



SPIRO
SOLUTIONS PVT LTD

POWER SYSTEM

PROJECT TITLE 2017-2018

1. POWER SYSTEMS

1	ITPS01	Replacing the Grid Interface Transformer in Wind Energy Conversion System With Solid- State Transformer	2017
2	ITPS02	Transient Control of Reactive Current for Line-side Converter of Brushless Doubly Fed Induction Generator in Stand-alone Operation	2017
3	ITPS03	Power quality enhancement for a grid connected wind turbine energy system	2017
4	ITPS04	Advanced Voltage Support and Active Power Flow Control in Grid-Connected Converters under Unbalanced Conditions	2017
5	ITPS05	An Improved Transformer Winding Tap Injection DSTATCOM Topology for Medium-Voltage Reactive Power Compensation	2017
6	ITPS06	A Unified Control and Power Management Scheme for PV-Battery-Based Hybrid Micro grids for Both Grid-Connected and Islanded Modes	2017
7	ITPS07	Single-Stage Three-Phase Grid-Tied PV System with Universal Filtering Capability Applied to DG Systems and AC Micro grids	2017
8	ITPS08	SSR Mitigation with a New Control of PV Solar Farm as STATCOM (PV-STATCOM)	2017
9	ITPS09	Small Signal Dynamics of DFIG-based Wind Turbines during Riding Through Symmetrical Faults in Weak AC Grid	2017
10	ITPS10	Power Quality Improvement by using Shunt Hybrid Active Power Filter	2017
11	ITPS11	A Single-Phase Buck Matrix Converter with High-Frequency Transformer Isolation and Reduced Switch Count	2017

12	ITPS12	A Matrix Converter Based Bidirectional Contactless Grid Interface	2016
13	ITPS13	Improving Performance Of Cascaded H Bridge Based Interline Dynamic Voltage Restorer	2016
14	ITPS14	Low Power Energy Conversion With Two Phase Permanent Magnet Machine And Rectifier With Reduced Number Of Controlled Switches	2016
15	ITPS15	Efficient Single Phase Transformer less Inverter Grid Tied PVG System With Reactive Power Control	2016

Education Partners:



Technologies and Domain used:

IEEE 2017, Java, J2ee, Android, Bigdata, Dot net, Arduino, Raspberry pi, IOT, Renewable, PHP, Embedded, Vlsi, Matlab, VB, Net working, Data Mining, Image Processing, Cloud Computing, Mobile Computing, Multimedia, Network Security, Soft Engg, Grid Computing, Automation, Robotics, Communication, RF, Zigbee, Blue tooth, GSM/GPS/GPRS, Power Electronics & Systems, Electrical, DSP, RTOS, Bio metrics, Civil, Analysis, Fabrication, Mechanical, CFD, FEA, etc.

Features

- Latest 2017 IEEE, Science Direct, ACM based project concept and solutions.
- State of the art infrastructure, Innovative Project training methods.
- All our efforts are focused on students to meet industry requirements.
- Our environment is encapsulated with doctorates, professionals and other experts.
- Excellent Placements through our **Spiro HR Management Consultants (SMC) Pvt Ltd.**

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