

### Audio Related Projects

1. Electronic Organ
2. Low-Cost Telephone Amplifier
3. Using Loudspeaker as a Microphone
4. Graphic equalizer
5. Automatic school bell
6. Police siren
7. 3.5W Audio Amplifier
8. Crossover network
9. Ambulance Siren
10. Fire Alarm System
11. Condenser Mike Amplifier
12. 12-Tune Musical Doorbell
13. Microphone Amplifier
14. Head Phone Amplifier
15. Selected Tune Musical Door Bell
16. Touch Controlled Amplifier
17. Motor Boat Sound Simulator
18. Audio Spectrum Analyzer
19. Super Simple Graphic Equalizer
20. Bird Sound Emulator
21. 8W+8W Stereo Amplifier Module
22. Audio/Video Modulator
23. Touch Volume Control
24. The New Generation Stethoscope

### Communication Based

1. Two-way Intercom
2. Transmitter
3. Add This Low-Cost Tuning Indicator to Your Radio Receiver
4. Remote Operation of Diesel Generator Set
5. Telephone Extension Ringer
6. TV Receiver cum Video Monitor
7. FM Signal Generator
8. Electronic Phone Lock
9. Simple AM Radio Transmitter
10. VHF TV Booster
11. Inexpensive TV Antenna
12. Quality FM transmitter
13. Automatic Control of Radio
14. High Gain 4-Stage TV Booster
15. Telephone Bug
16. Broadband RF Amplifier
17. FM Transmitter

18. Cordless FM Mike
19. Telephone Answering Machine
20. Add-on Telephone Devices
21. FM Receiver
22. Inexpensive Bar Generator
23. Manual Morse code Generator
24. Listening Bug
25. Telephone Tapping/Misuse Indicator
26. Phone Line Monitor
27. Telephone Extension Ringer
28. Telephone Ring Sound Generator
29. Basic Radio Transmitter Design and Construction
30. Off-Line Telephone Tester
31. DTMF Remote Monitoring System
32. AF/RF Signal Tracer
33. Automatic Telephone Answering Unit
34. Cell phone-Operated Land Rover
35. Laser based communication link

### Indicators, Controllers & Alarms

1. Simple Soil Moisture Controller
2. Rain Alarm
3. Battery Level Indicator
4. Water Level Indicator
5. Bicycle Turning Indicators
6. Light Activated Switch
7. Water Level Controller
8. Light Activated Alarm
9. Light Activated Alarm
10. Emergency Light
11. Overheat Indicator
12. DC Voltage Level Monitor Indicator
13. Inexpensive LED Bar graph Voltmeter
14. Digital Electronic Counter
15. Make Yourself This Intruder Alarm
16. Protect Your Alarm by Automatically Silencing after a Preset Delay
17. Make Yourself This Electronic Timer with Audio Alarm
18. Infra-red Burglar Alarm
19. Self-resetting intruder alarm
20. Motor overheating preventer
21. Rain detector
22. Highway alert signal lamp
23. Pressure monitor
24. Clap Switch
25. Sound Operated Switch

26. Temperature Controller
27. Inexpensive Electronic Switch for Audio Signal
28. Heat Effectuated Buzzer
29. Touch Sensitive Alarm
30. Audio Annunciator for Automobile Flasher
31. Musical Burglar Alarm
32. Temperature Controller for Ovens
33. Wind Direction Indicator
34. Electronic Fuel Level Indicator
35. Touch Sensitive Barking Dog
36. Voltage Drop Detector
37. Soil Moisture Indicator
38. Water Level Cum Pump Failure Indicator
39. Mains Leakage Detector
40. Over speeding Preventer For Two-Wheelers
41. Fuel Level Drop Indicator
42. Fire Sensing Systems
43. Mail Indicator
44. Security Systems for Cars
45. Humidity Controller
46. Prevent Dry Run of Your Pump
47. Versatile Liquid Level Controller and Indicator
48. Automatic Temperature Controller
49. Tank Overflow Preventor
50. Fluid Level Detector
51. Metal Detector
52. Temperature indicator using AT89C52
53. Intruder alarm
54. Off timer with alarm
55. Anti-bag snatching alarm
56. Fuse cum power failure indicator
57. AC mains voltage indicator
58. Sound operated light
59. Sensitive optical burglar alarm
60. Mains box heat monitor
61. Faulty car indicator alarm
62. Automatic water pump controller
63. Soldering iron temperature controller
64. Water level controller
66. Sound-operated intruder alarm
67. Water-Level Controller-Cum-Motor Protector
68. Digital Thermometer-Cum-Controller
69. Beverage Vending Machine Controller
70. Electronic Plant Watering
71. LED Speedometer
72. Infrared Proximity Sensor

