Door Lock using ARM7
- 171. GSM Based Train Reservation System using ARM7
- 172. Implementation of Solar Fridge with fast chilling Applications with temperature Monitoring using ARM7
- 173. Hand Gesture Based Wheel Chair Movement Control For The Disable With MEMS Using PWM Technique
- 174. Design of an Intelligent SMS based Remote Metering System Using ARM7
- 175. GSM Based Greenhouse Remote Monitoring System Using ARM7
- 176. Anti-Theft Control System Design Using ARM7
- 177. The Design of Tungsten Mine Environment Monitoring System Based on Wireless Sensor Networks Using ARM7
- 178. An RFID-Based System for Pilgrim Management Using ARM7
- 179. Robot Navigation System with RFID and Sensors Using ARM7
- 180. Design of the Smart Vehicle Control System Based on ARM7
- 181. Mobile operated Water Robot Using ARM7 Based LPC2148
- 182. The Design and Implement of Embedded Remote Control System in





- Industrial Pick and Place Robot Based on ARM7
- 183. GPS Navigation system with Voice alert for blind people with user recordable locations and messages using ARM7
- 184. Implementing UC/OS- II Kernel Based RTOS Using ARM7 TDMI (lpc2148) based Controller
- 185. Advanced artificial eye implementation for detecting monochrome objects for industrial automation, object sorting and material separation applications with DC geared motor fitted conveyer belt arrangement using ARM7 TDMI based LPC2148
- 186. Design and implementation of car driving controller system for physically handicapped Using ARM7
- 187. Multi-Functional Car with Accident Alert Sensor Using ARM7
- 188. Wireless Patient Health Monitoring System Using ZigBee ,RFID , GSM with wireless automatic doctor alerting through SMS Using ARM7
- 189. Photovoltaic powered advanced railway track fault inspection system with remote station alert using advanced ZigBee communication with ARM 7TDMI based LPC2148 Microcontroller
- Solar Driven Vehicle With Drunken People Identification With Auto Ignition Disable Function Using ARM7
- 191. Vehicle Identification Data Monitoring And Verification System For Traffic And RTO Using Zigbee Technology Based on ARM7
- 192. Model Radar Implementation, Signal Detection And Various Frequencies Identification With Remote Station Alerting System Using ARM7
- 193. Touch Screen Based Wireless Smart Home Automation System Using ARM7
- 194. Implementation of High Sensitive GSM Signal Detector with Audio Visual Alert Indication Using ARM7
- 195. Wireless ATM security with GSM and MEMS Using ARM7
- Petrochemical Level Indicator and Controller for Automation of cotton purification process in spinning mills Using ARM7





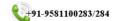
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- 197. Automatic Dam Gate Control System with Caution AlARM Using ARM7
- 198. Design And Implementation Of Digital Clock with 16x2 LCDUsing ARM7
- 199. Embedded Rigging free Electronic Voting System with instant results Using ARM7
- 200. Embedded Quiz monitoring system with team performance evaluation Using

Bar Code Reader / RFID / Smart Card / I-Button **Projects**

- 201. Item-level RFID in a retail supply chain with stock-out-based substitution **IEEE 2011**
- 202. Designing of RFID based Sensor Solution for Packaging Surveillance Applications IEEE 2011
- 203. Improving security and usability of low cost RFID tags improving security and usability of low cost RFID tags IEEE 2011
- 204. Unveiling the Potential of RFID-Enabled Intelligent Patient Management
- 205. Using RFID for anti-theft in a Chinese electrical supply company: A costbenefit analysis
- 206. Fast identification of the missing tags in a large RFID system IEEE2011
- 207. RFID based attendance system
- 208. RFID based prepaid car parking system
- 209. RFID based patient information system
- 210. RFID based Electronic road pricing system
- 211. RFID based toll tax system
- 212. RFID based banking system for secured transaction
- RFID security access control system
- 214. RFID based electronic passport system for easy governance
- 215. Smart card based access control system
- 216. Smart card based electronic passport system
- 217. RFID based Library Automation System





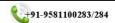
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- 218. RFID based Airport Luggage security scanning system
- Electronic Passport And The Future Of Government Issued Rfid Based Identification
- 220. Rfid And Zigbee Based Manufacturing Monitoring System
- Rfid Technology And Zigbee Networking In Improving Supply Chain Traceability
- 222. Smart Digital Door Lock For The Home Automation
- 223. Supermarket Shopping Guide System Based On Internet Of Things
- 224. A Sensor Network Based On Rfid Inventory For Retail Application
- 225. Security Access Control System using Bar Code Reader
- 226. Library Automation using Bar Code Reader
- 227. RFID and ZIGBEE based manufacturing monitoring system
- 228. The design and implementation of intelligent campus security tracking system based on RFID and ZIGBEE
- 229. Remote Parent Care (RFID & GSM)
- 230. Design of Smart Nodes for RFID Wireless Sensor Networks
- 231. Large Scale Active RFID System Utilizing Zigbee Networks
- 232. Vehicle Tax Pay And Access System
- 233. Fiscal Access Control System Using Smartcard
- 234. Modern Security System For Fiscal Transaction
- 235. Elegant Library Management System Using Rfid

MEMS BASED

- 236. An Embedded Speaker Module By Detecting The Hand Gestures Of A Dumb Person Using MEMs.
- 237. Hand Gesture Recognition Technology Based Wireless Surveillance Bomb Diffusing Robot With Mobile Jamming Technique Using MEMs Technology.
- 238. Mobile Human Airbag System For Fall Protection Using MEMs Sensors.







