

**V R Siddhartha Engineering College: Vijayawada (Autonomous)**

**Department of Electrical and Electronics Engineering**

**Student Publications for the Academic Year: 2022-23**

**International Journals (1)**

**UG: 1 UGC: 01 Q4: 04**

<b>Sl. No.</b>	<b>Name of the Faculty/ Students</b>	<b>Name of the Paper</b>	<b>Name of the Journal</b>	<b>Volume No., Issue etc.</b>	<b>SCI/ SCIE/ ESCI/ SCOPUS/ UGC</b>	<b>Q-Index</b>	<b>UG/PG</b>
<b>1</b>	<b>Ravindranath Vankina, CH. S. Harsha Vardhan, Jyoshitha Yannam, V. V. N. P. Sowmya Mounika, T. Anil Kumar, L. Rakesh</b>	Smart Eye Glasses for Visually Impaired People	Industrial Engineering Journal	vol. 52, no. 4, April 2023	UGC Approved	Q4	UG

**International Conferences (34)**

**UG: 30 PG: 04**

**SCOPUS: 32**

**IEEE Conference: 20**

<b>Sl. No.</b>	<b>Name of the Faculty/ Students</b>	<b>Name of the Paper</b>	<b>Name of the Conference</b>	<b>DOI</b>	<b>SCOPUS</b>	<b>IEEE/ Others</b>	<b>UG/ PG</b>
<b>1</b>	<b>Cherukuri syam sundar, Gummadi Srinivasa Rao</b>	Optimal scheduling of multi-objective hydro-thermal-wind using NSGSA technique	International Conference on Innovative Product Design and Intelligent Manufacturing System (ICIPDMS-2022), Organized by NIT Rourkela	10.1007/978-981-99-1665-8_53	SCOPUS	Springer	PG
<b>2</b>	<b>Bondalapati Devasahayam and B.Venkateswara Rao</b>	Multi-Objective Optimal Power Flow using Krill Herd Algorithm	International Conference on Innovative Product Design and Intelligent Manufacturing System (ICIPDMS-2022), NIT Rourkela	10.1007/978-981-97-6732-8_37	SCOPUS	Springer	PG

3	K. Bhaskara Sandhya, S N V S K Chaitanya, B. Venkateswara Rao, R. Ashok Bakkiyaraj	Optimal Reactive Power Dispatch Using Improved Grey Wolf Algorithm	International Conference on Innovative Product Design and Intelligent Manufacturing System (ICIPDMS-2022), NIT Rourkela	10.1007/978-981-97-6732-8_38	SCOPUS	Springer	PG
4	K Dhananjay Rao, M Satyadev, A Dasapureddy, K Nagamalleswara Rao	Machine Learning Based Cardiovascular Disease Prediction	International Conference on Computer Power and Communication (ICCP-2022), Sairam Institute of Technology, Chennai	10.1109/ICCP55978.2022.10072072	SCOPUS	IEEE	UG
5	D Yamini, Gummadi Srinivasarao, M Tejaswi, M Gowtham Vishal and M Vennela	Enhancement of Solar Panel Efficiency	3rd International Conference on Innovations in Energy Management and Renewable Resources (IEMRE 2023), Kolkata	10.1007/978-981-97-6390-0_24	SCOPUS	Springer	UG
6	N. Nagoju, E. B. Chakravarthi and R. Jayaraman	Enhanced Electronic Voting Machine Performance with an E-Voting Website	2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA), Coimbatore, India, 2022,	10.1109/ICIRCA54612.2022.9985677	SCOPUS	IEEE	UG
7	K. Dhananjay Rao, L.Sucharita, A.Daveed, K.Yuva sai Srinivas and T.Vineela	Lithium Ion Battery Modeling and State of Charge Estimation using Kalman Filter based Observer	INOCON-2023, Bangaluru	10.1109/INOCO N57975.2023.10101333	SCOPUS	IEEE	UG
8	Rasheed Ahamed Md, Subhojit Dawn, Bhargavi E, Jayanth K and Saketh Bhargav R	System Profit Valuation of a Wind Incorporated Competitive Power System	3rd IEMRE 2023, Institute of Engineering & Management, Kolkata, India	10.1007/978-981-97-6390-0_15	SCOPUS	Springer	UG
9	Manasa Vemula, Subhojit Dawn, Akshitha Machagiri, Sai Lalitha Potipireddi and Baby Rukmini Bobbili	System Profit Assessment of a Solar Integrated Deregulated Power System	International Conference on Power, Instrumentation, Energy, and Control (PIECON2023), Aligarh Muslim University, Aligarh, India	10.1109/PIECON56912.2023.10085889	SCOPUS	IEEE	UG
10	Sai Rama Krishna Parimi, Subhojit Dawn, Hema Karri, Ajay Polavarapu and Rahul Yakasiri	A Comparative Study of CSP to Produce Electricity Even at Night	2nd International Conference on Sustainable Computing and Data Communication Systems ICSCDS-2023, Shree Venkateshwara Hi-Tech Engineering College Erode, India	10.1109/ICSCDS56580.2023.10104865	SCOPUS	IEEE	UG
11	Kandikonda S V S K Devi Prakash, Veera Reddy Aduru, Reddy Harsha Vardhan Manikanta, Ganta	Arduino-Based Railway line tracking system for Mitigating Animal Accidents	7th International Conference on Computing Methodologies and Communication (ICCMC 2023), Surya Engineering College, Tamil nadu, India	10.1109/ICCMC56507.2023.10083688	SCOPUS	IEEE	UG

