



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, Ananthapuramu.

Department of Electrical and Electronics Engineering

Conference Publications A.Y 2024-2025

S. No	Name of the faculty	Title of the paper	Name of the conference publisher	Month & Year	Issue No/ Volume No/ ISBN
1	Dr. Shaik Rafi Kiran	Improved Flower Pollination Algorithm Based Optimum Design of Reinforced Concrete Retaining Walls	2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS)	05-02-2025	https://doi.org/10.1109/ICII-CS63763.2024.10859574
2	Dr. Shaik Rafi Kiran	Improved Multiple Linear Regression for Forecasting Water Quality of Vegetable and Fruit Wastewater	2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS)	05-02-2025	https://doi.org/10.1109/ICII-CS63763.2024.10860082
3	Dr. Shaik Rafi Kiran	Predicting Earthquake Damage and Rehabilitation Intervention Using Adaptive Fuzzy C-Means-Based Support Vector Machine	2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS)	05-02-2025	https://doi.org/10.1109/ICII-CS63763.2024.10859465
4	Dr. Shaik Rafi Kiran	Surveillance and Intruder Detection using Pyramid Vision Transformer You Only Look Once Enhanced with Gradient Weighted Class Activation Mapping	IEEE 4th International Conference on Mobile Networks and Wireless Communications (ICMNBC-2024)	20-02-2025	https://doi.org/10.1109/ICMNBC63764.2024.10871972
5	Dr. Shaik Rafi Kiran	Shuffle Attention Mechanism Based Bi-Directional Long Short-Term Memory for Detecting Neurodegenerative Disorders	IEEE 4th International Conference on Mobile Networks and Wireless Communications (ICMNBC-2024)	20-02-2025	https://doi.org/10.1109/ICMNBC63764.2024.10872280
6	Dr. Shaik Rafi Kiran	Blood Pressure Monitoring and Hypertension Prediction using Dynamic Opposite Learning Based Prairie Dog Optimization Algorithm	IEEE 4th International Conference on Mobile Networks and Wireless Communications (ICMNBC-2024)	20-02-2025	https://doi.org/10.1109/ICMNBC63764.2024.10872294
7	Dr. Shaik Rafi Kiran	Modeling of a Fuel Cell with Boost Converter Using Artificial Neural Network	2025 International Conference on Visual Analytics and Data Visualization (ICVADV)	22-4-2025	DOI: 10.1109/ICVADV63329.2025
8	Dr. Shaik Rafi Kiran	Development of VSS-FOCV, and IC MPPT Controllers for PEMFC Systems	2025 International Conference on Visual Analytics and Data Visualization (ICVADV)	22-4-2025	DOI: 10.1109/ICVADV63329.2025



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9	Dr. Shaik Rafi Kiran	A novel analysis of advanced solar diode models at different solar operational conditions	4th IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2025)	(25th & 26th April, 2025	IEEE Conference
10	Dr. Shaik Rafi Kiran	Development of Polymer Fuel cell system with improved flower pollination optimization MPPT Controller	4th IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2025)	(25th & 26th April, 2025	IEEE Conference
11	Dr P Suresh	Meteorological Parameter-Driven Solar Power Forecasting Using Deep Learning Ensemble Methods	SPRINGER CONFERENCE	08-03-2025	Conference
12	K Yamuna	Smart-grid optimized bidirectional EV charging: A hybrid metaheuristic approach	ICIDeA 2025	22-02-2025	Conference
13	Dr K Sudheer	Enhancing Power Quality in Solar Integrated Smart Grids for EV Systemsthrough Smart Controller	ICIDeA 2025	22-02-2025	Conference
14	Dr K Sudheer	Sustainable Oceans	ACCESS 2025	22-02-2025	Conference
15	Dr P Suresh	Machine Learning Approaches for Process Automation: A Case Study Using Q-Learning and Supervised Learning	IEEE	20-01-2025	Conference
16	Dr. B. Venkatesh Reddy	Advanced Control Strategies for Distributed Generation in Microgrids: Enhancing Efficiency, Reliability, and Renewable Energy Integration	2nd International Conference on Intelligent and Sustainable Power and Energy Systems	13 & 14 Dec, 2024	Conference
17	K. Raju	Optimizing Solar Panel Cooling: A Smart Approach using Arduino and IoT Integration	E3S Web of Conferences	14-11-2024	Conference
18	P.Suneetha	A Novel Modified Shuffled Frog Leaping Algorithm (MSFLA) MPPT Controller for Photovoltaic Systems	2024 Third International Conference on Trends in Electrical, Electronics, and Computer Engineering (TEECCON)	07-11-2024 and 08-11-2024	Conference



