



# SRI VENKATESWARA COLLEGE OF ENGINEERING (Autonomous)

Karakambadi Road, Opposite LIC Training Centre, Tirupati – 517 507.  
Accredited by NBA (B.Tech – CSE, ECE, EEE, Mech., Civil and IT) & NAAC with 'A' Grade  
Approved by AICTE, New Delhi permanently affiliated to JNTUA, Ananthapuram.

## Department of Electrical & Electronics Engineering Consolidate Report

S. No.	Year	International / National Conferences
1	2022-2023	11
2	2021-2022	7
3	2020-2021	8
4	2019-2020	5

### International/National Conferences 2022-23

S. No	Name of the faculty	Title of the paper	Name of the conference publisher	Month & Year	Issue No/Volume No/ISBN
1	Arava Sudhakar & B Mahesh Kumar	Reducing Grid Dependency and Operating Cost of Micro Grids with Effective Coordination of RES and EV Storage	International Virtual Conference on Power Engineering Computing and Control (PECCON)	16 August 2022	DOI: 10.1109/PEC CON55017.2 022.9851035
2	Dr. P. SURESH	Design and Analysis of Hybrid PV-Battery System with ANFIS Control Strategy for Stand-Alone DC Applications	3 <sup>rd</sup> National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	October-2022	Presented
3	Dr. P. SURESH	ANN based Optimal Energy Management Strategy for a Multi Energy Sources	3 <sup>rd</sup> National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	October-2022	Presented
4	K Raju, Y Hari Krishna	Modeling And Simulation of A Solid State Transformer In Power Distribution	3 <sup>rd</sup> National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	October-2022	Presented
5	Dr. K Sudheer	IOT Based Smart Energy Optimizer For Electric Vehicles	3 <sup>rd</sup> National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	October-2022	Presented
6	Dr. V Lakshmi Devi	An overview of Low cost dry vacuum cleaner	3 <sup>rd</sup> National Level Conference on Recent	October-2022	Presented



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			Advances in Technology & Engineering (CRATE-2022)		
7	Dr. V Lakshmi Devi	An Overview of Smart Irrigation System Based on Node Mcu	3 <sup>rd</sup> National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	October-2022	Presented
8	Dr. Kumar K	Analysis of Integrated Boost-Cuk High Voltage Gain DC-DC Converter with RBFN MPPT for Solar PV Application	3 <sup>rd</sup> National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	October-2022	Presented
9	Dr. Kumar K	Development of smart cities using IOT applications	3 <sup>rd</sup> National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	October-2022	Presented
10	Dr. V Lakshmi Devi and Dr. Kumar K	An Insight to High Gain DC-DC Power Converters for Low Voltage PV System	3 <sup>rd</sup> International Conference on Communication, Computing, and Industry 4.0 (C2I4) Organised by CMRIT, Bengaluru	15th -16th December 2022	Presented
11	Dr. Kumar K and Dr. V Lakshmi Devi	Evaluation of the MPPT for the Wind Energy Conversion System's Performance using ANN and ANFIS	3 <sup>rd</sup> International Conference on Communication, Computing, and Industry 4.0 (C2I4) Organised by CMRIT, Bengaluru	15th -16th December 2022	Presented

## International/National Conferences 2021-22

S. No	Name of the faculty	Title of the paper	Name of the conference publisher	Month & Year	Issue No/Volume No/ISBN
1	K. Kumar, V. L. Devi, A. Prasad, R. Sarjila and J. B. Edward,	Interpretation of PMSG Based Wind System with High Gain Converters and MPPT Controllers	2021 Innovations in Power and Advanced Computing Technologies (i-PACT)	2022	pp. 1-5, doi: 10.1109/iPACT 52855.2021.9696493
2	R Sireesha	Islanding Arrangement For Grid On Sensing Bad Voltage/ Bad Frequency	Second National Virtual Conference On "Recent	13th -14th August 2021	<b>ISBN number: 978-93-90631-89-6</b>



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			Advances In Technology & Engineering		<a href="https://vemu.org/crate-2021">https://vemu.org/crate-2021</a>
3	Y V Krishna Reddy; P Vinod Kumar	Economic dispatch solutions with piecewise quadratic cost functions using Spotted hyena Optimizer	2021 IEEE Madras Section Conference (MASCON)	2022	Page(s):1 – 6; <b>DOI:</b> <a href="https://doi.org/10.1109/MASCON51689.2021.9563437">10.1109/MASCON51689.2021.9563437</a>
4	Dr. Kumar K, Dr. V Lakshmi Devi	Design of Solar Powered Smart Water Pump for Moisture Controller in Agriculture Sector	ICAMIS 2022 virtual conference to be held at MLR Institute of Technology, Hyderabad	18 <sup>th</sup> &19 <sup>th</sup> February 2022.	<a href="https://doi.org/10.1016/j.matpr.2022.04.036">https://doi.org/10.1016/j.matpr.2022.04.036</a>
5	Venkata SupuraVemulapati	Laboratory Prototype Model of a High Speed Railway Supply System for Performance Enhancement with Multi Module Converter in Indian Railways	Proceedings of the International Conference on Smart Data Intelligence (ICSMDI 2021)	2021	<a href="http://doi.org/10.11591/ijeecs.v25.i2.pp680-689">http://doi.org/10.11591/ijeecs.v25.i2.pp680-689</a>