	Navya Sai Sri and Shaik Afthab						
12	V.Kalandhar, <b>A. Veera Reddy</b> , G.Y. Tejasree, G. Udith and R. Gowtham Charan	Analysis Of Hybrid Inverter With Solar Battery Charging System For Implementation	7th International Conference on Computing Methodologies and Communication (ICCMC 2023), Surya Engineering College, Tamil nadu, India	10.1109/ICCMC56507.2023.10084245	SCOPUS	IEEE	UG
13	SivaRam Santhan. P, Pujitha. S, <b>Vamsi Krishna . N</b> , Manideepak Kumar. B and Mallika. M	Smart Energy Meter Monitoring Using RS485	7th International Conference on Computing Methodologies and Communication (ICCMC 2023) organized by Surya Engineering College, Erode, Tamil Nadu, India	10.1109/ICCMC56507.2023.10083637	SCOPUS	IEEE	UG
14	<b>Suneel Tummupudi</b> , Thabassum Mohammed,Ravi Kiran Peetala,Sitaravamma Chilla and Prabhunandan Paul Bollavarapu	Solar-Powered Wireless Charging Station for Electric Vehicles	IEEE International Conference on Power Instrumentation Energy and Control (PIECON) 2023, Muslim Aligarh University	10.1109/PIECON56912.2023.10085752	SCOPUS	IEEE	UG
15	Rajitha Rayala, <b>Vimala Jonnalagadda</b> , Venkata Sai Sriya Vempati, Geetha Sravani Tumuluri and Jyothisri Tedla	Colour Detection And Sorting Of Objects Using IoT	2022 Second International Conference on Next Generation Intelligent Systems, (ICNGIS), Rajiv Gandhi Institute of Technology, Kottayam, Kerala, India	10.1109/ICNGIS54955.2022.10079835	SCOPUS	IEEE	UG
16	S. Y. Vamsi Kumar, M. Mukku, <b>V. K. Jonnalagadda</b> , A. Gudidh, M. Mukku and P. Kumar	Speed Control Analysis of an Electrical Vehicle by Using Fuzzy- PID and ANFIS Controllers	2022 3rd International Conference on Communication, Computing and Industry 4.0 (C2I4), Bangalore, India, 2022	10.1109/C2I456876.2022.10051235	SCOPUS	IEEE	UG
17	<b>Lakshmi Kumari SVR</b> , Himaja Rakhi Ch, Sathyanarayana PLV, Dileep B, and Abhinav A	Object detection and warning System to avoid Forward Collision in Adverse Whether	International Conference on Electrical, Electronics, Information And Communication Technologies (ICEEICT 2023)	-	SCOPUS	IEEE	UG
18	P. Sai Kiran, <b>Venkateswara Rao B</b> , G. Satyamohan Sarveswar, P. Manikanta	IoT-based Monitoring and Controlling of Substation Parameters	2nd International Conference on Renewable Power (ICRP-2023), MECW, Haryana	10.1007/978-981-99-6749-0_67	SCOPUS	Springer	UG
19	Guttavilli Harini, <b>P. Venkatesh</b>	Optimal reactive power dispatch using hybrid whale and sine cosine optimization algorithm	International Conference on Innovations in engineering and technology (ICIET-2022), JNTUH, Hyderabad	10.1063/5.0193841	SCOPUS	-	PG
20	<b>P. Venkatesh, D Vimala</b>	Frequency regulation in	International Conference on emerging	-	SCOPUS	Elsevier	UG

