



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

DC DC CONVERTER

- Multifunctional Isolated DC-DC Converter for Electric Vehicles
- Interlinking Unipolar and Bipolar DC Microgrids Using a Bidirectional DC-DC Converter With Voltage Balancer Support
- A Novel Non-Isolated DC-DC Converter for Marine Water Pumping Applications using Solar PV System
- On the Control of DC-DC Converters in the SS-Compensated Wireless Power Transfer System
- A Low-stress High-gain Interleaved DC-DC Converter with Self-balancing Capacitor Voltage

DC /AC CONVERTERS (INVERTER)

- A Supercapacitor Assisted Technique for Reducing Losses in the Input Loop of an Inverter System for Solar PV Applications
- Implementation of Seven-Level Asymmetrical Multilevel Inverter for Solar PV Application

- MPC-Based Harmonic Injection Techniques for Reconfigurable Single/Three-Phase **Inverters** with Grid Neutral Point Connection
- Deadbeat Control Method for T-type Three-Phase Four-leg Three-level **Inverters**
- A Full-ANN Control Scheme of Single-Phase Grid-Connected **Inverter**
- Switching Loss Reduction in Dual **Inverter** Topology Using Optimized Modulation Strategy

MULTIPOINT CONVERTERS

- Three-phase Single-stage **Multipoint Bidirectional AC-DC Converter** with Reduced Power Conversion Stages
- High Gain **Multipoint Boost Converter** for Hybrid Renewable Energy Systems
- Research on the Switch Reuse Dual Buck/Boost-DAB Four-Port DC/DC **Converter**
- **Multipoint Current Fed Push/Pull Partial Power Converter** for Battery Integration in DC Microgrid
- Dual Input Step-up **Converter** for Portable Devices

RENEWABLE ENERGY SOURCES

- Grid-Connected Hybrid **Renewable Energy System** Under Various Operating Conditions

- Variable Phase-Shift Switching Strategy For Multi-Input Interleaved Boost Converters in Solar Energy Systems
- Single Inductor-Multi Input Single Output Buck-Boost Converter for PV system
- Improving Solar Power Efficiency: A Comparison of MPPT Methods with a Focus on Hybrid ANNP&O Controller
- Single Switch Hybrid Network-Based Large Step-Up DC-DC Converter for Solar PV Applications
- Multiphase Unidirectional Active Bridge High- Step-Up DC-DC Converter with Multiphase Serial-Output

- DC-Link Voltage Control and Power Management of BESS Integrated Wind Power System Using MATLAB
- Hybrid Energy System Simulation and Modelling Incorporating Wind and Solar Power

ELECTRIC VEHICLE BASED PROJECTS

- IoT Incorporated Prepaid Charging System for Electric Vehicles: A Design with RESs
- Intelligent Charging system for Electric Vehicle Batteries
- Interleaved Boost PFC with Half Bridge LLC Resonant Converter based EV Battery Charger
- PV fed Off-board E-bike Battery Charger using LLC Resonant Converter
- Performance of Single-Stage and Dual-Stage EV Battery Chargers for G2V and V2G Operation

- A Single-Phase Integrated Onboard **Charger** with a Wide Voltage Range for Plug-In Electric Vehicles
- **EV's Battery Charger** Integrated with High Power Density and Efficiency
- A Proposed Cuk Converter based Dual Input Hybrid Converter Topology as **EV** Charging Station

MODERN POWER SYSTEMS

- A Fuzzy Control Strategy for Improve the Performance of CHB-**STATCOM** Under Grid Faults
- Development of Internal Inverter Controller System with PWM VSC based **STATCOM**
- Dynamic Improvement of a **UPQC** System Operating Under Grid Voltage Sag/Swell Disturbances
- The Harmonic Mitigation for Heavy Rail Systems Using Shunt **Active Power Filter**
- V2G Integration Based on a **UPQC** With SMES
- Dual Function Photovoltaic System for Power Quality Enhancement and Power Generation

- Power Quality Enhancement of Stand-Alone Hydro Power Generation System Using UPQC
- Harmonic Elimination of AC Electric Railway Systems Using Shunt Active Power Filters
- Harmonic Current Compensation for CL Filtered Shunt Active Power Filter