

**VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH**

**Department of Electrical & Electronics Engineering**

**LIST OF FACULTY PUBLICATION FOR CALENDAR YEAR 2016**

**JOURNAL PUBLICATIONS**

S. No	Name of Faculty	Title	Journal	Indexing	Year	ISSN. No
1	K.Bala Krishna, K.Rachananjali	Design of MPPT based Solar Photo Voltaic System for Household Applications	IJCTA	Scopus	2016	0974-5572
2	K.Rachananjali, K.Bala Krishna, M Sandeep	Distributed Power Flow Controller (DPFC)	IJCTA	Scopus	2016	0974-5572
3	K.Bala Krishna, A Sri Hari Babu	Improvement of Power Quality Problems Based on Distribution statcom by Using Spwm Technique	IJCTA	Scopus	2016	0974-5572
4	A.Srihari Babu	MPPT Technique for Wind Energy Conversion System Driven By PMSG	IJCTA	Scopus	2016	0974-5572
5	Rajesh Kumar S., N. Ramaraj D. Anil Kumar	Renewable Energy Sources for Smart-Grid	IJCTA	Scopus	2016	0974-5572
6	Shaik Hussainbi, Daiva Prasanna P., Dr G Srinivasa Rao Ch Narasimha Rao	Analyzing the Performance of Three Phase Five Level Inverter Fed BLDC Drive	IJCTA	Scopus	2016	0974-5572
7	P. Venkata Subba Rao Dr G. Srinivasa Rao	Current Trends in Electrical Drones in the Alive Technology	IJCTA	Scopus	2016	0974-5572
8	A. Naveen Reddy, A. Sri hari Babu, Ch. Narasimha Rao, Ch. Uma Maheswara Rao	Analysis of Distributed Power Flow Controller in Power Systems	IJCTA	Scopus	2016	0974-5572
9	Geetha Reddy Evuri, Dr G. Srinivasa Rao, T. Rama Subba Reddy K. Srinivasa Reddy	Current Trends In Ultra Capacitor/Battery Based Smart Transportation System	IJCTA	Scopus	2016	0974-5572
10	A. R. Vijay Babu,D. Manikanta Swamy, K. Pavan Kumar Abu Talha Siddiqi	Design and Performance Analysis of “v” type Solar Desalination Still	IJCTA	Scopus	2016	0974-5572
11	V. Rajyalakshmi A. R. Vijay Babu	Implementation of PV based High-step-up DC-DC Converter with Different Cascade H-bridge (CHB) Topologies	IJCTA	Scopus	2016	0974-5572
12	Sandeep Manda, Siva Sankar G, Bala Krishna K Moturu Bindu	Power System State Estimation Using Minimal Placement of Phasor Measuring Units	IJCTA	Scopus	2016	0974-5572
13	A. Naveen Reddy, Ch. Narasimha Rao. K. Rachananjali, R.Yeswanth Deekshith	Comparitive Harmonic Analysis of Different SVPWM Topologies	IJCTA	Scopus	2016	0974-5572

