

V R Siddhartha Engineering College: Vijayawada (Autonomous)

Department of Electrical and Electronics Engineering

Faculty Publications for the Academic Year: 2022-23

International Journals (29)

SCI/SCIE: 19, SCOPUS: 09, UGC: 01

Q1: 10 Q2: 09 Q3: 06 Q4: 04

Sl. No.	Name of the Faculty/ Students	Name of the Paper	Name of the Journal	Volume No., Issue etc.	SCI/ SCIE/ ESCI/ SCOPUS/ UGC	Q-Index	UG /PG
1	Saha A, Dash P, Babu NR, Chiranjeevi T, Venkateswararao B , Knypiński Ł	Impact of Spotted Hyena Optimized Cascade Controller in Load Frequency Control of Wave-Solar-Double Compensated Capacitive Energy Storage Based Interconnected Power System	Energies	vol. 15, no. 19, 2022. DOI: 10.3390/en15196959	SCIE	Q2	-
2	Ramesh Devarapalli, B. Venkateswara Rao , Ahmed Al-Durra	Optimal parameter assessment of Solar Photovoltaic module equivalent circuit using a novel enhanced hybrid GWO-SCA algorithm	Energy Reports	vol. 8, pp. 12282-12301, 2022. DOI: 10.1016/j.egy.2022.09.069	SCIE	Q1	-
3	Bathina, V. , Devarapalli, R. & García Márquez, F	Hybrid Approach with Combining Cuckoo-Search and Grey-Wolf Optimizer for Solving Optimal Power Flow Problems	Journal of Electrical Engineering & Technology	Vol. 18, pp. 1637–1653, 2023. DOI: 10.1007/s42835-022-01301-1	SCIE	Q3	-
4	Chaitanya, S.N.V.S.K. , Bakkiyaraj, R.A. & Rao, B.V.	Multi objective optimal reactive power dispatch for enrichment of power system behavior using modified ant lion optimizer	International Journal of System Assurance Engineering and	Vol. 14, no. 1, pp. 133–142, 2023. DOI: 10.1007/s13198-022-01828-6	ESCI & Scopus	Q2	-

			Management				
5	J B Basu, Subhojit Dawn , P K Saha, M R Chakraborty, T S Ustun	A Comparative Study on System Profit Maximization of a Renewable Combined Deregulated Power System	Electronics	vol. 11, no. 18, 2022. DOI: 10.3390/electronics11182857	SCIE	Q2	-
6	M R Chakraborty, Subhojit Dawn , P K Saha, J B Basu, T S Ustun	A Comparative Review on Energy Storage Systems and Their Application in Deregulated Systems	Batteries	vol. 8, no. 9, 2022. DOI: 10.3390/batteries8090124	SCIE	Q1	-
7	Chappa A, K Dhananjay Rao , Ustun TS.	Development of an Enhanced Selective Harmonic Elimination for a Single-Phase Multilevel Inverter with Staircase Modulation	Electronics	vol. 11, no. 23, 2022. DOI: 10.3390/electronics11233902	SCIE	Q2	-
8	J B Basu, Subhojit Dawn , P K Saha, M R Chakraborty, T S Ustun	Economic Enhancement of Wind–Thermal–Hydro System Considering Imbalance Cost in Deregulated Power Market	Sustainability	vol. 14, no. 23, November 2022. DOI: 10.3390/su142315604	SCIE	Q1	-
9	M R Chakraborty, Subhojit Dawn , P K Saha, J B Basu, T S Ustun	System Profit Improvement of a Thermal–Wind–CAES Hybrid System Considering Imbalance Cost in the Electricity Market	Energies	vol. 15, no. 24, December 2022. DOI: 10.3390/en15249457	SCIE	Q1	-
10	T. Papi Naidu, G. Balasubramanian and B Venkateswararao	Optimal Power Flow Control Optimization Problem Incorporating Conventional and Renewable Generation Sources: A Review	International Journal of Ambient Energy	Vol. 44, no. 1, pp. 1119–1150, Dec. 2022. DOI: 10.1080/01430750.2022.2163287	ESCI & Scopus	Q3	-
11	Vijaychandra J., Prasad B.R.V., Darapureddi V.K., Rao B.V. and Knypiński Ł.	A Review of Distribution System State Estimation Methods and Their Applications in Power Systems	Electronics	vol. 12, no. 3, January 2023. DOI: 10.3390/electronics12030603	SCIE	Q2	-
12	Bathina Venkateswararao , Ramesh Devarapalli, Łukasz Knypiński, Sankara Rao Gowri and Fausto Pedro García	Shunt capacitor placement under n-1 contingency condition: Realization with Mi Power package	Przegląd Elektrotechniczny	vol. 99, no. 3, pp. 164-171, March 2023. DOI: 10.15199/48.2023.03.29	ESCI & Scopus	Q4	-