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EEPROM BASED

- 239. An embedded speaker module by detecting the voice signal of a dumb person using microphone.
- 240. Dynamic Acoustic for Interpreting the Distorted Noise Signals of the Dumb Person into a Suitable Predefined Voice Signal.

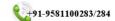
Biometrics / Finger Print Modules

- 241. Finger print based access control system
- 242. Finger print based bank locker system
- 243. Finger print based electronic passport system
- 244. Finger print based voting system for rigging-free governing
- 245. Finger print based driving license management system
- 246. Finger print based attendance system
- 247. Finger print based electrical device control system
- 248. Prepaid coffee dispenser with biometric recharge using finger print module
- 249. Color Recognition Embedded System With Augmented Reality Concept And Finger Interaction

Projects based on Microchip Controller - PIC 16F877A

- 250. Data transmission and reception from PIC 16F877A MCU to PC's hyper terminal using RS-232 communication using PIC microcontroller
- 251. Coin operated water vending machine with refrigerator temperature controller with cool / normal water dispenser using PIC microcontroller
- 252. Petrochemical level indicator and controller for automation of cotton purification process in spinning mills using PIC microcontroller
- 253. Electronic complaint record system with administrator play back using PIC





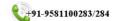
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- microcontroller. Speed and direction control of DC motor using PIC microcontroller using PWM and $\rm H-bridge$
- 254. Real time clock based industrial automation using dallas RTC and I2C protocol using PIC
- 255. Design of a VoIP media stream encryption device
- 256. Temperature monitoring on 7-segment display using PIC MCU for industrial boilers and ovens
- 257. Stepper motor control using PIC microcontroller for robotic applications
- 258. Embedded rigging free electronic voting system with instant results using PIC microcontroller
- 259. Dc Defibrillation Calibration Unit.
- 260. Nerve And Muscle Stimulator
- 261. Pace Maker Demonstration Unit
- 262. R-Wave Detection & Bpm Measurement
- 263. Portable Micro Controller System For Tremor Analysis
- 264. Password based access control system protocol using PIC microcontroller
- 265. Design and implementation on the intelligent management system of garage

SENSOR BASED

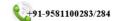
- 266. Distance Measurement By Using Ultrasonic Sensor And Automatic Speed Control Of Robots To Prevent Accidents.
- 267. Temperature Monitoring And Controlling By Using DC Motor.
- 268. A Collision Predict Based Local Path Planning of Mobile Robots with Survive Lance Camera with Audio.
- 269. An Automation System For Energy Saving And Accident (Fire And Gas Leakage) Detector Using Integrated Zigbee And Sensor In Big Industry.
- 270. Design and implementation of pyroelectric infrared





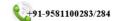
- 271. A Network Video Device Based on Specific Target Tracking
- 272. Non-Invasive Continuous Bp Measurement
- 273. Automation Of Ration Products Distribution System
- 274. Wireless Access Monitoring and Control system based on Digital Door Lock
- 275. Sensor Network Based Oil Well Health Monitoring And Intelligent Control
- 276. Research On Method For Real Time Monitoring Dynamic Vehicle Loading
 Based On Multi Sensors
- 277. Route Planning And User Interface For An Advanced Intelligent Transport System
- 278. The Implementation Of Serial Communication Embedded Technology In
 The Vehicle Alcohol Lock
- 279. Ultrasonic Spectacles And Waist-Belt For Visually Impaired And Blind
 Person
- 280. An Accelerometer Based Digital Pen With A Trajectory Recognition Algorithm For Hand Written Digital And Gesture Recognition
- 281. Development Of Multi-Functional Sensor Module For Energy Saving Air Conditioner System
- 282. Remote Surveillance System For Driver Drowsiness In Real-Time Using
 Low-Cost Embedded Platform
- 283. Design Of Embedded Automatic Detection Of Human Faces In Uncontrolled Environments: Identification Of Direction And Movement
- 284. License Plate Location For Vehicles Passing Through A Gate
- 285. Design Of On-Line Interactive Data Acquistion And Control System For Embedded Real Time Applications
- 286. Evidence Collecting System from Car Black Boxes
- 287. Detection Of Sudden Pedestrian Crossings For Driving Assistance Systems
- 288. Design For Motion Detection System Based On Embedded Linux For Military Application
- 289. The Protection Of Water Resources Environmental
- 290. The Research Of Qt_ Embedded And Embedded Linux Application In The Intelligent Monitoring System





