

ELECTRICAL | ELECTRONICS | WIRELESS | SENSORS | IOT.

1. WIRELESS ROOM FRESHENER SPRAYING ROBOT WITH VIDEO VISION
2. AUTOMATIC ELEVATOR BY OVERLOAD ALERT.
3. SENSOR-BASED MOTION CONTROL OF MOBILE CAR ROBOT.
4. SPRAY PAINTING ROBOT USING WIRELESS COMMUNICATION
5. VACCUM CLEANER ROBOT IN HOME SECURITY SYSTEM
6. POWER SHARING TO NEIGHBOUR'S HOUSE IN NO LOAD CASE BY USING SOLAR INVERTER.
7. GENERATION OF ELECTRICITY FROM WIND POWER.
8. EARTH QUAKE ANALYZER AND REPORTER.
9. TANKER ROBO FOR VISION-BASED SURVEILLANCE SYSTEM.
10. WIRELESS UNMANNED TANKER ROBOT.
11. ONLINE DEVICE CONTROLLER.
12. SMART VENTILATION SYSTEM FOR HEALTH SECURITY
13. PUBLIC GARDEN AUTOMATION IN ROAD SIDE
14. ARDUINO WORKPLACE ALCOHOL DETECTOR WITH REPORTING THROUGH GSM
15. BUILDING AUTOMATION WITH VOICE CONTROLLED APPLICATION.
16. DC MICROGRID FOR WIND AND SOLAR ELECTRIC SYSTEM POWER INTEGRATION
17. DETECTION OF OVERHEAT MACHINE BY ALERT.
18. DIGITAL LOCKING SYSTEM PASSWORD FOR TWO WHEELERS.
19. GEO-FENCE WITH GPS MODULE & NODEMCU ESP8266
20. GPS CLOCK USING ARDUINO, GPS MODULE & LCD DISPLAY
21. IOT BASED NOTICE BOARD

22. IOT BASED SMART KITCHEN AUTOMATION & MONITORING WITH ESP8266
23. IOT BASED TDS METER USING ESP8266 FOR WATER QUALITY MONITORING
24. IOT BIDIRECTIONAL COUNTER USING ESP8266 & MQTT VISITOR
25. IOT IR THERMOMETER USING MLX90614 & ESP8266 ON BLYNK
26. PUBLIC GARDEN AUTOMATION
27. RFID BASED PETROL PUMP AUTOMATION SYSTEM
28. SOLAR CHARGE CONTROLLER WORKING USING MICROCONTROLLER
29. SYMMETRICAL H-BRIDGE 7-LEVEL INVERTER
30. TEMPERATURE BASED FAN SPEED CONTROL & MONITORING WITH ARDUINO
31. TOXIC GAS DETECTION USING GSM TECHNOLOGY
32. WIRELESS AC VOLTAGE CONTROLLER WIRELESS CELLPHONE DETECTOR SYSTEM
33. AUTOMATED FLUID CONTROL DEVICE USING SMART PHONE FOR MEDICAL APPLICATION
34. WOMEN AND CHILD SAFETY TRACKER.
35. GAS AND INDUSTRIAL FIRE SAFETY ALARM SYSTEM.
36. SMART HEALTH CARE BOOTH SYSTEM USING IOT.
37. DYNAMIC VOLTAGE RESTORER
38. SOLAR-BASED SED INVERTER.
39. VEGETABLE MANAGEMENT SYSTEM.
40. ENERGY MONITORING AND CONTROLLING INDOOR ALERT SYSTEM.
41. DESIGN AND IMPLEMENTATION OF SMART HOSPITALITY.

42. ENERGY FAILURE AND INDICATION TO ELECTRICITY BOARD.
43. IOT-BASED ASSESSMENT NOTICE BOARD.
44. SOLAR-BASED DC TO DC FLYBACK CONVERTER.
45. NEW IMPROVED STRUCTURE LESS SWITCH 15-LEVEL INVERTER.
46. ELECTROMAGNET INDUCTION-BASED ELECTRICITY.
47. SOLAR-BASED HIGHWAY TRANSPORT SYSTEMS
48. MOBILE SIGNAL FINDER.
49. PLANT WATERING SYSTEM.
50. HYBRID POWER GENERATION SYSTEM WITH NO POWER LOSS.
51. AUTOMATED IRRIGATION SYSTEM USING A WIRELESS SENSOR NETWORK FOR SOCIAL MODERNIZATION OF INDIAN AGRICULTURAL SYSTEM
52. DIGITAL LOCKING OF FUEL IGNITION SYSTEM.
53. NEURO FUZZY SLIDING MODE CONTROL TECHNIQUE FOR VOLTAGE TRACKING IN BOOST INVERTER.
54. SELF-BALANCING CONTROL STRATEGY FOR A BATTERY BASED H-BRIDGE MULTILEVEL INVERTER.
55. TESLA COIL BASED WIRELESS POWER TRANSFER.
56. HIGH STEP-UP INTERLEAVED BOOST CONVERTER FOR DISTRIBUTED GENERATION USING RENEWABLE AND ALTERNATIVE POWER SOURCES.
57. ELECTRIC LINE MAN SAFETY WITH PASSWORD BASED CIRCUIT BREAKER.
58. PATIENT HEALTH MONITORING OVER IOT
59. AUTOMATIC ROOM LIGHT CONTROL WITH VISITOR COUNTING FOR POWER SAVING APPLICATIONS.

