PROJECT IDEAS

Electrical Engineering Projects List

- 1. Transformer Protection Panel
- 2. Working Model Of Maglev
- 3. Maximum Power Point Tracking
- 4. Motorised Wheel Chair
- 5. Controller Of Electrical Vehicale
- 6. Deregulation Of Energy Sector
- 7. Cathodic Protection
- 8. Radial Feeder Protection
- 9. PLC Based System
- 10. Numerical Relay
- 11. Measurement Of Electrical Parameters
- 12. Variable Frequency Drive
- 13. 3 Phase Analayzer
- 14. Modeling And Simulation Of Congestion Management In Transmission Sector Of Deregulated Electricity Market.
- 15. Electrical Bicycle
- 16. Survey Of Industries In Surat
- 17. Speed Control Of D.C Shunt Motor Using Four Quadrant Chopper
- 18. Speed Control Of Separately Excited D.C Motor Using Ã,µp
- 19. Cyclo- Converter 1- Phase To 1- Phase
- 20. Digital Filter Design & Itâ,,¢S Application
- 21. Computer Aided Power Flow Analysis
- 22. Microstepping Of Unipolar Stepper Motor
- 23. Speed Control Of 3 Phase Induction Motor By V / F Method Using PWM Technique
- 24. Measurement Of Inrush Current In Transformer
- 25. Microprocessor Based Power Factor Measurement & Control
- 26. 8085 Based Protective Relay
- 27. Microcontroller Based Digital Energy Meter
- 28. Electronic Power Generator Using Transistor
- 29. Measurement Of Inrush Current In Transformer
- 30. Microstepping Of Unipolar Stepper Motor
- 31. Computer Aided Power Flow Analysis
- 32. Speed Control Of D.C Shunt Motor Using Four Quadrant Chopper
- 33. Microprocessor Based Power Factor Measurement & Control
- 34. Cycloconverter 1- Phase To 1- Phase
- 35. 8085 Based Protective Relay
- 36. Speed Control Of Separately Excited D.C Motor Using Ã,µp
- 37. Microcontroller Based Digital Energy Meter

- 38. Speed Control Of 3 Phase Induction Motor By V / F Method Using PWM Technique
- 39. Digital Filter Design & Itâ,,¢S Application
- 40. Electrical Bicycle
- 41. Survey Of Industries In Surat
- 42. Electronic Power Generator Using Transistor
- 43. Solar Tracking System
- 44. Working Model Of Solar Power Plant
- 45. Speed Control Of D.C Motor Using D.C Drives
- 46. Prepaid Card Energy Meter
- 47. Vector Controlled AC Drive
- 48. Reciprocating Motor A. / C Relay
- 49. Construction & Design Of Three Phase I H.P Motor
- 50. Micro-Controller Based Differential Protection Of Transformer
- 51. Design Optimization Of Three Phase Squirrel Cage Induction Motor
- 52. Speed Control Of D.C Motor Using Simulation
- 53. Micro-Controller Based Control Of Any Electrical Machine
- 54. Inverter (MOSFET Based)
- 55. V / F Speed Control Of Three Phase Induction Motor
- 56. Linear Induction Motor (Design & Performance, Analysis)
- 57. PLC Based Boiler Control System
- 58. Microprocessor Based Robot
- 59. Power Factor Correction Using Microprocessor
- 60. 3 Phase Squirrel Cage Induction Motor Design
- 61. 3 Phase Squirrel Cage Induction Motor Design
- 62. Speed Control Of Dc Shunt Motor
- 63. Protection Of 3 Phase Induction Motor
- 64. Speed Control Of Universal Motor Using Microcontroller
- 65. Computer Aided Design Of Transformer
- 66. Microprocessor Based Power Meter
- 67. Microprocessor Based Speed Control Of Induction Motor
- 68. Data Acquisition System
- 69. UPS
- 70. Gsm Controlled Door Latch Opener With Security Dialup With Changeable Telephone Numbers (Based)
- 71. Power Grid Control Through Pc
- 72. I.V.R.S. System For Industrial Control
- 73. Rf Control Of Induction Motors And Other Industrial
- 74. LOADS
- 75. Microcontroller Based G.S.M. Controlled Switch With Voice
- 76. Six Channel Petrochemical Fire Monitoring & Control Station
- 77. Based Token Number Display With Voice & Security
- 78. Home/Office Security System (Teleguard)
- 79. Ibm Pc Hdd, Fdd, Printer Signal Indicator And Fault Locator Cards (Set Of Three Cards)
- 80. Mini Lcd Scope
- 81. ELECTRONIC EYE BASED
- 82. ELECTRONIC EYE BASED WITH EVENT LOGGING ON PC