		deregulated power system using robust firefly swarm hybrid optimization	trends in science, engineering and technology (ICESET-2023)				
21	Chaitanya Priya Devarapu, <b>M.L.N Vital</b> , Kalyan Pasumarthi Chinmaya, Koteswararao Lanke, Praneetha Kade	Battery Management System Using Cell Charge Balancing Topology In Electric Vehicle	6th International Conference On Inventive Computation Technologies, ICICT-2023, Lalitpur Nepal	10.1109/ICICT57646.2023.10134090	SCOPUS	-	UG
22	Nanadakuditi Bhavana, <b>R Madhusudhana Rao</b>	High Security Alert System for Industrial Atmospheric Parameters	IEEE ICCMC-2023, India	10.1109/ICCMC56507.2023.10083512	SCOPUS	IEEE	UG
23	Sai Sirisha Pulleti, <b>Hari Vamsi Valluru</b> , Pavan Kumar Putta, Sowmya Inturi, Hashar OC, Manasa Vanajakshi Jaliparthi	Arduino Based Voice Controlled Wheelchair for Physically Challenged Persons	9th International Conference on Electrical energy Systems, ICEES 2023	10.1109/ICEES57979.2023.10110267	SCOPUS	IEEE	UG
24	Ejjada Manoj Kumar, Abdul Zahoor, <b>V. Ravindranadh Chowdary</b> , Ch. Sri Lakshmi Sruthi, Kandala Vaishnavi, ,	Smart Wearable Device To Prevent Accidents Caused By Medical Emergencies	7th International Conference on Computing Methodologies and Communication (ICCMC 2023)	10.1109/ICCMC56507.2023.10084266	SCOPUS	IEEE	UG
25	Madduri Tarun, <b>Vimala Kumari Jonnalagadda</b> , Ayinapuru Jaswitha Sai, Kodali Nivas, Prattipati Vamsi Mohan	Heart Stroke Prediction Using Different Machine Learning Algorithms	World Conference on Artificial Intelligence: Advances and Applications (WCAIAA 2023), Sir Padampt Singhania University, Udaipur, India	10.1007/978-981-99-5881-8_23	SCOPUS	-	UG
26	<b>Indira D</b> , Aare Anand, T Thanmai Reethika, H Sai Niharika	Integration of Renewable Energy Resources to EV Using Sensor less Control and Regenerative Braking	International Conference on Emerging Trends in Engineering, Advances in Engineering Research of Atlantis press, Springer, 2023	10.2991/978-94-6463-252-1_63	SCOPUS	Springer	UG
27	Ch. Sunil Kumar, T. Sai Sowmya, <b>Subhojit Dawn</b> , Sk. Mounib Baig, D. Anusha	Impact Assessment of Solar PV in Deregulated Power Market	2022 IEEE Students Conference on Engineering and Systems (SCES), Prayagraj, India	10.1109/SCES55490.2022.9887785	SCOPUS	IEEE	UG
28	Doddigalla Anusha, <b>Subhojit Dawn</b> , Mandepudi Bhargav,	Economic Enhancement of Wind Farm Integration in Deregulated Power System	2022 IEEE Students Conference on Engineering and Systems (SCES), Prayagraj, India	10.1109/SCES55490.2022.9887726	SCOPUS	IEEE	UG