60. PERFORMANCE ANALYSIS OF HIGH GAIN DC-DC LUO CONVERTER
BASED MPPT USING FUZZY LOGIC ALGORITHM
61. IOT FLOOD MONITORING & ALERTING SYSTEM
62. PEAK ENERGY MANAGEMENT USING RENEWABLE INTEGRATED DC
MICROGRID.
63. POWER EFFICIENT MINI-INVERTER.
64. RFID BASED SMART SHOPPING SYSTEM
65. PV BASED BATTERY CHARGING SYSTEM:
66. IOT BASED SMART ENERGY METER
67. IOT BASED BLOOD BANK MANAGEMENT SYSTEM:
68. AUTOMATIC SMOKE DETECTOR ALARM
69. ELECTRIC LINE MAN SAFETY WITH PASSWORD BASED
CIRCUIT BREAKER
70. APFC (AUTOMATIC POWER FACTOR COMPENSATION) FOR
INDUSTRIAL POWER USE TO MINIMIZE PENALTY .
71. HIGH VOLTAGE DC BY MARX GENERATOR PRINCIPLES.
72. WITRICITY – WIRELESS ELECTRICITY
73. HIGH EFFICIENT ENERGY THEFT DETECTION WITH REMOTE
ALERT SYSTEM (WITHOUT MICROCONTROLLER)
74. EARTH FAULT AND SHORT CIRCUIT PROTECTION AND AUTO
MAINS TRIP OFF USING CURRENT TRANSFORMER AND
OPERATIONAL AMPLIFIER
75. PROGRAMMABLE SWITCHING CONTROL FOR INDUSTRIAL
AUTOMATION IN REPETITIVE NATURE OF WORK
76. SINGLE PHASE TO THREE PHASE CONVERTER
77. PYROELECTRIC BASED FIRE ALARM
78. ACCIDENT ALERT IN MODERN TRAFFIC SYSTEM WITH
CAMERA.

- 79.IMPLEMENTATION OF SOLAR WATER PUMP CONTROL WITH FOUR DIFFERENT TIME SLOTS FOR POWER SAVING APPLICATIONS
- 80.RF CONTROLLED ROBOTIC BOAT TO TRAVEL IN WATER
- 81.3-PHASE LOAD SAFETY IMPLEMENTATION WITH AUTO TURN OFF AND AUTO TURN ON FACILITY
- 82.FOUR QUADRANT DC MOTOR CONTROLS WITHOUT MICROCONTROLLER
- 83.PIR BASED ENERGY CONVERSATION SYSTEM FOR CORPORATE COMPUTERS AND LIGHTING SYSTEM
- 84.DYNAMIC VOLTAGE RESTORER:
- 85.NEXT GENERATION ALTERNATIVE ENERGY STORAGE APPLICATION WITH SUPER CAPACITORS / ULTRA CAPACITORS
- 86.INDUSTRIAL BATTERY CHARGER BY THYRISTOR FIRING ANGLE CONTROL
- 87.SENSOR LESS SPEED CONTROL OF ACTIVE CURRENT INDUCTION MOTOR USING MICROCONTROLLER
- 88.WIRELESS POWER TRANSFER:
- 89.TSUNAMI ALERT SYSTEM FOR FISHERMEN
- 90.SPEED CONTROL OF AC DRIVES USING CONTROLLER
- 91.SOLAR POWERED LED STREET LIGHT WITH INTENSITY CONTROL
- 92.SOLAR ENERGY MEASUREMENT SYSTEM CONVEYED OVER RF USING A PIC MICROCONTROLLER
- 93.PROGRAMMABLE SWITCHING CONTROL FOR INDUSTRIAL AUTOMATION IN REPETITIVE NATURE OF WORK

