



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

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Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

## Department of Electrical & Electronics Engineering

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### FACULTY PUBLICATIONS FOR THE ACADEMIC YEAR 2022-2023

S.No	Name of the Author(s)	Title of the Paper (Domain)	Name of the Journal	Month and Year of publication	ISSN/DOI
1.	Dr. A. Srujana	Smooth Transition Strategy for Different Modes of Operation in Microgrid (RES)	International Journal of Mechanical Engineering,	December, 2022,	Vol. 7 No. 12, Pages No: 33-45.
2.	Dr. A. Srujana	Artificial Intelligence Based Optimization of EV Motors Operation With Power Regulation Features (AI in EE)	International Journal of Mechanical Engineering,	December, 2022	Vol. 7 No, Pages No:55-62
3.	Dr. A. Srujana	A Maximum Power Control Strategy For Grid Integrated Solar PV System During Abnormal Conditions. (RES)	High Technology Letters,	Volume 28, Issue 12, 2022	Volume 28, Issue 12, Pages No: 134-150,
4.	Dr.C. N. Ravi	Control And Functionality Of A Dc Power Electronic Transformer Based On Series Connection Of Full-Bridge Converters (PE in PS)	Neuro Quantology	December 2022   Volume 20   Issue 20   Page 645-653	eISSN1303- 5150
5.	C.N. Ravi Nimmala Devika,	A Novel Controller For Grid Connected Dual Input Pv Converter With Less Conversion Stages. (RES)	International Journal of Mechanical Engineering	Vol. 7 No. 12 December, 2022	ISSN: 0974-5823
6.	Dr.C.N. Ravi Banapuram Anusha,	Implementation Of Sliding Mode Control Of Pwm Dual Inverter –Based Grid-Connected PvSystem: Modelling And Performance Analysis . (RES)	International Journal of Mechanical Engineering	December, 2022	ISSN: 0974-5823 Vol. 7 No. 12



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7.	Dr. C. N. Ravi	Optimization of passive filter components through active filtering of current ripple reduction in an inverter (PE in PS)	International Journal of Power Electronics and Drive Systems	2022&March	ISSN: 2088-8694, pp298-308
8.	Asrar Ahmed Siddiqui, Dr. C. N. Ravi	The Effects of Increasing Solar PV System Penetration on Power Grid Voltage Stability (RES)	High Technology Letters	Dec-22	ISSN NO: 1006-6748
9.	A.Srilatha k.Sathish kumar	Review on Electric Vehicles Smart Charging: Solutions, Strategies, Technologies and Challenges (EV)	International Research Journal of Education and Technology	Dec-22	ISSN 2581-7795
10.	A.Srilatha k.Sathish kumar	Review of Technologies, Charging Methods, Standards, and Optimization Techniques for Electric Vehicles (EV)	IJARIE	Nov-22	ISSN(O)-2395-4396 Vol-8 Issue-6 2022
11.	Mrs. A.Srilatha	Implementation of Power Enhancement with Grid Stabilization of RES based generation system using UPQC-FLC-EVA Technique (RES)	IJME	Dec-22	ISSN:0974-5823
12.	Mr. Hussain Shaik	Power Quality Improvement for Dc Power Distribution in System Low Voltage (PE in PS)	Neuro Quantology	Dec-22	eISSN1303- 5150
13.	, S.Chaitanya	Power Quality Enhancement In A Solar PV Plant Integrated Utility Grid By Using Recurrent Neural Network (RES)	International Journal of Mechanical Engineering	Dec-22	ISSN: 0974-5823
14.	Mr. B. Rajesh	Design Of Hybrid Solar PV and Wind- Based Grid Interactive System for Regulated Power Flow (RES)	High Technology Letters	Dec-22	ISSN NO: 1006-6748



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15.	Mr. P. Nageswara Rao	Improvement Of Power Quality in Res Connected Power Grid By Using Smart Electric Spring Technology ( PE in PS)	High Technology Letters	Dec-22	ISSN NO: 1006-6748
16.	K. Swapna	A Hybrid Energy System Based EV Charging Station With Solar Bess And Diesel Generator Along With Advanced Controller For Grid Power Quality Regulation (EV)	International Journal of Mechanical Engineering	Dec-22	ISSN: 0974-5823
17.	Hussain Shaik	Distributed Load Frequency Control in Future Smart Power Systems (PE in PS)	High Technology Letters	Dec-22	ISSN NO: 1006-6748
18.	Mr.ParameshwarTummeti	Improved Power Quality Based on Solar PV Energy Generation System Interfaced to Three Phase Grid (RES)	High Technology Letters	Dec-22	ISSN NO: 1006-6748
19.	Mrs. A.Srilatha Ms.Gullaiahgari Renuka	Implementation Of Power Enhancement With Grid Stabilization Of Renewable Energy Based Generation System Using Upqc-Flc-Eva Technique (RES)	International Journal of Mechanical Engineering	Dec-22	ISSN: 0974-5823
20.	A Mohandas	A Generalized Non-Carrier Modulation Technique for an Asymmetric Source Configuration of SinglePhase CHB-MLI Topology Using PLECS Tool (PE in PS)	IEEE 2nd International Conference on Sustainable Energy and Future Electric Transportation	August 2022	DOI: 10.1109/SeFeT5552 4.2022.990907



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21.	Dr.K.Raghavaiah	Investigation on Intelligent Controllers Performance Used in Electric Vehicle Application (EV)	International Journal of Ambient Energy	Dec-22	DOI: 10.1080/01430750.2 020.1861092