

**POWER ELECTRONICS BASED PROJECTS**

<b>Intelligent Power Factor Indicator &amp; Correction with Multiple Capacitor Banks</b>
<b>Remote Controlled Solar Tracking System</b>
<b>Digital PID Controller Based Speed Control of DC Motor</b>
<b>SCR DCR Circuit Breaker</b>
<b>Seat belt based ignition System for car</b>
<b>A Novel Single-Stage Full-Bridge Buck Boost Inverter Active Harmonic Elimination for Multilevel Converters</b>
<b>Quasi Resonant Converter fed DC Drive</b>
<b>Induction Motor Improvement for Energy Saving System</b>
<b>Pedal operated Solar Cell Phone Charger</b>
<b>Solar Powered Automatic head light Dim/Bright Controller</b>
<b>Solar grass cutting machine for colleges</b>
<b>Foot Step Power Generation System</b>
<b>3 Phase MOSFET based PWM Inverter using Microcontroller</b>
<b>Energy Saving System Using Thyristor Controllers</b>
<b>Solar Street light with day night Control</b>
<b>Supervisory Control and Data Acquisition for Instrumentation in Industrial Monitoring System</b>
<b>Pedal operated wet grinder with Cell Phone charger</b>
<b>Energy Saving in Single Phase Induction Motor using A.C Chopper</b>
<b>Intelligent Multi-parameter Monitoring System with LCD Display and Das</b>
<b>Remote Controlled floor cleaning Robot</b>
<b>Protective Relay - V, I, V/F Protection, Impedance Relay using Microcontroller</b>
<b>Solar Powered Automatic Rain Operated Wiper</b>

<b>Measurement of the Radio Frequency Signal of A Circuit-Breaker</b>
<b>Solar powered Automatic temperature Controller with cooling System</b>
<b>Power Line Monitoring With Seven Segment Display</b>
<b>Automatic Nut inspection conveyor</b>
<b>Digital Tachometer using IR Optical Encoder Sensor</b>
<b>Wireless Water Distribution System</b>
<b>Automatic Water overflow Controlling System</b>
<b>Electronic Switching System Tackling Power Cut</b>
<b>Man less defense Multi-purpose Robot</b>
<b>Energy Saving System in Single Phase Induction Motor using AC Chopper</b>
<b>Bluetooth enabled Intelligent Handheld Multi-parameter Monitoring System</b>
<b>Remote Controlled tilting fan</b>
<b>Soft Starter and Energy Saver for 1-Phase Induction Motor using Bidirectional Voltage Regulator</b>
<b>Automatic Street light Controller</b>
<b>Multiple Starters with Over Load and Low High Voltage Protection with Multi Parameter Monitoring</b>
<b>Solar Wheel Chair for physically Disabled</b>
<b>Cyclo-converter Drive for AC Motors</b>
<b>Pick and Place Robot with Remote Control</b>
<b>Fault Location using Remote Connection, with Immediate Voice Feedback</b>
<b>Automatic drip Irrigation using Solar PV cell</b>
<b>Electronic Numeric Key Board cum Motorized (Mechanism) Safety Locker System with Electronic Security System</b>
<b>Closed Loop Speed Controller for DC Motor using Microcontroller</b>
<b>Security System for apartments or ban with police Control</b>
<b>Intellectual Power Analyzer &amp; Phase Changer</b>
<b>Conveyor automation with dimension inspection</b>

<b>Electricity and Water Pumping System using Wind Mill</b>
<b>Design &amp; Implementation OF Multi-Channel Temperature Measurement and Controller</b>
<b>Crack detection System for railway track by using IR sensor</b>
<b>Intelligent Wireless Patient Monitoring and warning System</b>
<b>Electrical Power Generation using steam Power Plant</b>
<b>Remote Access Control and Automation System for Electrical Appliances using Telephone Line</b>
<b>Power Jack with RF Based Remote Automation</b>
<b>Solar irrigation System</b>
<b>A New Active Clamping Zero-Voltage Switching PWM Current-Fed Half-Bridge Converters</b>
<b>Multi Power Utilizer - Maximum Demand Indicator and Power Factor Indicator</b>
<b>Intelligent Power Sharing of Transformers with Auto Protection</b>
<b>Automatic paint spraying pick and place Robot</b>
<b>Solar Air Cooler with heater</b>
<b>Bidirectional rotation of Single phase induction Motor using remote Control</b>
<b>Multi-purpose Soldier Robot</b>
<b>Automatic fire safety System and warning System for apartment</b>
<b>Microcontroller based Firing Circuit for Thyristor Converters</b>
<b>Adaptive Feed-forward and Feed Back Control Schemes for Sliding Mode Controlled Power Converters</b>
<b>Solar Agricultural Water Pumping System</b>
<b>Fitness equipment for localized electric power generation</b>
<b>Efficiency Detector for Relay &amp; Circuit Breaker</b>
<b>Electricity Billing System Automation with IRC Reader</b>
<b>Distribution &amp; Electrical Substation System &amp; Automation-SCADA</b>
<b>Remote Multi-parameter Measurement System and Control with WAP</b>
<b>Voltage Stresses on Stator Windings of Induction Motors Driven by IGBT PWM Inverters</b>
<b>Protection of Turbo Alternators - Generator Protection</b>
<b>SCADA based Waste Water Treatment</b>
<b>Single Phase Input to DC Output - DC Motor Drive-Armature Voltage Control</b>
<b>SCADA for Instrumentation, New Approach and Implementation</b>

## Neural Implementation of Fault Diagnosis of Transformers