73. Smoke Alarm
74. Temperature Display
75. Automatic Streetlight Controller
76. Auto Hi-Lo Beam Controller
77. Infrared Intruder Alarm10 Simple Water Level Indicator
78. Infra-red Burglar Alarm
79. Digital water level indicator cum pump controller
80. Dynamic temperature indicator and controller
81. Light controlled digital fan regulator
82. Solidstate remote control switch
83. Fire alarm using thermistor
84. Noise meter
85. LED Voltmeter for Car Battery
86. Low-Cost LCD Frequency Meter
87. Sophisticated But Economical School Timer
88. RPM Counter Using Microcontroller AT 89C4051
89. Speedometer-Cum-Odometer for Motorbike

### Measurements

1. Electronic Method to Measure Velocity of Sound
2. An LED Speedometer for Two-wheelers
3. Digital Tape Counter
4. Object Counter
5. Soil Moisture Indicator
6. Conversion Of TV Into CRO
7. Handy tester

### Power Electronics Based

1. Proportional Power Control Using SCR
2. Make Your Own Manual AC Mains Regulator
3. Motor overheating preventer
4. Fan regulator cum light dimmer
5. Remote Operation of Diesel Generator Set
6. Digital Fan Regulator
7. Field Failure Protection for DC Motors
8. IC Speed Control for Small DC Motors
9. Traffic Light Control System
10. Spark Plug Tester
11. Mains Electrostatic Field Detector
12. Mains Leakage Detector
13. Solid State Power Controller
14. Dome lamp dimmer
15. Electronic Motor Controller

16. Thyristorised Power Controller
17. Mains Wiring Fault Detector
18. Fully Automatic Induction Motor Starter
19. DC Motor Direction Controller
20. Loud Ringing and Blinking Light For Telephone System
21. Speed Controller for DC Micro Motor
22. Solid State Relay With Zero Crossing Trigger
23. DC motor control using a single switch
24. Triggering Circuit for SCR Phase Control
25. Phase-Angle Control of SCR using AT 89C51
26. AT89C51-Based DC Motor Controller
27. AT89S52-Based Industrial Timer
28. A Highly Efficient DC Lamp Dimmer
29. Stepper motor control using 89C51 microcontroller

### Power supplies Based

1. Regulated DC Power Supply
2. 0-24V regulated DC power supply
3. 0-25V, 1A regulated power supply
4. Adjustable Voltage Power Supply Using LM317
5. Transformer less Power Supply
6. Transformer less 12V Dual Power Supply
7. Variable power supply with digital control
8. Stabilized power supply with short circuit indication
9. Variable Regulated Voltage Battery Eliminator
10. Add This Battery State Indicator to Your Equipment.
11. Car battery voltage booster
12. 200VA inverter
13. Kilovolt Generator
14. Inverter Circuit for 20W Fluorescent Tube
15. Simple Ni-Cd Battery Charger
16. Over voltage Cutout Using 1C 723
17. Automatic Voltage Stabilizer Using Auto-Transformer
18. Battery State Indicator
19. Servo Voltage Stabilizer
20. UPS for Cordless Telephones
21. Battery Eliminator
22. Sophisticated Ni-Cd Charger
23. Low-Cost Transistorized Inverter
24. DC-To-DC converter
25. over voltage protector
26. Mobile cellphone charger
27. Auto Off Ni-Cd Battery Charger
28. Dual Polarity Output from Single Ended Supply
29. Solar Charger for Dusk-to-Dawn use