	Ganta Vimal Sharon, Telluri Sai Sowmya, Chintarala Sunil Kumar						
29	Manasa Vemula, <b>Subhojit Dawn</b> , Akshitha Machagiri, Sai Lalitha Potipireddi and Baby Rukmini Bobbili	Fault Detection in Railway Track using GSM And GPS System	2023 7th International Conference on Trends in Electronics and Informatics (ICOEI), Tirunelveli, India	10.1109/ICOEI56765.2023.10125887	SCOPUS	IEEE	UG
30	<b>T. Suneel</b> , Som Sundar, Siva Narayana, Sri naga Tarun, Murali	Deep Learning Based Weed Detection and Elimination in Agriculture	6th International Conference On Inventive Computation Technologies, ICICT-2023, Lalitpur Nepal	10.1109/ICICT57646.2023.10134186	SCOPUS	-	UG
31	P. Sai Kiran, <b>Venkateswara Rao B</b> , G. Satyamohan Sarveswar, P. Manikanta	IoT based Transmission line Fault Identification and Protection System	International Conference on Innovations in the Power Sector towards Sustainable Development Goals (iPSSDG)	-	-	-	UG
32	Ch Rajasekhar, <b>Venkateswara Rao B</b> , G Jagadeesh Harsha, V Pavan Kumar	Development of a Hybrid Renewable Energy Scheme for an Off-Grid System on the Island using Homer Software	International Conference on Innovations in the Power Sector towards Sustainable Development Goals (iPSSDG)	-	-	-	UG
33	A. Pavuluri, <b>S. N. V. S. K. Chaitanya</b> , V. Nalathoti, V. Jangam and N. Adimulam	Portable Digital Oscilloscope using Arduino	2023 International Conference on Inventive Computation Technologies (ICICT), Lalitpur, Nepal	10.1109/ICICT57646.2023.10134297	SCOPUS	IEEE	UG
34	G. Vineeth, J. L. Aishwarya, B. Sowmya, <b>B. S. Rani</b> , M. Narasimha	Power Quality Enhancement in Grid-Connected Renewable Energy Sources Using MC-UPQC	2023 International Conference on Power, Instrumentation, Energy and Control (PIECON), Aligarh, India	10.1109/PIECON56912.2023.10085824	SCOPUS	IEEE	UG

### Book Chapters (7)

**SCOPUS: 7 UG: 06 PG: 01**

Sl. No.	Name of the Faculty/ Students	Name of the Paper	Name of the Book	DOI	SCOPUS	IEEE/ Springer	UG/ PG
1	Varma, G.K., <b>Rao, B.V.</b>	Multi-objective Optimal Power Flow Using Whale Optimization	In: Sengodan T., Murugappan M., Misra S. (eds) Advances in Electrical and Computer Technologies. Lecture Notes	10.1007/978-981-19-1111-8_66	SCOPUS	Springer	PG

		Algorithm Consists of Static VAR Compensator	in Electrical Engineering, vol. 881. Springer, Singapore, 2022				
2	V Pavan Kumar, <b>Venkateswara Rao B, G</b> Jagadeesh Harsha, MD John Saida, A.B.V Mohana Rao	Arduino-based Unmanned Vehicle to provide assistance under Emergency conditions	Recent Trends in Product Design and Intelligent Manufacturing Systems, Lecture Notes in Mechanical Engineering, Springer, Singapore, pp 163–169, 2022	10.1007/978-981-19-4606-6_17	SCOPUS	Springer	UG
3	O. Satya, <b>GummadiSrinivasa Rao, Venkateswararao B</b>	Firefly Algorithm established Economic Load Dispatch with loss coefficients	Recent Trends in Product Design and Intelligent Manufacturing Systems, Lecture Notes in Mechanical Engineering, Springer, Singapore, pp 775–785, 2022	10.1007/978-981-19-4606-6_71	SCOPUS	Springer	UG
4	Rani, I.L., <b>Dhananjay Rao, K.</b> , Preetham, P., Chaitanya, G.	Design of Lithium-Ion Battery Thermal Management System for Vehicular Applications	In: Gupta, O.H., Singh, S.N., Malik, O.P. (eds) Recent advances in Power Systems. Lecture Notes in Electrical Engineering, vol. 960, Springer	10.1007/978-981-19-6605-7_8	SCOPUS	Springer	UG
5	Ajaybabu, R. Naga, <b>K. Dhananjay Rao, B.</b> Krishna Kanth, K. Madhuchandan, and K. Jayanth	Lithium Iron Phosphate Battery and Ultracapacitor Based Hybrid Storage System to Enhance Overall System Performance of Electric Vehicle	Renewable Resources and Energy Management, pp. 472-479. CRC Press, 2023	9781003361312	SCOPUS	T&F	UG
6	T. Sai Sowmya, <b>Subhojit Dawn</b> , Ch. Sunil Kumar, Sk. Mounib Baig, R. Varaprasad	Wireless Solar Power Transmission System	Renewable Resources and Energy Management, CRC Press, 2023	-	SCOPUS	T&F	UG
7	Doddigalla Anusha, Mandepudi Bhargav, <b>Subhojit Dawn</b> , Paladi Venkata Varshini, Ganta Vimal Sharon, Puli Mani Veera Sal	Gesture Controlled Home Automation Using Python OpenCV	Renewable Resources and Energy Management, CRC Press, 2023	-	SCOPUS	T&F	UG