**S.S.MICROTEK & ROBOTICS**

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**Arduino based Projects**

1. **Third Eye for the blind using ultrasonic**
2. **Smart Dustbin (Only Circuit)**
3. **Simple Smart Garden without LCD display**
4. **Cellphone controlled appliances with Bluetooth**
5. **Gesture Control ON OF light 3**
6. **Rain Detector**
7. **Counting of Steps**
8. **Wireless door bell using RF**
9. **Mini Message Moving Display**
10. **RF Home Automation**
11. **Wireless notice board using GSM**
12. **AC Light Dimmer using Arduino and TRIAC**
13. **Arduino based Ultrasonic Distance meter**
14. **Alarm clock with Arduino**
15. **Speed control of fan with Temperature using DHT11 Sensor**
16. **Simple Speed control of fan using thermistor**
17. **DC Motor speed control using Arduino**
18. **LPG detector system with Auto SMS**
19. **Music Fountain with sound sensor**
20. **Text to Speech**
21. **GSM & GPS Vehicle Tracking System**
22. **Prepaid Energy Meter**
23. **Wireless notice board using GSM Modem**
24. **IR based home automation**
25. **Servo motor control with weight sensor**
26. **Music Control**
27. **RGB LED**
28. **8X8 LED Matrix**
29. **Traffic Light System**
30. **Industrial Voice Announcer**
31. **Location Tracker using SIM900**
32. **Vibration Sensor**
33. **Medicine Reminder**
34. **Smatphone based mood light**
35. **Luck System RFID**
36. **LED Power and Brightness control**
37. **Voice control LEDs using Bluetooth**
38. **RGB colour mixing with LDR**
39. **Solar Tracking System**
40. **Count down timer**
41. **Automatic Street Light**
42. **Battery Volt Indicator**
43. **Calculator**
44. **Smart Blindman’s stick**
45. **Temperature control AC home appliance control**
46. **Ultrasonic distance meter**
47. **DC motor speed control and direction control**
48. **PIR sensor automation**
49. **Finger print attendance system**
50. **Finger print voting machine**
51. **Knock detecting door lock**
52. **Audio player amplifier using 386**
53. **Earth Quake Detection**
54. **Timer**
55. **Vehicle Alert System using GPS/GSM**
56. **Speedo Meter**
57. **Ultrasonic Radar System**
58. **8X8 Matrix display board**
59. **12 Volt Batter Charger**
60. **Door Alarm using Ultrasonic**
61. **Digital Code Lock System**
62. **Interfacing LED with arduino**
63. **PWM with arduino**
64. **GPS with arduino**
65. **Water Level Indicator**
66. **Water Level Controller**
67. **PC home automation**
68. **Tachometer using arduino**
69. **Color detector**
70. **Room Counter and Visitor Counter**
71. **Electronic Voting Machine**
72. **LED charger rotary encoder**
73. **RFID Interfacing**
74. **Servo motor Control**
75. **Light Dimmer**
76. **Temperature and Humidity Sensor**
77. **Door Opening System**
78. **Digital Dice**
79. **7 Segment display with temperature indicator**
80. **IR Control DC Motor**
81. **DC Motor Speed Control using Potentiometer**
82. **RBG Control LED Color**
83. **Temperature based Fan**
84. **Multi design Lighting System**
85. **Secret Calling Bell with password**
86. **Earthquake Warning System**
87. **Antisleep alarm for drivers**
88. **Password Lock Opening System**
89. **Rain Door Closing System**
90. **Bluetooth device control**
91. **Rain Door Closing System**
92. **Bluetooth device control**
93. **Coin based cellphone charger**
94. **Co2/ LPG/ Alcohol Detection system (anyone)**
95. **Arduino Visitor Counter**
96. **Automatic door opening system**
97. **Automatic Irrigation system**
98. **Cellphone based door opening system**
99. **Finger print lock opening system**
100. **Speed Control DC Motor**
101. **Energy saving for street lights**
102. **Mini Security System**

**100. RF Caller for deaf**

**101. 4 Channel Robotic Remote**

**102. Intelligent Emergency Light**

**103. RF based Bus stop annunciator for blind**

**104. Automatic Level Crossing System**

**105. Thermometer**

**106. Tsunami warning system**

**107. Passenger annunciator system for railway**

**108. Railway track monitor**

**109. Automatic temperature controller**

**110. Wireless Security System**

**111. Automatic slow down of train over bridges**

**Arduino Robotics**

1. **Mini Obstacle Sensed Robo**
2. **Bluetooth controlled Robo**
3. **Cellphone controlled Robo**
4. **Gesture Controlled Robo**
5. **Line Follower**
6. **Intelligent path sensing robo**
7. **House cleaning robo**
8. **Fire Fighting Robo**
9. **Pick and Place Robo**
10. **Slow down of vehicle in school zone**
11. **Robotic Arm**
12. **PC Controlled Robo**