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19	Dr. B. Venkatesh Reddy	A Novel Approach to Smart Distribution Voltage Regulation Using adaptive Fuzzy Gain Scheduling Method for Micro Grids	International Conference on Sustainable Power and Energy 2024	28 and 29 Nov 2024	IEEE Conference
20	G. Dilli Babu	Demand Response and Dynamic Pricing Simulation in a 4-Bus Power System	<u>2024 IEEE Pune Section International Conference (PuneCon)</u>	2024	IEEE Conference
21	K.Prathibha	smart security implemented DC-DC high gain converter for photovoltaic application	ICCTSM	21-06-2024	Conference
22	M.Jyothsnadevi	Solar power based electric vehicle charger with improvement power quality	ICCTSM	21-06-2024	Conference
23	V. Lakshmi Devi and K. Kumar	Analysis of Hybrid PV and FC System with Boost Converter Using Intelligent MPPT Controller	2024 Third International Conference on Trends in Electrical, Electronics, and Computer Engineering (TEECCON), <i>Bangalore, India</i>	2024, pp. 101-106	doi: 10.1109/TEECCON64024.2024.10939555.
24	K. Kumar, V. Lakshmi Devi	Enhancing PV System Performance with Irradiance-Responsive Converter Optimization	2024 Third International Conference on Trends in Electrical, Electronics, and Computer Engineering (TEECCON)	2024, pp. 107-111	doi: 10.1109/TEECCON64024.2024.10940006
25	V. Lakshmi Devi and K. Kumar	Performance Analysis of 250kW Grid-Connected Photovoltaic System	2024 Third International Conference on Trends in Electrical, Electronics, and Computer Engineering (TEECCON)	2024, pp. 112-116	doi: 10.1109/TEECCON64024.2024.10939984



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1	Raju Kuruva	Wavelet Transform based Statistical Feature Extraction of Power Quality Disturbances	AIP Publishing	12-09-2023	https://doi.org/10.1063/5.0148333
2	Dr. Kumar K Dr. V Lakshmi Devi M.Jyothsnadevi Dr. JA Baskar	Performance Analysis of PV System with DC-DC Converter under Different Solar Irradiations Conditions.	2023 Second International Conference on Trends in Electrical, Electronics, and Computer Engineering (TEECCON), REVA UNIVERSITY, Bengaluru.	23-Aug-23	10.1109/TEEC CON59234.2023.10335825
3	Dr. V Lakshmi Devi Dr. Kumar K Dr. Shail Rafi Kiran NM Girish Kumar	Analysis of Energy Management System in Micro Grid Operations, Load Support, and Control Hierarchy	2023 Second International Conference on Trends in Electrical, Electronics, and Computer Engineering (TEECCON)	23-24 AUGUST 2023	10.1109/TEEC CON59234.2023.10335859
4	Dr. Shaik Rafi Kiran	Performance Analysis of Satellite Image Classification Using Deep Learning Neural Network	ICSISCET 2022 proceedings (International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology)	24-09-2023	https://link.springer.com/chapter/10.1007/978-981-99-1431-9_3



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1	Arava Sudhakar	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-Aug-22	DOI: 10.1109/PECCON 55017.2022.9851035
2	K Yamuna, K Sudheer, P Suresh and YV Krishna Reddy	Ant Lion optimization based AGC in deregulated electrical system	ICRP-2023	March 2023	Published
3	Dr. P. Suresh	Design and Analysis of Hybrid PV-Battery System with ANFIS Control Strategy for Stand-Alone DC Applications	3 rd National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	Oct-22	Published
4	Dr. V Lakshmi Devi, Dr. Kumar K	A renewable energy-based EV charging station model using MATLAB Simulink	3 rd National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	Oct-22	Published
5	Dr. P. Suresh	ANN-based Optimal Energy Management Strategy for a Multi-Source System	3 rd National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	Oct-22	Published
6	K Raju, Y Hari Krishna	Modeling And Simulation of A Solid State Transformer In Power Distribution	3 rd National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	Oct-22	Published
7	Dr. K Sudheer	IOT Based Smart Energy Optimizer For Electric Vehicles	3 rd National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	Oct-22	Published
8	Dr. V Lakshmi Devi	An overview of Low cost dry vacuum cleaner	3 rd National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	Oct-22	Published
9	Dr. V Lakshmi Devi	An Overview of Smart Irrigation System Based on Node Mcu	3 rd National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	Oct-22	Published



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10	Dr. Kumar K	Analysis of Integrated Boost-Cuk High Voltage Gain DC-DC Converter with RBFN MPPT for Solar PV Application	3 rd National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	Oct-22	Published
11	Dr. Kumar K	Development of smart cities using IOT applications	3 rd National Level Conference on Recent Advances in Technology & Engineering (CRATE-2022)	Oct-22	Published
12	Dr. V Lakshmi Devi and Dr. Kumar K	An Insight to High Gain DC-DC Power Converters for Low Voltage PV System	3 rd International Conference on Communication, Computing, and Industry 4.0 (C2I4) Organized by CMRIT, Bengaluru	15th -16th December 2022	Published
13	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 rd International Conference on Communication, Computing, and Industry 4.0 (C2I4) Organised by CMRIT, Bengaluru	15th -16th December 2022	Published
14	Dr. Y V Krishna Reddy	Solving Economic Load Dispatch Problem with Mountaineering Team-Based Optimization Technique	2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	05-07 April 2023	10.1109/ICEEICT 56924.2023.10157715



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1	K. Kumar, V. Lakshmi Devi	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/iPACT52855.2021.9696493
2	R Sireesha	Islanding Arrangement For Grid On Sensing Bad Voltage/ Bad Frequency	Second National Virtual Conference On "Recent Advances In Technology & Engineering	Aug 2021	ISBN number: 978-93-90631-89-6 https://vemu.org/crate-2021
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; DOI: 10.1109/MASCON51689.2021.9563437
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	Feb 2022	https://doi.org/10.1016/j.matpr.2022.04.036
5	VenkatasupuraVemulapati	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	http://doi.org/10.11591/ijeecs.v25.i2.pp680-689
6	Y V Krishna Reddy	Investigation of Equilibrium Optimiser to solve economic dispatch with practical constraints	2 nd National Level Conference on Recent Advances in Technology & Engineering (CRATE-2021)	Oct 2021	Published