

## EEE PROJECTS LIST

S.No	Title of the Project	Year
1	A Novel Level Shifted Carrier PWM Technique for Neutral Point Stabilization of Five Level DCMLI	2017
2	Fully Controlled H-Bridge Converter Based IM Control with 12-Sided Polygonal SVPWM	2017
3	MIL and SIL and PIL tests for MPPT algorithm	2017
4	LVRT of Grid Connected PV System with Energy Storage	2017
5	A Comparative Study of Different Multilevel Converter Topologies for Battery Energy Storage Application	2017
6	Photovoltaic maximum power point tracking under fast varying of solar radiation	2016
7	PV-wind hybrid system: A review with case study	2016
8	A Comparative Study of Different Multilevel Converter Topologies for High Power Photovoltaic Applications	2016
9	Cost Allocation of Transmission Line using a New Approach of MW Mile Method	2016
10	Multi Voltage Multi Circuit Transmission Tower Design to Reduce Right of Way	2016
11	PV-Active Power Filter Combination Supplies Power to Nonlinear Load and Compensates Utility Current	2015
12	Integration of Wind Power and Wave Power Generation Systems Using a DC Microgrid	2015
13	Modular Cascaded H-Bridge Multilevel PV Inverter With Distributed MPPT for Grid-Connected Applications	2015
14	A Series-LC-Filtered Active Damper with Grid Disturbance Rejection for AC Power-Electronics-Based Power Systems	2015
15	Novel Control Method for Reducing EMI in Shunt Active Filters with Level Shifted Random Modulation	2015
16	Grid Voltage Synchronization for Distributed Generation Systems Under Grid Fault Conditions	2015
17	Hybrid-Type Full-Bridge DC/DC Converter With High Efficiency	2015
18	A High Gain Input-Parallel Output-Series DC/DC Converter With Dual Coupled Inductors	2015
19	Performance of Three Phase II-level Inverter with reduced number of switches using different PWM Techniques	2015
20	A New Isolated Multilevel Inverter Based on Cascaded Three-Phase Converter Blocks	2015
21	Induction Motor Control With a Small DC-Link Capacitor Inverter Fed by Three-Phase Diode Front-end Rectifiers	2015

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22	An Improved iUPQC Controller to Provide Additional Grid-Voltage Regulation as a STATCOM	2015
23	Power and Voltage Control in a Grid-Connected Microgrid System with a Back-to-Back Converter	2015
24	DC Microgrid for Wind and Solar Power Integration	2015
25	Matching EV Charging Load With Uncertain Wind: A Simulation-Based Policy Improvement Approach	2015
26	Two-Stage Solar Photovoltaic-Based Stand-Alone Scheme Having Battery as Energy Storage Element for Rural Deployment	2015
27	Hybrid Multicarrier Modulation to Reduce Leakage Current in a Transformerless Cascaded Multilevel Inverter for Photovoltaic Systems	2015
28	Novel Control Strategy for Dynamic Load Sharing Between DC-DC Converters for DC Microgrid	2015
29	Power management strategy research for DC microgrid with hybrid storage system	2015
30	Power Control in AC Isolated Microgrids With Renewable Energy Sources and Energy Storage Systems	2015
31	A Novel Integrated Power Quality Controller for Microgrid	2015
32	Distributed Generation System with Hybrid Inverter Interfaces for Unbalanced Loads	2015
33	Reduced Cost of Reactive Power in Doubly Fed Induction Generator Wind Turbine System with Optimized Grid Filter	2014
34	Improved Active Power Filter Performance for Renewable Power Generation Systems	2014
35	Maximum Power Point Tracking Using Model Reference Adaptive Control	2014
36	THD Reduction and Voltage Flicker Mitigation in Power System Base on STATCOM	2014
37	Voltage Flicker Mitigation by FACTS Devices	2014
38	Power Quality Improvement in Grid Connected Renewable Energy Sources at Distribution Level	2014
39	Design of Third order L-C-L Filter for Diode-Clamped Multi-Level Inverter	2014
40	11-Level Multilevel Inverter with Reduced Number of Switches	2014
41	StatCom Control at Wind Farms With Fixed-Speed Induction Generators Under Asymmetrical Grid Faults	2013
42	A Doubly Fed Induction Generator Controlled in Single-Sided Grid Connection for Wind Turbines	2013
43	A High Step-Down Transformerless Single-Stage Single-Switch AC/DC Converter	2013
44	A New - - Droop Control Method for an Interline Photovoltaic (I-PV) Power System	2013