- 83. Hotel Power Management Through PC
- 84. Ã,µc Based PT- Temperature Controller
- 85. Microcontroller Based Code Lock With Security Telephone Dialer
- 86. Real Time Channel Data Logger
- 87. Ch Data Logger Through Radio Link
- 88. Load Shedder
- 89. Home Automation Through P.C.
- 90. Inductance, Capacitance And Frequency Meter.
- 91. Pc To Pc Laser Communication
- 92. Pc To Pc Fiber- Optic Communication
- 93. Bilge Oil Water Separator
- 94. Automatic Toll Tax
- 95. Automatic Control Of Unmanned Rail Gate
- 96. Auto-Answering With Security Dial-Up
- 97. Programmable Logic Controller (Plc)
- 98. Heart Beat Monitor (Based)
- 99. Intelligent Sauna Bath Control System
- 100. Remote Monitoring And Alarm On Pc Using Radio Link
- 101. Eight Channel Data Logger Chased
- 102. Control System For Modern House
- 103. Pain Monitor
- 104. Patient Monitoring System
- 105. R.F. Controlled Intelligent Robot Car With Cordless Video-Cam . Sends Video & Sound On Monitor/Tv

Continuously. Can Be Used For Spying Purpose Range Yards Radial . Based On Microcontroller

- 106. Pwer House Monitoring Through Radio Frequency
- 107. Dc Motor Speed Control Using Radio Frequency ()Suitable For Robotic Arm (Two Angle)
- 108. Dc Motor Speed Control From Pc Com Port()Suitable For Robotic Arm (Two Angle)
- 109. Dc Motor Speed Control Through Push Switches()
- 110. Telephone Calls Logger (Logs All Incoming And Outgoing Calls To Pc)
- 111. Rfid Tx And Rx Kit With Two Ids (Security Application
- 112. Rfid Tx And Rx Kit With Two Ids (Route Map Application)
- 113. Rfid Tx And Rx Kit With Two Ids (Attendance Register)
- 114. Home Appliances Control Through Pc
- 115. Safe Landing System
- 116. Build Your Own // Programmer
- 117. Build Your Own Embedded Development Board Pc
- 118. Real-Time Industrial Process Control And Monitoring Using Gsm Phones
- 119. Line Follower Robot
- 120. Light Follower Robot
- 121. Infra Red Control For Pc
- 122. Driver Alert
- 123. Contact Less Techo Generator
- 124. Heart Beat Monitor With Wave On Lcd(Pic Based)
- 125. Ir Follower Robot
- 126. Parking Radar
- 127. Multi Core Cable Tester
- 128. Kitchen Timer

- 129. Room Thermometer
- 130. Digital Lock
- 131. Photic Phone
- 132. Pic Lcf Meter
- 133. Radio Frequency Remote Control Board (Control Eight Relays)
- 134. Microcontroller Based Security Dial Up With Event Logging To Pc
- 135. Home Automation Using Gsm
- 136. Gsm lvrs
- 137. Automatic Toll Tax With Voice Using
- 138. Industrial Automation & Monitoring System

ADVANCE PROJECTS

1.Zigbee Based Hospital Automation with online graph and WAP

- 2. Infant Incubator Parameter Sensing & Monitoring through ZIGBEE Wireless
- 3. Eye ball Sensor for automatic wheel chair movement for paralysed patients
- 4. Automated Environmental Friendly Vechicle System
- 5. Home appliances control using voice Dictation
- 6. Pc based Wireless Weather monitoring System
- 7. Embedded System Based Interlocking Sytsem For Chemical And Pharmacheutical Industries
- 8. Wireless Roaming Web Cam
- 9. Voice Controlled Wireless Multitasking Rover
- 10. SALVO RTOS Based Data Acquisition System and control with PC Interface
- 11. SUN SAIL Tracking Elliptical Path Of The Sun
- 12. Home/Industrial Automation using GSM With Voice Feedback.
- 13. Embedded PIC MC based_Electronic Trivector Meter
- 14. Embedded Pic Microcontroller Based Power Multimeter
- 15. Control of substation equipments thro mobile phone.
- 16. Embedded Pic Microcontroller Based Motor Protection System
- 17. Energy Management System For Pulse Output Meters
- 18. IVRS Based Home Automation With Immediate Voice Feedback
- 19. Voice Controlled Wheel Chair Robot for Physically challenged.
- 20. Micro controller based Antilock Braking System using Proximity Sensors
- 21. PCB Drilling Machine using Cartesian bot
- 22. Programmable Grass Shredding Robot
- 23. Automatic Valet Parking System using conveyors
- 24. Programmable Surface Cleaning Robot using Blowers
- 25. Embedded System Based Automatic Furnace Control For Improvement Of Hardness On Materials
- 26. Interactive Telemarketing Device For Advertisement Agencies With Human Approach
- 27. Single Phase to 3 Phase Converter For Driving 3 Phase Motor using Single Phase
- 28. Temperature And Humidity Measurement System for Agricultural Applications
- 29. Embedded System based Automatic Furnace control for improvement of Hardness on materials.