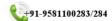
- 291. Design Of Embedded System For Automated Road Surveillance System For Speed Voilation Detection
- 292. Intelligent Quick Fire Detecting Alerting And Control Robot For Preventing The Further Damage Using UV And Fire Sensor.
- 293. Real-Time Atomization Of Agricultural Environment For Social Modernization Of Indian Agricultural System.
- 294. Palpatation Panel Based Automation
- 295. Palapatation Screen Based Driving System
- 296. Automatic Breaking System for Avoiding the Accidents Using Ultrasonic and PWM
- 297. Innovative System For Industrial Protection Using Different Sensors.
- 298. Deploying Zigbee Sensor Network for Vibration Measurement.
- 299. Intelligence Fire Detection, Control Robot to Deviating the Direction and Stop the Fire Using Fire Sensor, Fan and Water Sprinkler.
- 300. Development Of An Embedded System By Using RFID Based Door Control System.
- 301. Wireless Measurement And Control System For Environmental Parameters In Green House.
- 302. Driverless Car for Avoiding Accidents with PIR and IR Sensor.
- 303. Microcontroller based Oximeter for undergraduate capstone Design.
- 304. Automatic Street light controlling system using PIR and zigbee.
- 305. Smart house security system using multi sensors with wireless camera.
- 306. Heartbeat monitoring system and Tele Alerting.
- 307. Distance measuring system and automatic braking system using IR sensors.
- 308. Solar tracking system using LDR and its application for mobile charger.
- 309. Conveyor Belt with Pick and place object system.
- 310. Room temperature controlling based on the strength using PWM Technique.
- 311. Automatic bottle filling system using IR sensors and stepper motor.
- Water level indicator using electrodes.





- Solar powered vehicle w ith automatic obstacle avoidance system, using ultrasonic Sensor.
- 314. Fall Detection By Built-In Tri-Accelerometer Of Smartphone
- 315. Moving Bridge This system provides the security in three w ays: automatic gate Opening/closing system at bridge crossing, signaling for the bridge to close/open, and Tracking the signals.
- 316. IR based hand signs voice announcement for dumb people.
- 317. A Real-Time Wireless Brain-Computer Interface System for Drowsiness Detection.
- 318. Automatic Railway Crossing Gate Controller Using IR And RF Communication.
- 319. A Microcontroller Based IR Range Finder System with Dynamic Range Enhancement.
- 320. Material Handling (X, Y, Z Motion Control) For Lifting Heavy Objects In Industries
- 321. Automatic Room Light Controller With Visitor Counter (IR Sensor And Light Dependent Resistor) Using AVR Micro Controller.
- 322. Bascular Moving Bridge Control System For Controlling The Bridge Gate With Out The Intervention Of Human Personnel Using IR.
- 323. Intelligent Object Counting System Using Entrance And Exit IR Sensors For General Applications.
- 324. Wireless Data Communication Through I R Led And I R Detector.
- 325. Automatic Street Light Based Power Saving System for Detecting Night Mode Using Light Dependent resistor.
- 326. Driverless Car for Avoiding Accidents with PIR and IR Sensor.
- 327. AVR Microcontroller Based Autonomous Robot Using IR Sensors For Finding The Path.
- 328. A More Efficient Energy Management System Based On Zigbee Communication And Infrared Remote Control





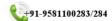
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- 329. Digital Control System For Modern Driverless Trains To Avoid The Train Accidents Caused By Track Removing.
- Wireless Digital Fuel Indicator For Cars To Avoid Sudden Stoppage Of Vehicle.
- 331. IR Based Remote Device Switching (IR Remote) To Control External Devices Connected To The Microcontroller

Advanced Wireless Communication System Wi-Fi / ZigBee / Bluetooth / RF / IR

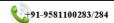
- 332. Wireless Data Encryption and Decryption for Secured Communication using RF
- 333. The Applications Of Wi-Fi Based Wireless Sensor Network In Internet Of Things And Smart Grid
- 334. An Extensible Embedded Terminal Platform For Wireless Tele-Monitoring
- 335. Research Of Intelligent Greenhouse Remote Monitor System Based On Embedded Network And Wireless Transmission Technology
- 336. The Research Of The Zigbee And Rfid Fusion Technology In The Coal Mine Safety
- 337. The Design And Implementation Of Intelligent Campus Security Tracking System Based On Rfid And Zigbee
- 338. Missile Detection And Automatic Destroy
- 339. Wireless Electrical Apparatus Control System with Speed Control of AC motor in a plant using RF communication
- 340. Wireless DC Motor Speed and Direction Control using RF Communication
- 341. Wireless Stepper Motor Control using RF Communication
- 342. Wireless Electronic Notice Board with Multi Point Receivers using RF Communication System
- 343. Developing Voice Control System For Zigbee Based Home Automation Networks