	Márquez						
13	M R Chakraborty, Subhojit Dawn , P K Saha, J B Basu, T S Ustun	System Economy Improvement and Risk Shortening by Fuel Cell-UPFC Placement in a Wind-Combined System	Energies	vol. 16, no. 4, February 2023. DOI: 10.3390/en16041621	SCIE	Q1	-
14	Bala Saibabu Bommidi, Baddu Naik Bhukya, Swarupa Rani Bondalapati , Hemanth Sai Madupu	Congestion Management in Power Transmission Lines with Advanced Control Using Innovative Algorithm	WSEAS Transactions on Power Systems	vol. 17, pp. 354-363, November 2022. DOI: 10.37394/232016.2022.17.35	Scopus	Q3	-
15	K. Srilakshmi, S. P. Chander Rao, G. Deepika, B. V. Sai Thrinath, Alapati Ramadevi , S. Gadameddi, K. D. Kumar, A. Palanivelu	Performance Analysis of Artificial Intelligence Controller for PV and Battery Connected UPQC	International Journal Of Renewable Energy Research	vol. 13, no. 1, March 2023. DOI: 10.20508/ijrer.v13i1.13523.g8672	ESCI & Scopus	Q3	-
16	Alapati Ramadevi , Koganti Srilakshmi, Praveen Kumar Balachandran, Ilhami Colak, C. Dhanamjayulu, and Baseem Khan	Optimal Design and Performance Investigation of Artificial Neural Network Controller for Solar- and Battery-Connected Unified Power Quality Conditioner	International Journal of Energy Research	vol. 2023, April 2023. DOI: 10.1155/2023/3355124	SCIE	Q1	-
17	Baddu Naik Bhukya, Padmanabha Raju Chinda, Srinivasa Rao Rayapudi, and Swarupa Rani Bondalapati	Advanced Control with an Innovative Optimization Algorithm for Congestion Management in Power Transmission Networks	Engineering Letters	vol. 31, no.1, pp. 194-205, 2023	Scopus	Q2	-
18	Lukasz Knypinski, A. V. Reddy , Bathina Venkateswararao , Ramesh Devarapalli	Optimal design of brushless DC motor for electro mobility propulsion applications using Taguchi method	Journal Of Electrical Engineering	vol. 74, no. 2, pp. 123-128, 2023. DOI: 10.2478/jee-2023-0016	SCIE	Q3	-
19	Lijo Jacob Varghese, Ramesh Jayaraman , Kumar Cherukupalli, Heeravathi Senthamarai	Performance Analysis of Microgrid Using Wind Power Based on Steady-State Voltage Stability	Electric Power Components and Systems	Vol. 51, no. 20, pp. 2464–2473, 2023. DOI: 10.1080/15325008.2023.2210567	SCIE	Q3	-
20	Ravindranath Vankina , CH. S. Harsha Vardhan, Jyoshitha	Smart Eye Glasses for Visually Impaired People	Industrial Engineering	vol. 52, no. 4, April 2023	UGC Approved	Q4	UG