- 30. Embedded System controlled Electroplating System
- 31. Embedded System based Transformer Oil Testing Machine.
- 32. Blue tooth Enabled Home/Industrial Automation
- 33. IVRS Based Electronic Tele-voting System
- 34. IVRS Based Control Of Three Axis Robot With Voice Feed Back
- 35. Embedded System based Cockpit White box automation
- 36. Energy Efficient Target Coverage in Wireless Sensor Networks
- 37. Contact less Measurement Of Emission Of Automobiles
- 38. Design Of Digital Cryogenic Temperature Controller
- 39. Automated Vertical Car Parking System
- 40. Remotely Activated Acoustic Warning System (RAAWS)
- 41. Biometric Finger Print Identification with PIC Based Access Control System
- 42. Biometric Finger Print Identification with PIC Based Time Recorder with Weigand Output
- 43. Biometric Finger Print Identification with PIC Based Bank and Locker Security system
- 44. Biometric Finger Print Identification with PIC Based Vehicle Access System
- 45. Biometric Fingerprint Based Guard Alert Monitoring system with PC interface
- 46. RFID Based Guard patrolling system with Handheld Device
- 47. IRIS Recognition system in Authenticating Highly Secured Data.
- 48. IRIS Scanner Using Access control Monitoring system
- 49. Embedded Micro controller Based Nomad Robots for exploration Application
- 50. Embedded Micro controller Based Robots for weather forecasting.
- 51. Vehicle Accessing using Authentication
- 52. Non-Contact Smart Card Reader Based Campus Management system.
- 53. Web/wap based system for remote monitoring patients with data mining support.
- 54. Remote Monitoring and Control using Mobile phones
- 55. Secured Postal Data Communication using RFID and E-POST
- 56. Distributed Multi area Power systems load flow monitoring
- 57. Smart Card based Attendance monitoring with Multi-Door output.
- 58. Secure Transmission of Sensitive data using Multiple channels
- 59. Micro controller Based Standalone Temperature Measurement System.
- 60. Micro controller Based Ultrasonic Pulse Detector.
- 61. Pc Based Flow Control And Level Measurement In Petrol Bunks.
- 62. Pc As A Pid Controller.
- 63. Vector Controlled Device For Energy Saving Air Conditioning System.
- 64. Fuzzy Logic Based Differential Relay For Power Transformer Protection.
- 65. Electric Power Generation using Footstep Method.
- 66. Embedded Micro controller based Grid Synchronization.
- 67. Energy Management Control System with WAP
- 68. Home Automation Using X-10 Protocol.
- 69. Bi Directional VF Control of Single Phase AC Motors.
- 70. Frequency Actuated Load Shedding with substation monitoring
- 71. Management of sub-transmission and distribution system in power systems
- 72. Mobile Half Bridge Configuration Based High Voltage Generation of 10KVA 1KHZ
- 73. Vector Controlled Drive for Energy Saving in Air Conditioning system