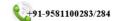
- 344. Rfid And Zigbee Based Manufacturing Monitoring System
- 345. Infopods Zigbee-Based Remote Information Monitoring Devices
- 346. Application And Evaluation Of High Power Zigbee Based Wireless Sensor Network In Water Irrigation Control Monitoring System
- 347. Design Of Monitoring System For Coal Mine Safety Based On Wireless Sensor Network
- 348. Implementation Of Zigbee-Gsm Based Home Security Monitoring And Remote Control System
- 349. The Research On Zigbee Baed Mine Safety Monitoring System
- 350. Over Speed Identification With Zigbee And Rfid
- 351. Design Of Monitor-And- Control System Ofr Supermarket Fresh Area Based On Zigbee
- 352. Design And Development Of The Lab Remote Monitoring System Based
 On Embedded Web Technology
- 353. The Research On Zigbee Baed Mine Safety Monitoring System
- 354. Environmental Conditions Monitoring Inside Granary Based On ARM9 And Zigbee
- 355. Time Attendance System With Multi Station And Wireless Communications
- 356. Pen Drive To Pen Drive Data Transfer Without Pc
- 357. Design Of Reliable Transmission Protocol For Zigbee-Based
- 358. An Automation System For Energy Saving And Accident (Fire And Gas Leakage) Detector Using Integrated Zigbee And Sensor In Big Industry.
- 359. Mobile Embedded Systems For Home Care Applications Using Zigbee And RF Transmitter And Receiver.
- 360. The System Of Wireless Smart House Based On GSM And Zigbee.
- 361. Pc To Pc Communication By High S peed Secure Data Transmission Using Zigbee Technology.
- 362. Compact Zigbee Wireless Communication Based Hand Held Unit For Controlling The Robot With In 1 Km.





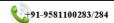
- 363. Computer Networking For Transferring The Data Between Two Devices Located At Different Places Using Zigbee Module .
- 364. Deploying Zigbee Sensor Network for Vibration Measurement.
- 365. High Speed Data Secure Transmission And Reception From The Hackers Using Zigbee.
- 366. Development Of Pollution Monitoring System For Detecting Waste Gas (Co And Methane) Using Gas Sensors And Zigbee Module.
- 367. Low Cost Pollution Monitoring And Control System For Metropolitan Cities Using Zigbee.
- 368. Two-Way Wireless Data Messaging System For Rural Areas Using Zigbee Technology.
- 369. Wireless Network Remote Guidance System For The Blind Using Voice Board And Zigbee.
- 370. Wireless Communication Based Pick And Place Robot ARM Using Zigbee For Industries.
- 371. Wireless Data Communication Through IR Led And I R Detector.
- 372. Wireless Vehicle System For Tracing Path By Using IR Sensors And Zigbee Module.
- 373. Wireless Voice Controlled Robot Using Voice Recognition Kit (Hm2011).
- 374. Zigbee Based Wireless Electronic Notice Board With Multi Point Receivers.
- 375. Zigbee Based Wireless Remote Weather Monitoring System In Remote Areas
- 376. Zigbee Based Wireless Remote Weather Station Monitoring System For Knowing Changes In Weather In Critical Places.
- 377. Zigbee Based Wireless Sensor Network For Sewerage Monitoring.
- 378. ZigBee Based Intelligent Helmet for Coal Miners.
- 379. Streetlight Monitoring System Based on Wireless Sensor Networks using ZigBee Communication.
- 380. High Power Zigbee Based Wireless Sensor Network in Water Irrigation Control Monitoring System.
- 381. A Smart Zigbee Based Wireless Sensor Meter System.





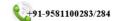
- High performance ZIG-BEE protocol implementation for RF communication.
- 383. Remote controllable and climate adaptive energy saving room architecture based on Zigbee.
- 384. Zigbee based vehicle access control system.
- 385. Adding new functions to the remote airfield lighting system.
- 386. Wireless temperature monitoring system based on the zigbee technology.
- 387. Design and implementation of the zigbee based body sensor network system.
- 388. Forest fire detection system based on a zigbee wireless sensor network.
- 389. Smart and Intelligent Assistance System based on Wireless Robotic Systems.
- 390. Wireless Stepper Motor Control using IR Communication
- 391. Wireless DC Motor Speed and Direction Control using IR (PWM and H-Bridge)
- 392. Wireless Electrical Apparatus Control System using IR communication
- 393. Wireless Temperature Monitoring on Remote Seven-segment Display using
- 394. ZigBee based Secured Wireless Data transmission and Reception
- 395. ZigBee based Wireless Electronic Notice Board with Multi Point Receivers
- 396. Two-way Wireless Data Messaging System for Rural Areas using ZigBee Technology
- 397. Bluetooth based Wireless Device control for Industrial Atomization
- 398. Bluetooth based Robot Control for Metal Detection Applications
- 399. RF based tsunami detection and remote alert system with 60dB siren
- 400. Streetlight Power Cable Monitoring System Based on Wireless Sensor Networks using ZigBee communication.
- 401. ZigBee based wireless remote weather station monitoring system
- 402. Advanced railway track fault detection with remote station messaging system using ZigBee communication
- 403. RFID and ZIGBEE based manufacturing monitoring system