### International/National Conferences 2020-21

S. No	Name of the faculty	Title of the paper	Name of the conference publisher	Month & Year	Issue No/Volume No/ISBN
1	Venkata SupuraVemulapati, K Raju	Railway Power Supply system using Modular Multilevel Converter with Droop Characteristics	4th International Conference on Electronics , Communication and Aerospace Technology (ICECA) IEEE Conference	November-2020, Coimbatore, India.	ISBN: 978-1-7281-6386-4 <b>DOI:</b> <a href="https://doi.org/10.1109/ICECA49313.2020.9297599">10.1109/ICECA49313.2020.9297599</a>
2	R Sireesha	Islanding arrangement for grid on sensing bad voltage/ bad frequency	Second National Virtual Conference on Recent Advances in Technology & Engineering (CRATE-2021)	13th -14th August 2021.	ISBN number: 978-93-90631-89-6 <a href="https://vemu.org/crate-2021">https://vemu.org/crate-2021</a>



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3	R. Sireesha, C. Srinivasa Rao, M. Vijaya Kumar	Graph theory based transformation of existing Distribution network into clusters of multiple micro-grids for reliability enhancement	Materials today Proceedings	2021	<a href="https://doi.org/10.1016/j.matpr.2021.07.067">https://doi.org/10.1016/j.matpr.2021.07.067</a>
4	Dr. V Lakshmi Devi	Design of Two Stage Solar Energy Conversion using ANFIS based Recurrent Neuro-control Algorithm	International Conference on Electrical Engineering and Control Technologies (ICEECT)	25th May, 2021.	<a href="http://asar.org.in/Conference/29451/ICEECT/#PUBLICATION">http://asar.org.in/Conference/29451/ICEECT/#PUBLICATION</a>
5	Venkata SupuraVemul apati	Railway Power Supply System using Modular Multilevel Converter with Droop Characteristics	Fourth International Conference on Electronics, Communication and Aerospace Technology (ICECA)	2020	<b>DOI:</b> <a href="https://doi.org/10.1109/ICECA49313.2020.9297599">10.1109/ICECA49313.2020.9297599</a>
6	Venkata SupuraVemul apati	Droop Characteristics based High Speed Traction Power Supply system using Modular Multilevel Converter	2020 4th International Conference on Trends in Electronics and Informatics (ICOEI)(48184)	2020 Publisher IEEE	<b>DOI:</b> <a href="https://doi.org/10.1109/ICOEI48184.2020.9142920">10.1109/ICOEI48184.2020.9142920</a>
7	Kasa Sudheer, K Hemanth Kumar, N Puneethkumar, K VishnuVardhan Reddy	IoT based intelligent smart controller for electric vehicles	2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS)	Pages 539-544 Publisher IEEE	<b>DOI:</b> <a href="https://doi.org/10.1109/ICACCS48705.2020.9074306">10.1109/ICACCS48705.2020.9074306</a>
8	Babu, C., Kumar, D. D., Kumar, K., Reddy, K. J., & Sudha, R.	Power Monitoring and Control System for Medium Voltage Smart Grid Using IoT	IOP Conference Series: Materials Science and Engineering	2020, August	Vol. 906, No. 1, p. 012007). <b>DOI:</b> <a href="https://doi.org/10.1088/1757-899X/906/1/012007">10.1088/1757-899X/906/1/012007</a>



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## International / National Conferences 2019-20

S. No	Name of the faculty	Title of the paper	Name of the conference publisher	Month & Year	Issue No/Volume No/ISBN
1	Dr.K.Sudheer	IoT based Intelligent smart Controller for Electrical Vehicles	2020 6 <sup>th</sup> International conference on Advanced Computing & Communication Systems (ICACCS)	6-7March 2020. Coimbatore, India,	<b>INSPEC Accession Number:</b> 19557151 DOI: <a href="https://doi.org/10.1109/ICACCS48705.2020.9074306">10.1109/ICACCS48705.2020.9074306</a>
2	Dr.V.Lakshmi Devi	Grid Current Harmonic Compensation for Two Shunt Connected Converters for Synchronized Supply Voltage	5th International Conference on recent trends in computing	17 <sup>th</sup> & 18 th August, SRM IST Ghaziabad	ISSN:2581-4575 <a href="https://ijrdst.org/public/uploads/paper/161_approvedpaper.pdf">https://ijrdst.org/public/uploads/paper/161_approvedpaper.pdf</a>
3	Dr.V.Lakshmi Devi	Internet of Things communicating with Electrical Smart Grid	International conference on research in applied engineering sciences, Computer and Communication technologies	24-25 <sup>th</sup> July 2019. BVRIT, Narasapur	ISSN:2456-5083
4	Venkata Supura Vemulapati	Droop Characteristics based High Speed Traction Power Supply system using Modular Multilevel Converter	4th International Conference on Trends in Electronics and Informatics (ICOEI) IEEE Conference	15-17 June 2020 Coimbatore, India	<b>INSPEC Accession Number:</b> 19789267 DOI: <a href="https://doi.org/10.1109/ICOEI48184.2020.9142920">10.1109/ICOEI48184.2020.9142920</a>
5	D Dinesh Kumar, ChallaBabu, K Jyotheeswara Reddy, K Kumar and N K Kumar	An improved P&O MPPT control algorithm for increasing power extraction efficiency of solar PV module	IOP Conference Series: Materials Science and Engineering, at Vellore, India,	2019	Vol. 623, pp. 1-8. <b>DOI</b> 10.1088/1757-899X/623/1/012020