



# s2sproject & Thesis

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## ELECTRONICS PROJECT LIST

### **Computer (PC) Based Projects**

1. Data acquisition through pc
2. Device control through pc
3. PC based robot

### **DTMF Based Projects**

4. DTMF Based DC Motor Control
5. DTMF Based Door Locking System
6. DTMF Based Energy Meter
7. DTMF Based Home Appliances Control
8. DTMF Based STPPER Motor Control
9. DTMF Based Wireless Robot

### **EFY Projects**

10. Battery Charger cum Voltage Analyzer
11. Digital Voltmeter
12. Speedometer cum Odometer

### **GSM Based Projects**

13. Anti-Theft System for Vehicles
14. DC Motor Control
15. Energy Meter
16. Generator Start & Stop
17. GSM based highway road traffic monitoring system
18. GSM based ten templates system
19. GSM based visitor counter for malls
20. Home Appliance Control
21. Home Security System
22. Railway Reservation
23. Robot Control
24. SMS based e-notice Board for College
25. Stepper Motor Control
26. Vehicles Location Finder for Parking
27. Vehicle Ignition System for Safety
28. Vending Machine
29. Voting Machine

### **Microcontroller Based Projects**

30. Electronic circuit breaker
31. Home security system
32. IR Remote Control
33. Remote Controlled Digital CLOCK
34. Temperature controlled Fan

### **ROBOT Projects**

35. DC Motor Control
36. Edge avoiding robot.
37. Obstacle avoiding robot.
38. Firefighting robot With GSM
39. Edge and obstacle avoiding robot.
40. Line follower robot.
41. Cell phone controlled robot.
42. Pc controlled robot for navigation (USB controlled).
43. AGV (automatic guided vehicle).
44. Pick and place robotic ARM wired.
45. Pick and place robotic ARM wireless.
46. Pick and placed robotic ARM gesture controlled.
47. Cell phone based Pick and place robotic ARM
48. IR based Wireless Robot
49. Bluetooth controlled Land rover system.
50. Android Based robot control system
51. GSM based robot with spy camera.
52. Ultrasonic based automatic direction seeking control robot

### **RTC Based Projects**

53. Digital calendar led
54. RTC based automatic college bell
55. RTC countdown timer
56. TIME operated electrical appliance control
57. Time Operated Solar Tracking System Report
58. UC Based Digital Clock with Alarm

### Cell phone based projects

59. Cell phone based device access system
60. Cell phone based DC motor control system
61. Cell phone based Robotic arm control system
62. Cell phone based land rover
63. Cell phone based stepper motor control system with direction control and angle control
64. DTMF Based Home Automation using Bluetooth.
65. DTMF based robotic tank control + Fire Fighting Robot.

### Temperature based projects

66. Room temperature indicator
67. Temperature based device control
68. Temperature based device control with over temperature control alarm
69. Room temperature indicator with fire alarm
70. Industrial temperature indicator and control system with over temperature message alert
71. PC based Industrial temperature control system with data logging
72. Zigbee based temperature logging system on PC
73. Ethernet based temperature metering and logging system on PC (Practical industrial application)
74. PC based Human body temperature metering and logging system
75. Temperature controlled fan

### BLUETOOTH + ANDROID PROJECTS

76. Bluetooth based device control system for disabled people
77. Bluetooth based dish antenna control system
78. Bluetooth based security system
79. Bluetooth based code lock system
80. Android based 3D dish positioning

### Cell phone based projects

81. Cell phone based device access system
82. Cell phone based DC motor control system
83. Cell phone based Robotic arm control system
84. Cell phone based land rover
85. Cell phone based stepper motor control system with direction control and angle control
86. DTMF Based Home Automation using Bluetooth.
87. DTMF based robotic tank control + Fire Fighting Robot.

### RFID PROJECTS LIST

88. RFID based attendance system
89. RFID based security system

90. RFID based car parking system
91. RFID based secure access system
92. RFID based secure locking system
93. RFID based vehicle identification and authentication system
94. RFID based bus detection Device for Blind People

### GSM PROJECTS

95. GSM based Notice board display on 16\*2 LCD
96. GSM based Notice board display on 20\*4 LCD
97. GSM based ATM system prototype
98. GSM based center locking system
99. GSM + PIR based security system
100. GSM based password locking system
101. Railway track monitoring system with message alert
102. Alcohol detection system with SMS alerts
103. Home security system with message alert
104. Water level indicator with automatic pump control and message alert at low level
105. Bank security system with message alert
106. Home security system with message alert
107. Temperature monitoring system with over temperature message alert and alarming system for industrial purposes
108. Over voltage indicator with message alert. 4500
109. Home Security with GSM, Door Lock through SMS, password, Fire Sensor.
110. SMS based automatic rain alarming system.
111. GSM based flood warning and control system.
112. GSM based Accident notification system