- 404. The design and implementation of intelligent campus security tracking system based on RFID and ZIGBEE
- 405. Secured data transmission and reception using Wi-Fi technology
- 406. Wireless Fetal Heartbeat Monitoring System Using ZigBee and IEEE 802.15.4 Standard
- 407. Digital control for home lighting systems with ZigBee communication
- 408. The temperature humidity monitoring system of soil based on wireless sensor networks
- 409. Over speed & unauthorized vehicle detection using IR based speed sensors
- 410. Auto speed control of solar car at specified locations like school zones / hospitals / residential areas
- 411. Density based automatic traffic control system in metros
- 412. A Remote Controlled Robotic ARM with Gripper to Lift the Weights and Place it in Required Places Using RF Technology.
- Automatic speed reduction in crowdy areas using stepper motor and RF communication.
- 414. RF power meter reading system for a Locked House .
- 415. RF Based Wireless Remote for Advanced Steward Calling System In Airlines/Flights.
- 416. Wireless Automatic Speed Control at Sensitive Zones by Using RF Module.
- Automatic Railway Crossing Gate Controller Using IR and RF Communication.
- 418. Innovative vehicle for travelling on water and land and in air.
- 419. Channel RF Based Wireless Remote Control of Devices in Home/Office Using AVR Micro Controller.
- 420. Incoming/Outgoing vehicle alert from main gate to control office using SMS transmitting through RF module.
- 421. Mobile Embedded Systems for Home Care Applications using zigbee and RF transmitter and receiver.



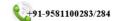


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- 422. Wireless speed and direction control of dc motor using RF communication using AVR microcontroller.
- Modern house automation (ac/dc) using RF communication for power saving.
- 424. Wireless Electrical Apparatus Control System with Speed Control of AC motor in a plant using RF communication.
- 425. Wireless Multipurpose 4 channel RF Remote for controlling the devices using AVR microcontroller.
- 426. Wireless Remote Control of Devices in Home/Office Using RF
- 427. Vehicle over Speed Control System.
- 428. Wireless Data Encryption and Decryption for Secured Communication using
- 429. Micro controller based fire monitoring system in petro chemical industries using RF Communication.
- 430. Detecting the conditions of remote areas through data acquisition system using RF.
- 431. Robot/Robotic ARM control using RF.
- 432. RF based wireless weather station.
- 433. Hovercraft.
- 434. Wireless Electronic notice board with multi point receivers using RF.
- 435. Heart beat and respiratory measurement.
- 436. Blood oxygen measurement.

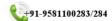
Mobile & Satellite Communication GSM / CDMA / DTMF / GPS / 3G / GPRS





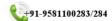
- 437. Security Integrated system based on wireless access protocol for industrial applications with SMS alert system using GSM modem
- 438. Design and development of activation and controlling of home automation system via SMS through microcontroller
- 439. SMS based PWM Speed and Direction control of DC motor using H-Bridge and GSM
- 440. An Implementation embedded system of vehicle detection, tracking and counting objects for Traffic Surveillance System
- 441. Research And Development Of Communication Between Pc And Mobile Base On Embedded System And Gprs
- 442. A Smart Home Security system Based On 3G
- 443. Development Of Short Message Service (SMS) Application For School Usage
- 444. Controlling Robot By GSM Through SMS
- 445. Body Temperature And Electrocardiogram Monitoring Using An SMS-Based Telemedicine System
- 446. Remote Controlling And Monitoring System To Control Electric Circuitry Through Sms Using A Microcontroller
- 447. Design And Development Of Real Time Vehicle Tracking System
- 448. Gps-Gsm Integration For Enhancing Public Transportation Management Services
- 449. Implementation Of Zigbee-Gsm Based Home Security Monitoring And Remote Control System
- 450. Field Variable Monitoring In Real Time (Gps. Soil Moisture, Temperature) With Precision Farming Applications
- 451. Pir Based Motion Detection Monitoring With Alert Using Gsm/gprs Technology
- 452. Gps Vehicle Theft Identification And Tracking And Control System
- 453. Designation And Realization Of Ship Navigation System Embedded Platform Based On ARM
- 454. Application Of Gprs Technology In Water Quality Monitoring System





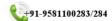
- 455. Real Time Sms-Based Hashing Scheme For Securing Financial Transactions On Atm Terminal
- 456. Automatic power meter reading using gsm network
- 457. Mobile monitoring system for smart home
- 458. Gsm based advertising display system using
- 459. Design of vehicle positioning system based on ARM
- 460. Remote Parent Care (RFID & GSM)
- 461. SMS based Speed control of thread roller's AC motor in spinning mills using GSM
- 462. Design of an Intelligent SMS based Remote electricity Metering and billing System
- 463. Supervisory control and data acquisition system (SCADA) using GSM modem
- 464. Intelligent real time automatic transformer load sharing and remote control system using GSM modem
- 465. Advanced real time vehicle tracking system using GPS modem
- 466. Automatic Vehicle Accident Detection and Messaging System using GSM and GPS
- 467. Design and development of SMS based Car Engine control system to prevent car theft
- 468. Mobile phone signal jammer for GSM, CDMA and 3G networks with user selectable pre scheduled time duration (Mobile Jammer)
- 469. SMS based Wireless electronic notice board using GSM / CDMA / 3G mobile phone
- 470. Smart parking reservation system using short message services (SMS)
 IEEE2010
- 471. SMS based railway reservation system using GSM modem
- 472. Smart parking reservation system using short message services
- 473. Blind Person Navigation system using GPS & Voice announcement