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45	Modeling and simulation of hybrid distributed Generation and its impact on transient Stability of power system	2013
46	Reconfigurable Solar Converter: A Single-Stage Power Conversion PV-Battery System	2013
47	A Novel DC Voltage Control Method for STATCOM Based on Hybrid Multilevel H-Bridge Converter	2013
48	An Improved Buck PFC Converter With High Power Factor	2013
49	A Single-Phase Grid-Connected Fuel Cell System Based on a Boost-Inverter	2013
50	DTC Scheme for a Four-Switch Inverter-Fed Induction Motor Emulating the Six-Switch Inverter Operation	2013
51	Nonlinear Speed Control for PMSM System Using Sliding-Mode Control and Disturbance Compensation Techniques	2013
52	A Modified Three-Phase Four-Wire UPQC Topology With Reduced DC-Link Voltage Rating	2013
53	A Dual Inverter-Based Super capacitor Direct Integration Scheme for Wind Energy Conversion Systems	2013
54	Z-Source Five Leg Inverter	2013
55	Light-to-Light: PV-Fed LED Lighting Systems	2013
56	Dynamic Model and Control of DFIG Wind Energy Systems Based on Power Transfer Matrix	2012
57	Minimization of Torque Ripple and Copper Losses in Switched Reluctance Drive	2012
58	A New Single-Phase Single-Stage Three-Level Power Factor Correction AC-DC Converter	2012
59	DC-to-DC Converter with Hybrid Input Sources	2012
60	A New Multilevel DC-DC Boost Converter for Fuel Cell Based Power System	2012
61	Hybrid Selective Harmonic Elimination PWM for Common-Mode Voltage Reduction in Three-Level Neutral-Point-Clamped Inverters for Variable Speed Induction Drives	2012
62	Analysis and Design of a Zero-Voltage-Switching and Zero-Current-Switching Interleaved Boost Converter	2012
63	Power Quality Improvement and Mitigation Case Study Using Distributed Power Flow Controller	2012

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64	A ZVS Interleaved Boost AC/DC Converter Used in Plug-in Electric Vehicles	2012
65	Interactive Distributed Generation Interface for Flexible Micro-Grid Operation in Smart Distribution Systems	2012
66	Characterization of Transmission Losses	2011
67	An Efficient High-Step-Up Interleaved DC–DC Converter With a Common Active Clamp	2011
68	Performance of a High-Efficiency Switched- Capacitor-Based Resonant Converter With Phase-Shift Control	2011
69	A Modified C-Dump Converter for BLDC Machine Used in a Flywheel Energy Storage System	2011
70	A New Single-Phase Soft-Switching Power Factor Correction Converter	2011
71	An Improved <i>LLC</i> Resonant Inverter for Induction-Heating Applications With Asymmetrical Control	2011
72	Load Compensation for Diesel Generator-Based Isolated Generation System Employing DSTATCOM	2011
73	A Novel Reference Signal Generation Method for Power-Quality Improvement of Unified Power-Quality Conditioner	2011
74	Dynamic Stability Improvement of an Integrated Grid-Connected Offshore Wind Farm and Marine-Current Farm Using a STATCOM	2011
75	Grid Interconnection of Renewable Energy Sources at the Distribution Level With Power-Quality Improvement Features	2011
76	Power Quality Improvement Using Interline Unified Power Quality Conditioner	2011
77	Fault Detection and Mitigation in Multilevel Converter STATCOMs	2011
78	Grid-Interfacing Converter Systems with Enhanced Voltage Quality for Microgrid Application Concept and Implementation	2011
79	An Improved Z-Source Inverter	2011
80	Rotor Position Feedback Over an RF Link for Motor Speed Control	2010
81	A High-Efficiency AC/DC Converter With Quasi-Active Power Factor Correction	2010
82	Harmonic Elimination in Single Phase Systems by Means of a Hybrid Series Active Filter (HSAF)	2010
83	Voltage Quality Improvement Using DVR	2010