### ZIGBEE PROJECTS

113. Zigbee based wireless notice board display system.
114. Zigbee based industry gas monitoring system on PC with alarming.
115. Zigbee based patient health monitoring system.
116. Zigbee based secure wireless communication between two Microcontrollers.
117. Zigbee based secure wireless communication between Microcontroller and PC.
118. Zigbee based wireless temperature monitoring system for industrial boilers/ovens and running motor's for safety purpose with alarming system.
119. Zigbee based wireless water level indicator.
120. Zigbee based pollution level monitoring

## ELECTRICAL PROJECT

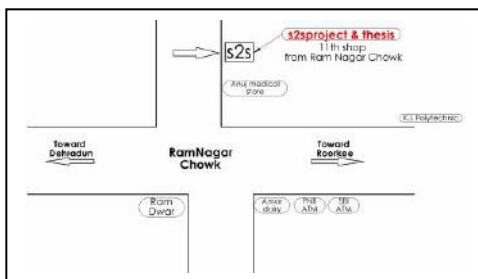
121. Prepaid energy meter.2200
122. Mini UPS system for CFL (without Microcontroller )
123. Mini UPS for CFL with Solar charging (without Microcontroller)
124. Mini UPS for CFL with Solar/Mains charging
125. Cell phone based water pump control system (without Microcontroller)
126. Mini inverter circuit with Solar/Mains charging system
127. Speed control of DC motor using regulator with LCD
128. Remote control system for device control (without Microcontroller).
129. Solar tracking system for maximum power generation with Microcontroller and LCD
130. Solar tracking system for maximum power generation without Microcontroller

## General projects

131. Distance counter
132. Car reversing audio-visual alarm (HC-04)
133. Ultrasonic distance meter
134. Ultrasonic radar
135. Quiz game controller
136. Metal Detector.
137. Metro train prototype
138. Power saver for energy management in rooms
139. Digital clock with LCD using rtc1307 using I2c protocol
140. Wireless switch control system for home/industrial automation with time delay
141. Automatic car parking system
142. Electronic voting machine with password control system
143. Multilevel car parking system
144. Speed and direction control of Stepper motor
145. Rank display system for school and colleges
146. Speedo meter with over speed display system
147. Traffic light system
148. Traffic light system with LCD
149. Water level indicator system with pump control
150. Automatic railway control system
151. Digital IC tester for 74xx series
152. Speed control of DC motor
153. Password based Digital lock with LCD
154. Solar tracker
155. USB based notice board display system

156. Moving message display system on 16\*2 LCD
157. Moving message display on LED display.1000/feet
158. RPM counter for industrial purpose
159. Dc motor control + speed control (with LCD) using keypad
160. Speed control of motor using analog regulator
161. Alcohol sensor based car automation
162. Alcohol detection system with PC based data logging
163. Anti-Terrorist missile system
164. Bank security system
165. Blind stick using ultrasonic sensor
166. PC based security system (fire + power failure + Motion)
167. Car utility system
168. Bottle filling system
169. Liquid mixing system
170. Size sorting system
171. Conveyer belt system
172. Gas detection system
173. Home security system with temperature sensor
174. Hover craft
175. Industrial automation system
176. Life Detection system
177. Speed control of motor with temperature
178. Noise level monitoring system
179. Over voltage indicator
180. Password based DC motor control system
181. Password based device control system
182. Accelerometer based wheel chair
183. Intensity controlled street light
184. Green house monitoring system
185. Automatic plant watering system.
186. Adaptive Cruise Control.
187. Power consumption reduction during standby mode.
188. Rear end collision accident avoidance and distance measurement using ultrasonic technology.
189. Zigbee Wireless data transmission UC to UC with password(IR sensor based)
190. Traffic light and train control.
191. Electronic card based voting machine.
192. Fire sprinkler system with pump control.
193. Ultra sonic based radar system
194. RF based security system.
195. Supersensitive intruder alarm

For more projects feel free to contact our student Support team at: -[info@s2sproject.com](mailto:info@s2sproject.com)



Or

Call +91-9720255525

We will be happy to assist you