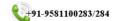
- 474. A Prototypic Design Approach for Automotive Telemetric On-Board Unit Platform (Atop) Using AVR Powered NFC (Near Field Communication) Technology.
- 475. Microcontroller Based Wireless Automatic Device Control System Using GSM Module.
- 476. Wireless System For Knowing The Bus Position And Empty Seats In Bus Using GPS-GSM Modules.
- 477. Vehicle Tracking System Using GPS & GSM for Finding the Theft Vehicle.
- 478. Wireless Street Light Controlling System From Any Where Using GSM And Cell Phone.
- 479. Wireless System For Knowing The Bus Position And Empty Seats In Bus Using GPS-GSM Modules.
- 480. Wireless Accident Detection System For Transmitting The Information Of Bus To Police Station Using GPS -GSM And Vibration Sensor.
- 481. Path Tracking Of An Unicycle Robot With A Wide-Type Wheel Aimed For Navigation By Using GPS Module.
- 482. Routing And Tracking System For Mobile Vehicles In Large Area.
- 483. Security System For ATM Using GSM, FPRS, Keypad.
- 484. Wireless System For Transmitting The Information Of The Bus To The Bus Station Using GPS And GSM.
- 485. Identifying Objects Using RF Transmitters and Receivers and Retrieving data Using GSM.
- 486. Plant Humidification for Agricultural Land Using GSM.
- 487. Duplex Audio and Video Communication System for A Remote Guidance for the Blind Using GSM and GPS.
- 488. An Embedded System for Security Purpose Using Finger Print and Keypad.
- 489. A Versatile Highway Mishap Positioning System And Bio Parametric Identification Techniques Using Nano Id And Global Position Modems(HMPS).
- An Embedded Mobile ECG Reasoning System For Elderly Patients Using RFID And GSM.





- Automatic Vehicle Security And Accident Detection Messaging System Using GSM And GPS Modems.
- Design Of An Intelligent Remote Metering System For Fast Accurate And Secured Information Using GSM.
- 493. Embedded System For Transmitting The Information Of High Speed Vehicle To Police Station Using GSM And RFID.
- 494. Global Positioning System For Displaying The Location In Any Unknown Areas Using LCD And GPS.
- 495. GPS & GSM Based Car Security System And Remote Accident Indication System.
- 496. GSM Based ECG Tele-Alert System For Sending The Abnormal Conditions
 To Doctor
- 497. GPS-GSM Integration for Enhancing Public Transportation Management Services.
- 498. A Prototypic Design Approach for Automotive Telematics On-board Unit Platform (ATOP) Using ARM Powered NFC (Near Field Communication) Technology.
- 499. Autonomous vehicle with GPS Navigation.
- 500. GSM based automatic door locking system.
- 501. GSM Based Home Security System.
- 502. Real time atomization of agricultural environment for social modernization of Indian Agricultural system.
- Research on long-range and metering reading for water meter based on GPRS.
- 504. A mobile GSM sensors array for air pollution monitoring.
- 505. Real Time ECG Measurement & visualization of Mobile Biotelemetry monitoring station.
- 506. SMS based PWM Speed and Direction control of DC motor using H-Bridge and GSM Modem.
- 507. Engine monitoring through mobile phone.
- 508. GPS based road traffic monitoring system.





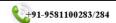
TECHNOLOGY LEARNING CENTER ...Finishing School for Engineer's

- 509. Water level indicator and control system using GSM.
- Supervisory control and data acquisition system (SCADA) using GSM Modem
- 511. SMS based Remote Electricity Metering and billing system.
- 512. Security Integrated system based on wireless access protocol for industrial applications with SMS alert system using GSM modem.
- 513. GSM Based Device monitoring and controlling with fencing security system.
- 514. Development of Remote Waste Gas Monitor System.

Robotics / Solar Robotics / Wireless MEMS Technology Robotics

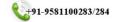
- 515. Implementation of artificial eye for Intelligent Line Following Robot application
- 516. RF Controlled Metal Detecting Robot with Remote Voice And Image
 Transmission to assist bomb detection and rescue team
- 517. Design And Implementation Of Low Cost Intelligent Wheelchair
- 518. Robotic ARM With Base Rotation, Elbow And Wrist Motion With A Functional Gripper for pick and place applications
- 519. Intelligent Autonomous six legged robot to operate on uneven surfaces
- 520. Remote GSM Mobile phone controlled Robotic ARM with Base Rotation, Elbow and Wrist Motion with a Functional Gripper
- 521. Hand gesture based wheel chair movement control for the disabled using (Micro Electro Mechanical Sensor) MEMS technology
- 522. Visual Detection Of Objects In A Robotic Work Area Using Hand Gestures