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84	Torque Ripple Reduction in Direct Torque Control of Induction Machines by Use of all Voltage Vectors of Matrix Converters	2010
85	APF for Harmonic Voltage Resonance Suppression in Distribution System	2010
86	Novel Direct Torque Control Based on Space Vector Modulation With Adaptive Stator Flux Observer for Induction Motors	2010
87	Power-Management Strategies for a Grid-Connected PV-FC Hybrid System	2010
88	A STATCOM-Control Scheme for Grid Connected Wind Energy System for Power Quality Improvement	2010
89	Single-Phase to Three-Phase Drive System Using Two Parallel Single-Phase Rectifiers	2010
90	Estimation and Mitigation of Voltage and Current Harmonics in Distribution Systems	2010
91	Instantaneous Power Control of D-STATCOM with Consideration of Power Factor Correction	2010
92	Torque Ripple Reduction in Direct Torque Control of Induction Machines by Use of all Voltage Vectors of Matrix Converters	2010
93	Simulation of Five Level Five Phase SVPWM Voltage Source Inverter	2010
94	A Voltage Controlled Adjustable Speed PMBLDCM Drive using A Single-Stage PFC Half-Bridge Converter	2010
95	Enhancement of Power Quality in Distribution System Using D-STATCOM	2010
96	A Simplified Three Phase PWM Rectifier With Fixed Frequency Modulation	2010
97	A Novel Three-Phase to Five-Phase Transformation Using a Special Transformer Connection	2010
98	Control Scheme to Improve DPFC Performance during Series Converter Failures	2010
99	A Fast-Acting DC-Link Voltage Controller for Three-Phase DSTATCOM to Compensate AC and DC Loads	2009
100	A Three-Level Full-Bridge Zero-Voltage Zero-Current Switching Converter With a Simplified Switching Scheme	2009
101	Improved Z-Source Inverter With Reduced Z-Source Capacitor Voltage Stress and Soft-Start Capability	2009
102	A Novel Three-Phase Three-Leg AC/AC Converter Using Nine IGBTs	2009
103	Analysis and Control of Buck-Boost Chopper Type AC Voltage Regulator	2009

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104	Voltage Flicker Compensation using STATCOM	2009
105	Wide-Speed-Range Estimation With Online Parameter Identification Schemes of Sensorless Induction Motor Drives	2009
106	Simulation of Three-phase Voltage Source PWM Rectifier Based on Direct Current Control	2008
107	Possibility of Power Tapping From Composite AC-DC Power Transmission Lines	2008
108	Power Quality Improvement in Conventional Electronic Load Controller for an Isolated Power Generation	2008
109	A Simple Voltage Balancing Scheme for m-Level Diode-Clamped Multilevel Converters Based on a Generalized Current Flow Model	2008
110	Tri-State Current Source Inverter With Improved Dynamic Performance	2008
111	Hybrid Cascaded Multilevel Inverter with PWM Control Method	2008
112	Control of Grid-interfacing Inverters with Integrated Voltage Unbalance Correction	2008
113	Optimum Control of Selective and Total Harmonic Distortion in Current and Voltage Under Nonsinusoidal Conditions	2008
114	Modelling and Power Quality Enhancement to AC Drives Based on Synchronous PI Current Control Technology of PWM Rectifier	2008
115	Interline Unified Power Quality Conditioner	2007
116	An Improved Power-Quality 30-Pulse AC-DC for Varying Loads	2007
117	Enhancement of Voltage Quality in Isolated Power Systems	2007
118	Power Upgrading of Transmission Line by Combining AC-DC Transmission	2007
119	Modelling Analysis and Control of Multilevel Converter Based STATCOM.	2007
120	Adaptive SDRE-Based Nonlinear Sensorless Speed Control for PMSM Drives	2007
121	THD Reduction in IEEE 13 Bus Distribution System	2013
122	Analysis of Total Harmonic Distortion for PV-Battery Hybrid System with Multilevel Inverter	2013
123	Indirect vector control Induction motor drive Performance under low speed	2012
124	Enhancement of Power Quality by UPQC Device in SCIG Wind Farm to Weak Grid Connection	2012

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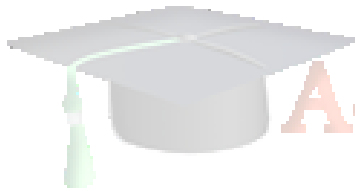
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125	Direct Torque Control of Induction Motor Using Space Vector Modulation (SVM- DTC)	2012
126	Speed Control of a BLDC Drive with a Single-Stage PFC Using Buck Half-Bridge Converter	2012
127	Modelling and Simulation of Series Compensator to Mitigate Power Quality Problems	2010
128	The analysis and the simulation of the SVM Generator used for the control of the Electric drives with asynchronous motors	2007
129	Simulink Implementation of Induction Machine Model	
130	Analysis of Controllable Series Compensator to Suppress Power System Oscillations	
131	Sensorless Control of Induction Motors	



Academic Project Support

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