**S.S. MICROTEK & ROBOTICS**

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MINI EMBEDDED PROJECT LIST

1. **College bell timer**
2. **Temperature based fan controller**
3. **Multi design lighting system**
4. **Secret calling bell with password**
5. **Earth quake warning system**
6. **Anti sleep alarm for students & security purpose**
7. **Domestic water pump motor timer controller for domestic use**
8. **Anti sleep alarm for drivers**
9. **Password based door opening system**
10. **Rain based door closing system**
11. **Embedded water level indicator with full level alarming system**
12. **Stair case & toilet light automation**
13. **4 way traffic light controller**
14. **Microcontroller based musical instrument**
15. **Cell-phone based device control**
16. **Automatic water level controller**
17. **Coin based cell=phone charger**
18. **Microcontroller based firing angle controlled light dimmer**
19. **Microcontroller based power transmission**
20. **Hospital & hotel call bell system**
21. **Carbon monoxide/carbon dioxide sensing & pollution detection**
22. **Automatic dim-dip control of headlights in vehicles**
23. **Microcontroller based Visitor counter**
24. **Password control door phone system**
25. **Automatic door opening system using PIR sensor**
26. **Cell phone based irrigation control system**
27. **Cell-phone based password control door opening system**
28. **LPG gas leak protection system for house wife**
29. **DC motor speed control using PWM**
30. **Fast finger for quiz programs**
31. **Micro controller based kitchen co-coordinator**
32. **RF based home appliance switching**
33. **Automatic irrigation control of garden**
34. **Microcontroller based muscular stimulator & pain killer system**
35. **Intelligent cattle drive away system in the field**
36. **Energy saving for high-way road lights**
37. **Punch card based door opening system**
38. **Alcohol consuming detection**
39. **Single side obstacle detection robot**
40. **Solar cell phone charger**
41. **Wind mill cell phone charger**
42. **Microcontroller based mini inverter design**
43. **Count up Countdown energy saving system for class room**
44. **3 way mini security system with voice**
45. **PC based home appliance control using RF**
46. **Command based street light controlling through PC**
47. **PIR based office/college energy saver**
48. **Stepper motor control with speed & direction**
49. **Sound remote control 4 channel**
50. **Intelligent emergency light**
51. **RF based agriculture motor theft alert system**
52. **Hi voltage protection for costly home appliances**
53. **Microcontroller based rat drive away system**
54. **Heart beat monitoring system**
55. **Fisherman’s sea border alert system**
56. **RF based bus-stop annunciation for blind**
57. **Automatic railway level crossing system**
58. **RF based caller for deaf**
59. **Multi zone door security system with LCD display**
60. **Microcontroller based thermometer**
61. **RF based child monitoring & alert system**
62. **Wireless sensor network for tsunami prediction**
63. **RF based passenger announcement system for sleeping passengers in train**
64. **Railway track monitoring system**
65. **Automatic temperature controller**
66. **Water TDS level analyzer**
67. **RFID gate opening system**
68. **Wireless security system**
69. **Vehicle theft control using RF & voice**
70. **Automatic slowdown system of trains over bridges**
71. **Alcohol intake level analyzer**
72. **LPG gas cylinder level monitoring system**
73. **RF based Intelligent ambulance signaling & road traffic control system**
74. **Radiation dosage meter for**
75. **Adjustable current limit protection system for industries**
76. **Prepaid EB billing system**
77. **Power line data transfer for switching & voice transmission**
78. **Automatic fan speed adjust with temperature variation**
79. **RFID based passport**
80. **Automatic motor speed analyzer & over speed warning system**
81. **RF based forest management for costly trees**
82. **RFID based ration card management**

**Robotics:**

1. **Light follower robot**
2. **Line following robot**
3. **Vehicle collision control**
4. **Mini Solar car**
5. **Intelligent path sensing robot**
6. **House cleaning robot**
7. **Robotic security system**
8. **Cell-phone controlled robot**
9. **Automatic cloth drier robo**
10. **PC based robot**
11. **RF based Bomb handling robot**
12. **Mini agriculture plough robot**
13. **Mini industrial annunciation system using voice**
14. **Automatic speed breaking system for vehicles in school area**
15. **Mini PC controlled electromagnetic arm robot using RF**
16. **Multi function robot**
17. **PC control arm robot with gripper**

**100.Mini fire fighting robot with water spray arm system**