14	K. Mercy Roslina, V. Havishma Amrutha Shaik Riyaz	Statcom Controlled Grid Connected Wind Generated System for Improvement in Power Quality	IJCTA	Scopus	2016	0974-5572
15	N. Ramaraj, K. Sindhu Chowdary	An Analytical Method to Optimize Generation Schedule with a Fuel Restricted Plant Including Transmission Losses	IJCTA	Scopus	2016	0974-5572
16	Dr G.Srinivasa Rao A.R.Vijay Babu	Effect of design and operating parameters on the performance of planar and ducted cathode structures of an Air breathing PEM fuel cell	Arabian Journal for science and Engineering, Springer publisher	SCIE & Scopus	2016	
17	Ch. Narasimha Rao, A. Sri Hari Babu, A. R. Vijay Babu	PV based DC-DC converter fed Cascaded H- Bridge Inverters	IJCTA	Scopus	2016	0974-5572
18	A.R.Vijay babu Dr G.Srinivasa rao	Harnessing Power Using A High Step-Up Three-Port DC-DC Convertor	IJCTA	Scopus	2016	0974-5572
19	P.V.S.Sobhan, D.V.N.Ananth, G.V.Nagesh, Ravindranath Chowdary	Design of Enhanced Field Oriented Flux Control Technique for Grid Connected DFIG Under Low Voltage Fault Ride Through	IJCTA	Scopus	2016	0974-5572
20	P.V.S. Sobhan, M.Subba Rao M.V.Sudarasan	Modeling And Analysis of New Design Self Bearing Motor For small And High Speed Applications	IJCTA	Scopus	2016	0974-5572
21	Dampuru Naga Sai Saranya P.V.S.Sobhan	Adaptive Fuzzy Pid Controller Based Maximum Power Point Tracking For PV Fed DC Motor Drive	IJCTA	Scopus	2016	0974-5572
22	K. Mercy Rosalina, K. Bala Krishna, A. R. Vijay Babu, A. Naveen Reddy	Optimization of Phasor Measuring Units for Power System State Estimation	IJCTA	Scopus	2016	0974-5572
23	D. Anil Kumar, Dr. N. ramaraj	A study of Renewable Energy Sources for Smart- Grid	IJCTA	Scopus	2016	0974-5572
24	R.Aravind Babu P.V.S.Sobhan M.Subba Rao	Reduction Of Current Ripple and THD In VSI Fed Induction Motor Using Fuzzy Based SVPWM	IJCTA	Scopus	2016	0974-5572
25	M.Subba Rao P.V.S.Sobhan	Design and Implementation of PV Fed Two Stage DC/DC Converter for Home Applications	IJST	Scopus	2016	0974-6846
26	Dr G.Srinivasa Rao A.R.Vijay Babu	Design and fabrication of a Non-Dissipative charge equalization converter for battery stack used in Hybrid electric vehicle	Journal Of Electrical Engineering	Scopus	2016	1582-4594

27	M.Subba rao Dr.Ch.Sai Babu Dr.S.Satyanarayana	Design And Implementation of High Power Factor Power Supply For Leds Based on Integrated Converter	IJCTA	Scopus	2016	0974-5572
28	K.Santhi Priya M.Subba Rao P.V.S.S Shoban	Auxiliary resonant High Frequency DC/DC converters	IJCTA	Scopus	2016	0974-5572
29	R.V.S. Uma Mahesh M.Subba Rao, M.Suneetha P.V.S.Sobhan	Fuzzy Controlled Grid Interfaced 4-Leg Inverter for Power Quality Improvement	IJCTA	Scopus	2016	0974-5572
30	Ravalika Gundu, S.L.V.Sravan Kumar M.Subba Rao K.Raghavaiah	A High Efficiency And High Voltage Gain Step Up DC-DC Converter for DC Micro Grid Applications	IJCTA	Scopus	2016	0974-5572
31	A.Naveen Reddy Ch.Chinna saida Reddy	Solar PV ARRAY Fed Four Switch Buck-Boost Converter for LHB Coach	IJCTA	Scopus	2016	0974-5572
32	K.Bala Krishna K.Rachananjali	Speed Control of single phase Induction Motor Using Single phase Matrix Converter	IJCTA	Scopus	2016	0974-5572
33	A.Sriharibabu, Ch.Uma Maheswara Rao R.Yeswanth Deekshith	Harmonic Analysis and comparative Study of Various SVPWM Techniques Using Matlab	IJCTA	Scopus	2016	0974-5572
34	Ch.N.Narasimha Rao	Performance Enhancement in a Multi bus Micro grid by the control of DG	IJCTA	Scopus	2016	0974-5572
35	Attuluri.R.Vijay Babu, Dr G.Srinivasa Rao, P.Manoj Kumar, Suman Saranu, A.Srihari Babu, Ch.Uma Maheswara Rao, A.J.R.Ravi Teja	Energy and Green house gas payback time analysis of an Air Breathing Fuel Cell Stack	Journal of Electrical Engineering	Scopus	2016	47-51
36	C.Sreenivasulu, CH.N.Narasimharao	“Sensor Based Four Quadrant Closed Loop Operation and Control of BLDC Motor Drives	“International Journal of advanced Technology and Innovative research,	Non-Scopus	2016	2348–2370

