



### EMBEDDED SYSTEMS PROJECT LIST 2017-18

1. Intelligent Traffic Light and Density Control Using IR Sensor and Microcontroller.
2. Intelligent Traffic Signal Control Using Wireless Sensor Networks.
3. Real Time Health Monitoring System of Remote Patient Using Microcontroller.
4. Microcontroller Based Interactive Voice Response System For College Automation.
5. Mobile Phone (DTMF) Controlled Electrical Device Switching System.
6. Using Tv Remote As Cordless Mouse For The Computer.
7. Embedded Security System.
8. Pc Based Temperature Monitoring And Controlling.
9. Auto Night Lamp Using High Power Led.
10. Automatic Railway Gate Controller with High Speed Alerting System.
11. Home Automation (Ac/Dc) Device Controlling Using Pc Interface.
12. Pc Controlled Scrolling Message Display For Notice Board.
13. Street Light That Glows on Detecting Vehicle Movement.
14. Automatic Door Opening and Closing System With Movement Sense (IR Sensors).
15. Gsm based industrial security system.
16. Design of solar tracking energy system.
17. Wireless data communication using radio frequency.
18. Radio frequency (RF 433 MHz) based industrial device controlling system.
19. Development of microcontroller based object flow measurement.
20. Automatic room light controller with visitor counting using microcontroller.
21. Control electrical appliances through personal computer.
22. PC based single channel data acquisition.
23. Industrial safety control system.
24. Home automation using Television remote control.
25. Programmable street line control system.

26. Cell phone operated land rover.
27. IR TV remote controlled DC motor speed controller with password protection.
28. Embedded Real time Clock based Industrial Devices Control System.
29. Microcontroller based advanced automatic city street light control system.
30. Industrial advanced temperature monitoring and control system.
31. Microcontroller based water level monitoring and control system.
32. Embedded based electronic voting machine system.
33. PC keyboard interfacing through microcontroller.
34. Automatic Fire sensing and controlling robot.
35. Obstacle detection robot using ultrasonic sensors.
36. Radio frequency based DC motor speed control system.
37. Real time clock interfacing with microcontroller.
38. Automatic missile detection and destroying system.
39. Temperature controlled fan.
40. I2c protocol implementation using real time clock.
41. Continuous health monitoring system for patients.
42. Robot control using wireless communication (radio frequency).
43. Microcontroller based level indicator.
44. Microcontroller Based Level Indicator.
45. Automatic Irrigation System.
46. Green House Monitoring System.
47. Multi Channel Data Acquisition System.
48. Microcontroller Based Clap Switches.
49. Dc Motor Control Using Pc (Pulse Width Modulation Technique).
50. Micro-Controller Based Intelligent College Bell.
51. Gsm (Mobile) Based Stepper Motor Speed Control.
52. Microcontroller Based Electronic Code Lock system.
53. Pc Based Stepper Motor Speed Control.
54. Embedded Based Security System Using Ir Sensors.
55. Implementation Of Rs485 Protocol (Device Controlling).
56. Dual Temperature Display.

57. Keep Distance Warning System.
58. Fire Monitoring System.
59. Home Security System.
60. Metal Detection Robot.
61. Mobile Controlled Robot.
62. Micro Controller Based Temperature Lcd Display.
63. Speed Synchronization Of Two Dc Motors.
64. RF Based (Wireless) Temperature Monitoring.
65. Automatic Humidity Control For Refrigerator.
66. Scrolling Message Display.
67. Embedded Based Elevator Control System.
68. Multi-Level Car Parking System (Car parking).
69. Traffic Priority For Ambulance.
70. DTMF Based Device Controlling.
71. Ac Motor Speed Control Using Ir Remote.
72. Modular IR Remote Control For Industrial Automation.
73. Moving Message 16 Character Display.
74. Object Detection Using Ultrasonic Waves.
75. Controlling the Pc through Gsm Mobile.
76. Gsm Based Home Device Controlling.
77. Heart Beat Monitoring System.
78. Remote Control Home Appliances.
79. Wireless Notice Board Using Rf.
80. Rs-485 Based Data Communication.
81. Pc Based Grid Control.
82. Vertical Parking System.
83. Intelligent Automatic Street Light Control Using Ldrs.
84. Night Lamp with Morning Alarm.
85. Robot Control Using RF Communication.
86. Wireless Chatting System Using Rf Communication.
87. Implementation Mobile Based Hi-Tech Door Locking System.