94. PROGRAMABLE ENERGY METER FOR ELECTRICAL LOAD SURVEY
95. POWER FAILURE AND FLUCTUATION COMPLAINT REGISTRATION TO TNEB
96. PEAK ENERGY MANAGEMENT USING RENEWABLE INTEGRATED DC MICROGRID
97. FUZZY LOGIC BASED 1 Φ INDUCTION MOTOR PROTECTION SYSTEM
98. ENERGY FREE ELECTRIC BIKE
99. DESIGN OF BUS TRACKING AND FUEL MONITORING SYSTEM
100. AUTOMATED FLUID CONTROL DEVICE USING SMART PHONE FOR MEDICAL APPLICATION
101. IOT BASED VOICE CONTROLLED HOME APPLICATIONS.
102. PROGRAMMABLE SWITCHING CONTROL FOR INDUSTRIAL AUTOMATION IN REPETITIVE NATURE OF WORK
103. OPTIMUM ENERGY MANAGEMENT SYSTEM
104. POWER SAVER FOR INDUSTRIES & COMMERCIAL ESTABLISHMENTS
105. SOLAR ENERGY MEASUREMENT SYSTEM CONVEYED OVER RF USING A PIC MICROCONTROLLER
106. HIGH VOLTAGE DC UP TO 2KV FROM AC BY USING DIODE AND CAPACITORS IN VOLTAGE MULTIPLIER CIRCUIT

107. TRIAC BASED SOUND SCANNER FOR AUDIO-CONTROLLED LOADS
108. EMBEDDED BASED RIGGING FREE ELECTRONIC VOTING SYSTEM WITH INSTANT RESULT.
109. VOICE OPERATED INTELLIGENT ELEVATOR
110. REAL TIME CAR BATTERY AND LOW VOLTAGE ALERT SYSTEM
111. MICROHYDEL POWER GENERATION SYSTEM FOR BUILDING ROOF RAIN WATER FLOW TO POWER AC/DC LOADS WITH BATTERY REVERSE CHARGE PROTECTION
112. AUTOMATIC TRANSFORMER DISTRIBUTION AND LOAD SHARING SYSTEM.
113. TRANSFORMER LESS SOLID STATE POWER SUPPLY DESIGN
114. H-BRIDGE IMPLEMENTATION FOR DC MOTOR DIRECTION CONTROL
115. INVERTER WITH BATTERY LOW AND OVER LOAD INDICATOR
116. MINIATURE THERMAL POWER PLANT USING TEP TRANSDUCER FOR DOMESTIC AND INDUSTRIAL APPLICATIONS.
117. MICROHYDEL POWER GENERATION SYSTEM FOR BUILDING ROOF RAIN WATER FLOW TO POWER AC/DC LOADS WITH BATTERY REVERSE CHARGE PROTECTION
118. PC BASED ELECTRICAL LOAD CONTROL
119. INTEGRATED ENERGY MANAGEMENT SYSTEM BASED ON GSM WITH USER PROGRAMMABLE NUMBER FEATURES AND ACKNOWLEDGEMENT FEATURES

120. AUTOMATIC STAR DELTA STARTER USING RELAYS AND ADJUSTABLE ELECTRONIC TIMER FOR INDUCTION MOTOR
121. XBEE BASED REMOTE MONITORING OF 3 PARAMETERS ON TRANSFORMER / GENERATOR HEALTH
122. PRINCIPLE WORKING OF ELECTROMAGNETIC INDUCTION
123. ELECTRONIC MAIL BOXES WITH SMS NOTIFICATION
124. AUTOMATIC RAIN WATER SENSING WINDSHIELD WIPER
125. NFC BASED INTELLIGENT SECURITY SYSTEM
126. MOTION BASED AUTOMATIC DOOR OPENER
127. SPHERICAL ROBOT
128. AC POWER STRENGTH CONTROLLER SYSTEM
129. RESONANT INVERTER FOR INDUCTION HEATING APPLICATIONS
130. IMPLEMENTATION OF SOLAR INVERTER
131. CHARGE AND LOAD PROTECTION IN SOLAR POWER MANAGEMENT
132. SOLAR BASED HIGHWAY TRANSPORT SYSTEMS
133. IMPLEMENTATION OF LASER MUSIC SYSTEM:
134. DESIGN AND IMPLEMENTATION OF AN LCD SCREEN DIGITAL STOP WATCH WITH MICROCONTROLLER
135. INCOMING CALL INDICATION FOR MOBILE
136. LOW COST FIRE ALARM SYSTEM
137. ELECTRICITY GENERATION FROM SPEED BREAKERS
138. AUTOMATIC PLANT WATERING SYSTEM

139.8051 MICROCONTRLLER BASED DIGITAL VOLTMETER

140.THREE PHASE INDUCTION MOTOR SPEED CONTROL USING
PWM TECHNIQUE

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