- 74. High Performance AC Supply with Low Harmonic Distortion for multiphase AC Machines.
- 75. Enhancement of power system performance using STATCOM
- 76. Management of sub-transmission and distribution system in power systems.
- 77. Remote data monitoring using WAP Information Gateway
- 78. Embedded system based highway monitoring system and control
- 79. Automatic Anesthesia controller with respiratory system using Heart beat Sensor
- 80. Intelli mobile robot for multispeciality operations
- 81. prepaid electricity system automation with contact less proximity card & card reader
- 82. IVRS Based smart home automation with voice feedback.
- 83. smart solar tracking for optimal power generation
- 84. Wireless Al Based voice controlled intelli robot for multispeciality operations
- 85. Network enabled Electronic Digital televoting machine.
- 86. Speech Recognition based complete Car Security System
- 87. OFDM Based Wireless Encryption/Decryption of Transfer of Messages.
- 88. Synchronized DC Defibrillator with PC Interface
- 89. Stand-alone Synchronized DC Defibrillator with LCD Interface
- 90. RF Based Wireless Complete Body Scanning System Using WAP
- 91. RF Based Medi-Kits for Houses with Emergency Dialer.
- 92. RF Based Wire less Heart Beat Rate Monitoring System
- 93. Medicare System for Hospital Automation
- 94. Study and working of Peritoneal Dialysis with Model.
- 95. IR based human radiation detection online
- 96. PC based emergency ambulance calling system
- 97. PC based body temperature measurement and control
- 98. Automatic anesthesia feeder based on respiratory
- 99. Automatic anesthesia feeder based on resp temp with temp with model
- 100. Automatic anesthesia feeder based on HBC with model.
- 101. Blue tooth Enabled Wireless Communication with Handheld Device.
- 102. Advanced Sensors Controlled Bank Security System.
- 103. Home Networking and Security System With Wap
- 104. Tape less Voice Storage and Retrieval using APR9600.
- 105. Electro magnetic Proximity Card Reader with Weigand output based Access Control System with Double Level Security.
- 106. Electro magnetic Proximity Card Reader with Weigand output based Time and Attendance System.
- 107. Electro magnetic Proximity Card Reader with Weigand output based Security Cards.
- 108. EMPCR with Weigand output Based Electricity Billing Automation.
- 109. EMPCR with Weigand output Based Electricity Billing Automation with WAP.
- 110. Guard Supervisor for Industries.
- III. Guard Alert System for Home Security System.
- 112. Guard Alert System for industries With Patrolling system.
- 113. Fire Alarming Control panel with Auto dialer to Fire Station.
- 114. Hardware Design for Pick and Place Robot
- 115. Fire Fighting Robotics with artificial intelligence
- 116. Fire Fighting Robotics With AI (Artificial Intelligence) and WAP
- 117. Cell Phone Controlled Two Axis Robotics with Al.

- 118. Cell Phone Controlled Three Axis Robotics with Al.
- 119. Mobile Phone Controlled Alive Human Detector using Robotics
- 120. Two Axis Stepper Controller / Driver with Opto-Isolation
- 121. Multi Axis Stepper Controller / Driver with Opto-Isolation
- 122. Two Axis Robotics With Artificial Intelligence (AI)
- 123. Three Axis Robotics With Artificial Intelligence (AI)
- 124. RF Based Wireless Multi Axis Robotics with WAP
- 125. PLC Eæs for bottle filling station with conveyors
- 126. Automatic Control of Bottle Filling System Using PLC With Conveyor Model.
- 127. Embedded PIC Micro controller based Safety Road Control With WEB CAM
- 128. Embedded PIC Micro controller based Controlling of devices through Telephone Lines
- 129. DAS and Remote Control through Internet
- 130. Micro controller based system design for Electronics Laboratory
- 131. Wireless Home Automation System Using Telephone Lines with WAP
- 132. RF Based Wireless Encryption And Decryption Message Transfer System for Military Applications
- 133. Encoding and decoding technique for secured data communication
- 134. On Line Dynamic Code Acquisition For Spread Spectrum Systems
- 135. Single Photon Quantum Cryptography
- 136. Pseudo Random Code modulation based Secured Data Communication.
- 137. Frequency jammer as a life guard
- 138. Frequency jammer as a life guard with WAP
- 139. PC based data scanner/ logger for 8 " channel
- 140. PC based data scanner/ logger with field programmable channel
- 141. Intelligent guided vehicle for collision prevention
- 142. Fuzzy Logic based Collision Prevention for vehicles.
- 143. Intelligent Application of Fuzzy Logic in Automatic Train Speed Control System.
- 144. Fuzzy logic based Traffic Control System A Replacement strategy
- 145. Embedded controller for traffic controls
- 146. Automatic control for unmanned railway gate
- 147. Automatic control for unmanned railway gate with model
- 148. Automatic control for unmanned railway gate with WAP
- 149. Solar power for automatic water heating
- 150. Solar energy for Electrical Applications
- 151. Tracking Sunâ,,¢s path for efficient use of Solar Cell with Model
- 152. Automated car parking system
- 153. PC based electronic weighing scale with set point
- 154. Bluetooth Enabled Advanced Data monitoring and control Using Hitech c.
- 155. Multi-Parameter Measurement System and Control with Graphs
- 156. WEB-SCADA 157. Multi Channel Voltage Scanner with SCADA
- 158. Micro controller based Position Control for Stepper Motor
- 159. Industrial Safety Measures System with Sensors and Web Cam
- 160. Industrial Safety Measures System with Sensors
- 161. Industrial Safety Measures System with Sensors with Voice Indication.
- 162. Attendance Marker System with IRC Reader