### CONFERENCE PUBLICATIONS

S. No	Name of the faculty	Title of the conference	Dates	Organizing Institute	Title of the paper
1	M.Subba Rao	International Conference on Electric Power and Energy Systems (ICEPES16)	14-16, Dec 2016	MNIT Bhopal	Neuro Fuzzy Based Controller For Doubly Fed Induction Generator With Wind Turbine

2	M.Subba Rao	7 <sup>th</sup> IEEE India International Conference on Power Electronics (IICPE2016)	17-19,Nov 2016	Thapar University, Patiala, Punjab	Neuro Fuzzy based Indirect Vector Control of Doubly fed Induction Generator with wind turbine
3	Polamraju. V.S. Sobhan, M. Subba Rao	Aerospace Electronics Electrical Communication and Instrumentation (AEECI-16)	22 & 23 Oct, 2016	V.R.S.E. C, Vijayawada	Higher Order Sliding Mode Control of Electromagnetic Suspension System
4	M. Subba Rao, Polamraju.V.S.Sobhan	Aerospace Electronics Electrical Communication and Instrumentation (AEECI-16)	22 & 23 Oct, 2016	V.R.S.E. C, Vijayawada	Design and implementation of pv fed two stage dc/dc converter for home application
5	A. Sriharibabu,	Aerospace Electronics Electrical Communication and Instrumentation (AEECI-16)	22 & 23 Oct, 2016	V.R.S.E. C, Vijayawada	A Novel Hybrid Wind Solar Power System With Open Winding Permanent Magnetic Machine
6	A.R.Vijay Babu	International conference on Allied Electrical and Communication Systems (ICAECS2016)	8 -11 Dec, 2016	Vignan's Foundation for Science, Technology & Research, Vadlamudi,	Design and Performance analysis of "v" type solar desalination still
7	A.R.Vijay Babu	International conference on Allied Electrical and Communication Systems (ICAECS2016)	8 -11 Dec, 2016	Vignan's Foundation for Science, Technology & Research, Vadlamudi,	Implementation of PV based high-step-up DC-DC converter with different cascade H-bridge (CHB) topologies

8	A.R.Vijay Babu	International conference on Allied Electrical and Communication Systems (ICAECSS2016)	8 -11 Dec, 2016	Vignan's Foundation for Science, Technology & Research, Vadlamudi,	Energy Conservation and Management strategies of VFSTR University: A Case Study
9	Dr.G. DurgaSukumar	Power, Control, Communication and Computational Technologies for Sustainable Growth (PCCCTSG)"	Jan, 2016	G. Pulla Reddy Engineering College, Kurnool, Andhra Pradesh	Effect of Load Change on Source Parameters in Power System
10	J. Jithendranath	Power, Control, Communication and Computational Technologies for Sustainable Growth (PCCCTSG)"	Jan, 2016	G. Pulla Reddy Engineering College, Kurnool, Andhra Pradesh	Effect of Load Change on Source Parameters in Power System
11	J.Suresh	Joint International Conference on ICAIECES - 2016 & ICPCIT - 2016	28-29, Mar 2016	VIT University, Vellore	Detection of permanent faults using FLC method
12	Ch. Saidareddy	Joint International Conference on ICAIECES - 2016 & ICPCIT - 2016	28-29, Apr 2016	Madanapalle Institute of Technology & Science	Hybrid Bearing less Switched-Reluctance Motor using Single-Neuron Adaptive PID Controller for PV Pump
13	K.Bala Krishna	Joint International Conference on ICAIECES - 2017 & ICPCIT - 2016	28-29, Apr 2016	VIT University, Vellore	ANFIS Controller for Series-Parallel Hybrid Vehicle
14	K.Rachananjali	Joint International Conference on ICAIECES - 2016 & ICPCIT - 2016	28-29, Apr 2016	Thapar University, Patiala, Punjab	ANFIS Controller applied to electric vehicles
15	Ch.N.Narasimha Rao	Joint International Conference on ICAIECES - 2016 & ICPCIT - 2016	28-29, Apr 2016	Madanapalle Institute of Technology	Modelling of Grid Synchronisation under Unbalanced Faults Using Pll Techniques

