



IT SERVICES

WEB DESIGN & DEVELOPMENT
SOFTWARE DEVELOPMENT
MOBILE APP APPLICATION
SEARCH ENGINE OPTIMIZATION
SERVER HOSTING & MAINTENANCE

IEEE PROJECTS

PYTHON, BIG DATA
ANDROID, IOS
PHP, JAVA, DOT NET
MATLAB, NS2, VLSI
EMBEDDED & IOT

FINAL YEAR PROJECTS
INPLANT TRAINING
INTERNSHIP TRAINING
POWER ELECTRONICS
PH.D RESEARCH GUIDANCE

POWER ELECTRONICS

DC/DC CONVERTERS

1. A New PV/FC/Battery DC-DC Converter
2. Full-Bridge DC-DC Converter and Boost DC-DC Converter with Resonant Circuit For Plug-in Hybrid Electric Vehicles
3. Power Generation System using Dual DC-DC Converter
4. Combination of interleaved single-input multiple-output DC-DC converters
5. A modified switched-boost DC-DC converter circuit with reduced current stress and output voltage ripple

INVERTERS

1. Implementation of Five Level Multilevel Inverter with Reduced Leakage Current
2. A Leakage Current-Free Photovoltaic Inverter and Its Control Method
3. Effect of PV-inverter's Reactive Power Injection and Location on Low-Voltage Distribution Power Systems
4. Modular multilevel inverter configuration with lesser switch counts
5. Switched-Capacitor Based Five-Level Inverter with Ground Connection
6. Switched Capacitor Based Transformerless Five-Level Inverter for the Minimization of Leakage Current in PV Systems
7. Partial Two-Stage Four-level Inverter for Grid-tied PV Application
8. Switched-Capacitor Multi-Input Seven-Level Inverter for HFAC Applications
9. A Comparative Analysis Between PI And PID Controllers For Different Levels Of Diode Clamp Multilevel Inverter To Improve Inverter Performance



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10. New Configuration of Multilevel Inverter with Reduced Number of Power Electronic Components
11. Speed Control of PV Array-Based Z-Source Inverter Fed Brushless DC Motor Using Dynamic Duty Cycle Control
12. Design of Thirteen Level Inverter suitable for Solar Farms

EV CHARGING

1. An On-Board Charging System for Light EVs with G2V and V2G Power Transfer Capability
2. Intelligent Coordinated Charging of Plug in Electric Vehicles for G2V and V2G Transactions
3. Performance Evaluation of Converters used in G2V and V2G Modes of Operation
4. V2G and G2V Technology in Micro-Grid Using Bidirectional Charger: A Review
5. Single Phase Multilevel Converter Based Battery Charger For Low Power EV Charging
6. EV Charging Station using Renewable Systems (Solar and Wind)
7. Modelling of Dual Active Bridge Converter for Application in EVs Charging Station
8. DC-DC Converter for EV Charger with Controlling Unit
9. Performance Verification of Full-Bridge DC To DC Converter Used for Electric Vehicle Charging Stations



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POWER SYSTEMS

1. Power compensation and Voltage flicker **control** of Solar-wind hybrid microgrid with optimized D-STATCOM using a **control** Technique
2. Improving the Operation of Power System **Control** During Disturbances Using **FACTS** Controllers
3. Mitigation of Ferranti Effect and Voltage **Control** in Transmission Systems Using Fuzzy Logic **Controlled** SVC
4. Dynamic Simulation of **FACTS** Devices Under Fault Conditions
5. Comparison of the Effect of Series and Shunt **Control** Devices on the Limit of Transient Stability
6. Sliding Mode **Control** of DFIG for a Variable Speed Wind Turbine
7. Fuzzy Logic based Static Synchronous Series Compensator (SSSC) to enhance Power System Security
8. Static Synchronous Series Compensator (SSSC) to Improve Power System Security