## Safety and Security

1. Safety Circuit for Instant Water Heater
2. Electronic Fuse
3. How Safe is Your Safety Ground
4. Safety guard for the blind
5. Microcontroller based monitoring system
6. Electronic watchdog
7. Security Systems
8. Secured Room Access System
9. Remote controlled sophisticated electronic code lock
10. Microprocessor based home security system
11. Watchman watcher
12. Simple security system
13. Anti theft alarm for bikes

## Miscellaneous

1. Delay Switch
2. Simple Electric Lock
3. Emergency Lamp
4. Emergency Light
5. Make Yourself This Low-Cost Solid-state Emergency Light
6. LED Flasher
7. Sound Operated Switch
8. PCB Making Made Easy including Some Tips to Simplify PCB Cooking
9. Make Yourself a Printed Circuit Board With a Professional Touch
10. Clap operated electronic switch
11. Photoelectric switch
12. Single transistor LDR alarm
13. Make yourself this metal detector
14. Automatic traffic lights model
15. Mosquito repeller
16. Automatic Toilet Lamp
17. Improved Pest Repeller
18. Mini Traffic Signal Generator
19. TV Channel Selection Using Remote Control
20. Darkness Controlled Light Switch
21. IR Remote Control
22. Make Yourself a Printed Circuit Board With a Professional Touch
23. Lift overload preventor
24. Voice recording and playback using APR9600 chip
25. Digital combinational lock
26. Programmable timer for appliances

27. Simple key operated gate locking system
28. A transformer less emergency lamp with optional under voltage indication
29. Solid-state emergency lamp using an opto-coupler
30. Remote Operation of Diesel Generator Set
31. Electronic Fish Caller
32. Remote Optical Switch
33. Automatic Mast Light Switch
34. Mind Reader Using Digital Display
35. Electronic Auto. Dipper
36. Electronic Voting Machine
37. Giant Screen TV Wall Projector
38. A Touch Switch ASCII Keyboard
39. Semi-Automatic Remote Control for a Diesel Generator
40. Running Light Effect
41. Car Burglar Detector
42. Automatic Bathroom/Toilet Light
43. Light Pulse Activated On/Off Switch
44. Automobile Flasher
45. Self Resetting LDR Alarm
46. Automatic Brightness Control for Seven-Segment Digital Displays
47. Remote Control for TV and Hi-Fi
48. Control Water Level in Overhead Tank Automatically
49. Make Yourself This Light Beam Controlled Magic Toggling Switch for Remote
50. Automatic Cycle Light
51. Accident Free Electro-Locomotive
52. Fridge Protector
53. Improved Delay Switch for Door Bell
54. Self Resetting Fuse Alarm
55. Electronic Running Light
56. Touch Control Musical Bell
57. Remote Optical Switch
58. Car Overheating Alarm
59. Sound Operated Light Switch
60. Infrared Remote Control
61. Improved Rain Detector
62. Automatic Traffic Lights Model
63. Automatic Porch Light
64. Wireless Automatic Torch
65. Auto Heat Limiter for Soldering Iron
66. Electronic Mosquito Repeller
67. Stair Case Lights
68. Smoke Detector Alarm
69. Soil Moisture Indicator
70. Electronic Temperature Controlled Soldering Iron
71. Circuits Using Pressure Sensitive Resistors
72. Remote Control Switch

73. A General-purpose Temperature Sensing Circuit
74. 10-Channel Touch Switch
75. Clap Switch
76. Lie Detector
77. Rain-Operated Wiper
78. Clap-operated Remote Control for Fans
79. Infrared Remote Control Switch
80. Lamp Intensity Controller
81. Automatic Control for Outdoor Lights
82. On/Off Remote Control Switch
83. Cordless Remote Control
84. Automatic Temperature Controlled Fan
85. Ultrasonic Switch
86. Infrared Remote Control
87. Clap Switch
88. Radio Controlled
89. Remote Control
90. Remote Controlled Switch Board
91. Multiple Control Remote Switch
92. Telephone Controlled Remote Switch
93. Low-cost Twilight Switch
94. Sound Operated Switch
95. Sound operated on/off switch
96. A bidirectional visitors counter
97. Smart foot switch
98. Electronic street light switch