- 523. A Color-Based Target Localization Method And Its Implementation On Embedded Auto-Mobile Robot System.
- 524. Design Of Embedded Traffic Sign Detection And Recognition For Intelligent Vehicle
- 525. Embedded Control System Design For Coal Mine Detect And Rescue Robot
- 526. Design And Development Of Weather Monitoring Flying Machine
- 527. Implementation Of Obstacle Avoidance And Zigbee Control Functions For Omni Directional Mobile Robot
- 528. Controlling Robot By Gsm Thorugh Sms
- 529. Development Of Robot Controlled By Object Movement
- 530. The Design Of Intelligent Robot Based On Embedded System
- 531. Development Of Robotic Sewerage Blockage Detector Controlled By Embedded Systems
- 532. A Low Cost Microcontroller Implementation Of Neural Network Based Hurdle Avoidance Controller For A Car-Like Robot
- 533. Design And Development Of Human Tracing Robo
- 534. Hand gesture recognition technology based wireless surveillance bomb diffusing robot with mobile jamming technique using MEMS technology
- 535. RF Controlled Robotic Boat to Travel in Water with Wireless Video And Voice
- 536. RF Controlled Fire Fighting Robot with high pressure water sprinkler
- 537. LPG Detecting Robot with wireless Voice And Image Transmission for industrial
- 538. Mems Accelerometer Based Nonspecific-User Hand Gesture Recognition
- 539. Bluetooth based Robot Control for Metal Detection Applications
- 540. DTMF based human less boat control for ocean research applications
- 541. Wireless target recognition and counter attacking robot with laser gun activation
- 542. Autonomous Guide Cane for blind or visually impaired travelers using IR
- 543. Intelligent Wall Follower Robot





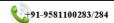
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- 544. Head movement controlled car driving system to assist the physically challenged
- 545. Mining safety implementation of RF controlled Robotic Electronic Nose to detect dangerous gases for alerting mining workers and engineers for preventive actions - (This robotic nose can sense various odors and gases like methane, carbon monoxide, liquid petroleum gas etc - more sensitive than human nose)
- 546. RF Based Farmer friendly Agricultural Robot with motorized shovel control System with automatic seed dispensing system
- 547. Automatic Intelligent Industrial Object sorter with conveyor belt arrangement for color distinguishing and object count applications
- 548. Pole climbing Robot for surveillance application with voice and image recording in SD card / Memory card
- 549. Search and rescue robot for victims of earthquake and other natural calamities
- 550. Light Search and following robot

Solar / Wind / Green House / Renewable Energy Sources

- 551. Medicine Refrigeration for rural and flood affected areas Fast chilling solar based refrigerator with dual mode battery charging for preserving medicines
- 552. Solar based air compressor pump for car bike tire inflate
- 553. Solar based high efficient vacuum cleaner capable of capturing even 40 microns small dust
- 554. Implementation of Solar inverter for home / garden / street light applications
- 555. Real Time Clock based solar LED street light automation using Dallas RTC and I2C protocol
- 556. Implementation of solar water pump control with four different time slots for



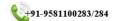


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- power saving applications
- 557. Design and implementation of maximum power tracking system by automatic control of solar panel direction according to the sun direction (Model Sunflower)
- 558. Application Of Environmental Management On Energy Saving And Green House Gas Reduction
- 559. Aerodynamic wind mill with reverse charge protection for rural power generation applications with battery voltage analyser using AT89S52 MCU (IEEE 2011)
- 560. Next generation alternative energy storage application with super capacitors / ultra capacitors with voltage analysier using AT89S52 MCU (IEEE 2011)
- 561. Solar based E-Uniform for soldiers who work at extreme high temperature or extreme low temperature (same uniform can be used to wARM up or cool down body temperature)
- 562. Foot step power generation system for rural energy application to run AC and DC loads
- 563. Hand cranked dynamo based energy generation system for emergency headlamp applications for mining workers and engineers who work under ground and dark conditions
- 564. Micro hydel power generation system from building roof rain water flow to power AC / DC loads with battery reverse charge protection (IEEE 2011)
- 565. Farmer friendly Solar based electric fence for rural agriculture with battery voltage analyzer using AT89S52 MCU
- 566. Solar based mobile charger for rural areas (Charge your mobile anywhere with sunlight) with battery voltage analyzer using AT89S52 MCU
- 567. Solar highway lighting system with auto turn off on day time with LCD display

PC Based projects





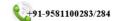
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- 568. PC based Appliances control in a plant using PCs parallel port (C-Language)
- Communicating to 89S52 MCU through windows hyper terminal using RS-232
- 570. PC Based stepper motor control for robotic applications
- 571. PC Based DC Motor speed and direction control using PWM and H-Bridge
- 572. PC Based Hi-Tech industrial automation with auto / manual modes of operation
- 573. PC to Microcontroller Secured Data Communication using Fiber Optic cable
- 574. PS2 Controlled mouse for controlling Robot using RF transmitter and receiver.
- 575. PS2 keyboard based text message transmission using GSM.
- 576. PS2 keyboard based wireless data transmission between two
- 577. Robotic ARM manipulator using PS2 protocol.
- 578. PS2 + Zigbee based high speed data transmission.