88. 79. Super Intelligent Robot To Recognize Obstacles And Change The Path By Itself.
89. 60 Sec Voice Record Integrated Chip Interface With Microcontroller Using Apr9600.
90. GSM Based Dc Motor Bi-Directional Control.
91. Wireless Dc Motor Control Using RF Communication.
92. Drip Irrigation System Using Lm324.
93. Bus Information Announcing System.
94. Automatic Engine Locking System For Drunk And Drivers.
95. Intelligent Route Indicator.
96. Password Operated Device Control Using Mobile.
97. Ac Load Control through Triac Using Pc.
98. Super Intelligent Robot (Light & Fire Sensing)
99. Industrial Transformer Fault Indicating System.
100. Embedded Based Pre-Fall Detection System.
101. MEMS Based Wheel Chair.
102. Human Detection Robot.
103. Pre-Paid Commercial Power Consumption Using Coin Box.
104. Intelligent Supervisory Vehicle System.
105. Pc Controlling Through MEMS (Accelerometer) Sensor.
106. Line Following Robot.
107. Timer Based Industrial Liquid Pump Controller.
108. Embedded Based Distance Measurement System.
109. Dtmf Based Voting Machine.
110. Artificial Vision System For Blind People.
111. Wireless Fuel Indicator For Cars.
112. Intelligent Street Light Control while Vehicle Passing.
113. Diamond Security System In Museum With Loud Speaker.
114. Anti Theft Alerting System For Vehicle (2 Wheeler).
115. Monitoring And Controlling Agriculture Field Environment.
116. Smart Card Based Petro Card Management System.
117. Smoke Alert System For Industries.
118. Temperature Level Monitoring And Automatic Control In Boiler.

119. Sonar Sensor Based Range Finder System.
120. Wireless Dc Motor Control System.
121. Microcontroller Based Dam Water Level Indicator System.
122. Air Bag Crash Sensor Development Using MEMS.
123. Measuring Vitals Body Signs Using MEMS.
124. Development of Black Box Alert System For Airplanes Crash Recovery.
125. Security System Based on MEMS.
126. Motion Operated Graphical Display Change Using MEMS.
127. Touchpad Control Based Wheel Chair.
128. Hi-tech Protection for Cars/Vehicle Using Touch-Switch.
129. Automatic Toll Collection Using Smart Cart.
130. Blind Stick with Audio Interface.
131. Touch Pad Based Notice Board.
132. Touch Pad Based Industrial Device Control.
133. Design of Talking Energy Meter.
134. Voice Operated Robot
135. Development of Advanced Embedded System for Accident Avoidance System.
136. Automatic Utility Selection from Main, Generator and Inverter.
137. Detecting Power Grid Synchronization Failure on Sensing Out Of Range Frequency Or Voltage.
138. RFID Based Security System.
139. RFID Based Attendance System.
140. Shopping Mall Security and Power Management Using IR Sensor.
141. Gas and Smoke Detection Robot.
142. Pick and Place Robot.
143. Construction of Touch screen Operated Liquid Dispensing System.
144. Automatic Speed Control of Vehicle by Using Sonar Technology.
145. Automated Car (Parking System) With Auto Gate Opening.
146. Design of Digital Speedo Meter.
147. Railway Ticket Booking Using RFID and Keypad.
148. Wireless Monitoring System for Cold Storages.

149. Pre-Paid Energy Meter Using RFID Reader.
150. RFID Based Unmanned Petrol Pump.
151. RFID Based Examination Room Guide System.
152. RFID Based Person Tracking System.
153. RFID Based Bus Announcement System for Blind.
154. RFID Based Shopping Cart.
155. RFID Based Library Management System.
156. Employee Login and Logout Management System.
157. RF Based Earthquake Warning System
158. Airport Security Luggage Scanner System.
159. Library Noise Detector and Indicator.
160. Solar Based Robot.
161. Microcontroller Based Cell phone Detector.
162. GPS Based Position Tracking System.
163. Direct High Current Measurement For Industries.
164. Implementation of Solar Water Pump Control with Four Different Time Slots For Power Saving Applications.
165. Fuse Blown Indicator.
166. Distance Calculation for Underground Cable Fault.
167. Feedback Control Devices with Advanced Security Using DTMF.