



# 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 2023-2024

S.No	Name of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN/DOI
1	Dr. A. Srujana	A grid-connected PV module integrated electric vehicle charging station (RES & EV)	Dizhen Dizhi Journal	August 2023	(ISSN:0253-4967) Volume 15 Issue 08
2	Dr. A. Srujana	An approach to recognize hand gestures using convolution neural networks and recurrent neural networks (AI & DS in EE)	ICDTCCS 2023	August 2023	ISBN 978-1-032-66547-4
3	Dr. A. Srujana	System for managing batteries in electric vehicles (RES)	ICDTCCS 2023	August 2023	DOI:10.1201/9781032665535-48
4	Dr.C. N. Ravi	Harmonics mitigation by advanced control module in an electrical grid with multiple electrical vehicles charging stations (EV)	Dizhen Dizhi Journal	August 2023	(ISSN:0253-4967) Volume 15 Issue 08
5	MR.B. Rajesh T. Haveela	A comparative analysis with different MPPT modules integrated for efficient PMSM drive solar water pumping system (RES)	Dizhen Dizhi Journal	August 2023	(ISSN:0253-4967) Volume 15 Issue 08
6	P. Nageswara Rao S. Chaitanya K. Rajeev	Review on the Electric Spring Connected to the Renewable Energy System to Minimize Harmonics and Voltage Profile Enhancement (RES)	E3S Web of Conferences 472, 01007 (2024)	December 2023	<a href="https://doi.org/10.1051/e3sconf/202447201007">https://doi.org/10.1051/e3sconf/202447201007</a>



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7	P. Nageswara Rao	Utilizing Artificial Neural Network For the Regulation Of Electric Springs In Renewable Systems (AI &DS in EE)	E3S Web of Conferences 472, 01007 (2024)	December 2023	<a href="https://doi.org/10.1051/e3sconf/202447201005">https://doi.org/10.1051/e3sconf/202447201005</a>
8	D.Srikanth	Design and Analysis of FLC based Speed Control for a Five-Leg Inverter Fed a Dual-Induction Motor System (PE in PS)	International Journal of Scientific Research in Engineering and Management (IJSREM)	July - 2023	Volume: 07 Issue: 07 ISSN: 2582-3930
9	Mr. M. Vijaykumar	Improved Power Quality Transformer Less Single Stage Bridgeless Converter Based Charger For Light Electric Vehicles (EV)	Journal of Engineering Sciences	April 2024	Vol 15 Issue 06,2024
10	Mr. Hussain shaik	Deep Forest-Based Automatic Generation Control Strategy (PE in PS)	International Journal of Science, Engineering and Technology	December 2023	ISSN (Online): 2348-4098 ISSN (Print): 2395-4752
11	K.Swapna	Speed regulation of PV fed 8/6 switched reluctance motor using optimized controller (RES)	E3S Web of Conferences International Conference on Materials Processing and Characterization (ICMPC 2023)	October 2023	<a href="https://doi.org/10.1051/e3sconf/202343001162">https://doi.org/10.1051/e3sconf/202343001162</a>



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12	Dr.K.Raghavaiah	Enhanced Battery Life with Supercapacitor Applied to Renewable Energy Based Electric Vehicles (RES)	Journal of New Materials for Electrochemical Systems	July 2023	<a href="https://doi.org/10.14447/jnmes.v26i3.a04">https://doi.org/10.14447/jnmes.v26i3.a04</a>
13	Dr.K.Raghavaiah	Reliability Assessment of Power System based on Load Flow Analysis of the IEEE 57 Bus used in Micro Grid Applications (RES)	Wseas Transactions on Power Systems	December 2023	DOI: 10.37394/232016.2023.18.39
14	Dr.K.Raghavaiah	Design and Analysis of a Low Voltage Simulink Model (LVSM) of IEEE 57 Bus (PE in PS)	Wseas Transactions on Power Systems	March 2024	DOI: 10.37394/232016.2024.19.5