- 163. Attendance Marker System with IRC Reader and Face indicator
- 164. Categorized Alarm Annunciator using Embedded System
- 165. Categorized Alarm Annunciator using Embedded System with controls
- 166. Categorized Alarm Annunciator with Voice using Embedded System with controls
- 167. Micro controller based Boiler Management System
- 168. Priority Indicators in Alarm Annunciators
- 169. PC Based Programmable Temperature Controller for Furnaces
- 170. PC Based Programmable Temperature Controller for Cement Plant
- 171. 8 Channel Temp. Measurement System/Control with True Graphs
- 172. 8 Channel Temp. Measurement System with True Graphs
- 173. 8 Channel Temp. Measurement System with True Graphs with Voice indication
- 174. 8 Channel Multiset point Temperature controller with Different Time Period
- 175. Multichannel Missing Event Detector
- 176. Multichannel Missing Event Detector with Voice Indication
- 177. Battery Voltage and Current Monitoring for 8 Batteries
- 178. Master / Slave Control System for Process Industries
- 179. Embedded System based POSI-CAST controller for Dc-Dc Buck Convertor.
- 180. Electrical Station Variables Reader/Controller with True Graph and SCADA
- 181. Electrical Station Variable Reader/Controller with True Graph
- 182. Remote On/Off Controller for AC Motors with Parameter Monitoring
- 183. Remote Switching System for home appliances
- 184. Power Sharing of Transformers with WAP
- 185. Power Sharing of Transformers with auto protection
- 186. Computer Keyboard as a dual controller for switching Electrical devices
- 187. Dual control of Electrical devices through Computer Keyboard and H/W
- 188. Centralized Powerhouse Automation using WAP.
- 189. Slip Ring Induction motor Drive with slip Recovery using IGBT
- 190. DC motor Starter using MOSFET
- 191. Microcontroller Based Oil Temp/IND/CON
- 192. 3 Phase AC Motor using IGBT
- 193. Two / Four Quadrent chopper in Indian Military.
- 194. Ultrasonic Range Finder
- 195. AC Power line Monitoring motor generator application
- 196. Speed Control of AC MotorO
- 197. Speed Control of DC Motor with Field and Armature Control
- 198. DC Drive using IGBT
- 199. AC Drive using IGBT
- 200. Maximum Demand Indicator / Controller for Industries
- 201. Power Factor Correction Using Multiple Capacitor Banks
- 202. Electricity Billing Automation
- 203. Prepaid Electricity Billing Automation
- 204. Digital Tri Vector Meter
- 205. Multiple starter with overload protection
- 206. Multiple starter with overload protection with Al

- 207. Multiple starter with overload protection with WAP
- 208. Digital Timer with Thumbwheel setting with On and Off delay type
- 209. Digital Counter using Proximity Sensor
- 210. Digital Energy meter using Embedded Controller
- 211. Digital Energy meter with voice annunciation
- 212. DC Driver using SCR
- 213. Digital RPM Indicator using Proximity or Magnetic Pick up
- 214. Digital Frequency indicator
- 215. Digital Voltmeter using Embedded System
- 216. Digital Ammeter using Embedded System
- 217. Cyclic Timer using Embedded system
- 218. Remote Digital RPM Indicator using Proximity or Magnetic Pick up with SCADA
- 219. Remote Frequency indicator with SCADA
- 220. Length counter using Embedded system
- 221. Micro controller based access control system
- 222. Pc based data scanner/ logger for 8 â€æ channel
- 223. Pc based data scanner/ logger with field programmable channel
- 224. Embedded controller for traffic controls
- 225. High Pressure hose Test Rig for Brake line Manufacturing Industries
- 226. Embedded PIC Micro controller based Petrol Bunk Automation
- 227. Speed Control of an Electrical DC Vehicle
- 228. Fault Tolerant Neuro Controlled Level Processing panel
- 229. Embedded controller for non linear partially interacting process (NLPIP)
- 230. Power Distribution Management System using WAP
- 231. Virtual instrumentation for temperature controlled loop 232. Pc based attendance (censored) visitor management system
- 233. Multi Channel Voltage Scanner with SCADA
- 234. Micro controller based Position Control for Stepper Motor
- 235. PC Based Programmable Temperature Controller for Furnaces
- 236. PC Based Programmable Temperature Controller for Cement Plant.
- 237. Micro controller Based Multichannel PID Controller for temperature
- 238. Micro controller based Dedicated PID Controller for Temperature
- 239. PC Based Pollution Tester For Vehicles with WEB CAM Interface
- 240. PC Based Pollution Tester For Vehicles with CO Analyzer