16	K. Mercy Roslina	Joint International Conference on ICAIECES - 2016 & ICPCIT - 2016	28-29, Apr 2016	MNIT Bhopal	Distributed Generator in Distribution System By Adopting HS Algorithm
17	P.V.S Sobhan	Joint International Conference on ICAIECES - 2016 & ICPCIT - 2016	28-29, Apr 2016	Thapar University, Patiala, Punjab	Power flow optimization using PSO
18	K. Mercy Roslina	Joint International Conference on ICAIECES - 2016 & ICPCIT - 2016	28-29, Apr 2016	VIT University, Vellore	Modelling of D-STATCOM for distribution generation
19	A.R.Vijay Babu	International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT-2016)	21-22, Apr 2016	Thapar University, Patiala, Punjab	Modelling of Fuel cell powered Quadratic Boost Converter based Multilevel Inverter
20	Dr.G.Srinivasa Rao	International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT-2016)	21-22, Apr 2016	VIT University, Vellore	Design of UC powered Quadratic Boost Converter based Multilevel Inverter
21	K.Bala Krishna	International Conference on Power and Embedded Drive Control (ICPEDC 2016)	16-18, Mar 2016	SSN College of Engineering, Chennai	Nonlinear approach to find the minimal placements of phasor measuring units
22	M.Sandeep	International Conference on Power and Embedded Drive Control (ICPEDC 2016)	16-18, Mar 2016	MNIT Bhopal	Analysis of converter modelling for multilevel inverter application
23	A Sriharibabu	International Conference on Power and Embedded Drive Control (ICPEDC 2016)	16-18, Mar 2016	Thapar University, Patiala, Punjab	Load flow study to know the cyber attacks
24	P.V.S.Sobhan	International Conference on Power and Embedded Drive Control (ICPEDC 2016)	16-18, Mar 2016	VIT University, Vellore	Combined conventional controllers applied to BLDC speed control
25	M.Subba Rao	International Conference on Power and Embedded Drive Control (ICPEDC 2016)	16-18, Mar 2016	SSN College of Engineering,	Comparative analysis of different method applied to load optimization
26	M.Subba Rao	International Conference on Electric Power and Energy Systems (ICEPES16)	14-16, Dec 2016	MNIT Bhopal	ANN technique applied to induction fed generator for wind power generation
27	M.Subba Rao	7th IEEE India International Conference on Power Electronics (IICPE2016)	17-19, Nov 2016	Thapar University, Patiala, Punjab	Integration of Wind and solar power with MPPT
28	Polamraju. V.S. Sobhan, M. Subba Rao	Aerospace Electronics Electrical Communication and Instrumentation (AEECI-16)	22 & 23 Oct, 2016.	V.R.S.E. C, Vijayawada,	Comparative analysis of MPPT powered system with different controllers

29	M. Subba Rao,	Aerospace Electronics Electrical Communication and Instrumentation (AEECI-16)	22 & 23 Oct, 2016.	Thapar Universit y, Patiala, Punjab ,	Design and analysis of PV cell power line with different load conditions
30	A. Naveen Reddy	Aerospace Electronics Electrical Communication and Instrumentation (AEECI-16)	22 & 23 Oct, 2016.	VIT Universit y, Vellore	A novel controller applied to wind power application
31	A. Sriharibabu,	International conference on Allied Electrical and Communication Systems (ICAECS2016)	8 -11 Dec, 2016.	Vignan's Foundati on for Science, Technolo gy & Research, Vadlamu di,	Solar powered vehicles: A review
32	A.R.Vijay Babu	International conference on Allied Electrical and Communication Systems (ICAECS2016)	8 -11 Dec, 2016.	Vignan's Foundati on for Science, Technolo gy & Research, Vadlamu di,	Analysis of micro grid based power stations
33					
34	A.R.Vijay Babu	International conference on Allied Electrical and Communication Systems (ICAECS2016)	8 -11 Dec, 2016.	Vignan's Foundati on for Science, Technolo gy & Research, Vadlamu di,	Design of converter for i- land power generation systems
35	M.Subba Rao	International Conference on Electric Power and Energy Systems (ICEPES16)	14-16, Dec 2016	MNIT Bhopal	Design and implementation of Neuro Fuzzy Based Controller For Induction Generator
36	Polamraju.V.S.Sobhan	7th IEEE India International Conference on Power Electronics (IICPE2016)	17-19, Nov 2016	Thapar Universit y, Patiala, Punjab	Implementation of controllers of multilevel inverters used in micro grid application