AT89S52 Microcontroller Based Projects

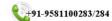
- Petrochemical Level Indicator and Controller for Automation of cotton purification process in spinning mills using 89S52 MCU
- 580. Super sensitive Industrial Security System with Auto dialer and 60dB loud siren





- 581. Coin operated fortune telling system with dancing LED effect
- 582. Embedded Quiz monitoring system with team performance evaluation
- 583. Programmable temperature monitor and controller for industrial boilers & ovens
- 584. High sensitive LDR based power saver for street light control system
- 585. Embedded Rigging free Electronic Voting System with instant results
- 586. Embedded Password based Access Control System using I2C protocol
- 587. Automatic Temperature based Fan Speed Controller
- 588. Embedded Automatic Car Parking System using AT89C51 MCU
- 589. High sensitive IR based Unmanned Railway Gate Control using AT89C51
 Microcontroller
- 590. Automatic Room Light control with Visitor Counting for power saving applications in seminar halls
- 591. Embedded automatic two gate interlock for toll tax system
- 592. DC Motor speed control using PWM Technique
- 593. Real Time Clock based industrial automation using Dallas RTC and I2C protocol
- 594. Jogger bench using PWM Technique and H-Bridge with person fall detection & prevent ion Electronic Notice Board with LED Dot Matrix Display and PS2 key board interfacing for user friendly message entry
- 595. Automatic School Bell with user defined time schedule using I2C protocol
- 596. Implementation of artificial eye for Intelligent Line Following Robot application
- 597. EEPROM Based Prepaid energy meter with auto cut off on no balance
- 598. Digital Code converters BCD to Grey / Excess-3 / 7-segment
- 599. DTMF based Industrial automation and appliances control system for rural and agriculture applications
- 600. Auto turn off for water pump with four different time slots for power saving applications
- 601. Embedded concentration tester Touch Me Not using AT89S52
- 602. Stepper motor control using AT89S52 for robotic applications





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- 603. Automatic Dam Gate Control System with Caution AlARM
- 604. Automatic Active Phase selector for single phase load from three phase supply
- 605. Electronic Private Automatic Branch Exchange System with call forward and call pcik up
- 606. RTC based Digital Clock with Seven-segment Display with 12 / 24 hours mode
- 607. Gold and Silver Rate Display System with EEPROM Data Back up System
- 608. Design and implementation of maximum power tracking system by automatic control of solar panel direction according to the sun direction (Model Sunflower)
- 609. Implementation of Path clearing assist stick and obstacles detection safety cap for the blind
- 610. Digital Heart beat Rate monitoring system using AT89C51 MCU

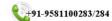
RTC BASED

- 611. Advanced power saving system for building management system using real time clock chip/EPROM with I 2C protocol.
- 612. Microcontroller Based Traffic S ignaling System Using Real Time Clock(RTC).

PROTOCOL BASED

- 613. I2C protocol based real time clock control application.
- 614. Zigbee protocol based wireless chatting.
- 615. Zigbee protocol based high speed data transmission.





- 616. PS2 protocol based robot control with multiple features.
- 617. Interfacing keyboard and mouse to the micro controller using PS2protocol.

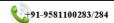
LASER BASED

- 618. Laser based high speed data transfer.
- 619. Laser based wireless music station.
- 620. Laser based wireless chatting.

Touch Panel / Graphical LCD / Speech / Voice / Human-Machine-Interface (HMI)

- 621. Design and development of GSM mobile phone using touch screen based keypad
- 622. Touch screen and wireless communication based personal assistant for Dumb and illiterate in Airlines
- 623. Touch Screen based Voice Announcement System for blind and Dumb/illiterates in Airlines by using zigbee module.
- 624. Touch screen based remote controlled robot with remote voice and image transmission with LPG and metal detection capabilities
- 625. Touch screen based wireless smart Home Automation System
- 626. Touch screen controlled dimmer light for next generation apartments
- 627. MEMS Based Human computer interface mouse control for PC with windows media player controller
- 628. User independent voice commands based robot control with remote voice and image transmission.





- 629. A Highly Area Efficient Controller For Capacitive Touch Screen Panel Systems
- 630. Speech Recognition enabled smart home automation for the blind and physically challenged.
- 631. Voice operated intelligent Elevator
- 632. Voice enabled switching device and security system with auto dailer and 60db loud siren
- 633. User dependent speech Recognition based security access control system.
- 634. Advance GSM based calling bell system for deaf and dumb
- 635. Intelligent touch panel based menu ordering system for restaurants
- 636. RC5 IR remote Based Human computer interface mouse control for PC with windows media player controller
- 637. Microcontroller based text to speech converter for the dumb
- 638. Touch screen and EEPROM smart card based ticket booking system