	Yannam, V. V. N. P. Sowmya Mounika, T. Anil Kumar, L. Rakesh		Journal				
21	A. H. Chander, K. Dhananjay Rao , B. Phaniteja, L Sahu	A Transformer less Photovoltaic Inverter with Dedicated MPPT for Grid Application	IEEE Access	vol. 11, pp. 61358-61367, June 2023. DOI: 10.1109/ACCESS.2023.3285792	SCIE	Q1	-
22	Jonnalagadda VK , Elumalai VK.	Nonlinear stabilization and reference tracking of visual servo system using TS fuzzy augmented iterative learning control: Experimental validation	Transactions of the Institute of Measurement and Control	Vol. 46, no. 2, pp. 301-315, 2023. DOI: 10.1177/01423312231169163	SCIE	Q2	-
23	Arup Das, Subhojit Dawn , Sadhan Gope, T S Ustun	A Strategy for System Risk Mitigation Using FACTS Devices in a Wind Incorporated Competitive Power System	Sustainability	vol. 14, no. 13, July 2022. DOI: 10.3390/su14138069	SCIE	Q1	-
24	Ganesh Sampatrao Patil, Anwar Mulla, Subhojit Dawn , Taha Selim Ustun	Profit Maximization with Imbalance Cost Improvement by Solar PV-Battery Hybrid System in Deregulated Power Market	Energies (MDPI)	vol. 15, no. 14, July 2022. DOI: 10.3390/en15145290	SCIE	Q1	-
25	J B Basu, Subhojit Dawn , P K Saha, M R Chakraborty, T S Ustun	Risk Mitigation & Profit Improvement of a Wind-Fuel Cell Hybrid System With TCSC Placement	IEEE Access	vol. 11, pp. 39431 - 39447, April 2023. DOI: 10.1109/ACCESS.2023.3267163	SCIE	Q1	-
26	S N V S K Chaitanya , R. Ashok Bakkiyaraj, B. Venkateswara Rao , K. Jayanthi	Scenario-based Method to Solve Optimal Reactive Power Dispatch using Modified Ant Lion Optimizer Considering Uncertainties in Load, Solar, and Wind Power	International Journal of Renewable Energy Research	vol.13, no.4, pp. 579-591, 2023. DOI: 10.20508/ijrer.v13i2.13864.g8727	ESCI & Scopus	Q3	-
27	Srinivasarao Thumati, Madhusudana Rao Ranga, Veera Reddy Aduru , Veera Vasantha Rao	Hybrid Dandelion Optimizer-based Multi-Objective Photovoltaic Power Penetration Maximisation in Reconfigurable Distribution Networks	International Journal Of Intelligent In Engineering	vol. 16, no. 4, pp. 105-114, 2023. DOI: 10.22266/ijies2023.0831.09	ESCI & Scopus	Q2	-

	Battula, Sravanthi Kantamaneni		And Systems				
28	Shreya Shree Das, Jayendra Kumar, Subhojit Dawn , Ferdinando Salata	Existing Stature and Possible Outlook of Renewable Power in Comprehensive Electricity Market	Processes	vol. 11, no. 6, June 2023. DOI: 10.3390/pr11061849	SCIE	Q2	-
29	Vutukuri Sarvani Duti Rekha, Swarupa Rani Bondalapati , Ratna Kumari Vemuri, Ramarao Gude, Praveen Tumuluru, Surya Prasada Rao Borra	New Services And Applications Can Leverage The Power Of Low Reliable And Latency Communication For Mission Critical Distributed Industrial Internet Of Things	Journal of Theoretical and Applied Information Technology	vol. 101, no. 12, 2023	Scopus	Q4	-

International Conferences (41)

SCOPUS: 39

IEEE Conference: 24

Sl. No.	Nmae of the Faculty/ Students	Name of the Paper	Name of the Conference	DOI	SCOPUS	IEEE/ Others	UG/ PG
1	A. Rama Devi , Krishna Kumari. N, I.V.S.A. Shesha Sai, D. Ravi Kumar, I. Neelima and Naga Swetha. B	Novel Configuration of Multilevel Inverter Topology with Less Number of Switches	2022 2nd Asian Conference on Innovation in Technology (ASIANCON)	10.1109/ASIANCON55314.2022.9908599	SCOPUS	IEEE	-
2	Cherukuri syam sundar, Gummadi Srinivasa Rao	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
3	Gummadi Srinivasa Rao , V Harivamsi , B.Venkateswara Rao	Transmission Pricing using MW Mile Method in Deregulated Environment	International Conference on Communication and Intelligent Systems (ICCIS-2022), NIT Delhi	10.1007/978-981-99-2322-9_3	SCOPUS	Springer	-

4	Bondalapati Devasahayam and B.Venkateswara Rao	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
5	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
6	Chaitanya, S.N.V.S.K., Bakkiyaraj, R.A. & Rao, B.V., K. Jayanthi	Scenario-Based approach to solve optimal reactive power Dispatch problem with integration of solar energy using Modified Ant Line Optimizer	8th International Conference on Cyber Security and Privacy in Communication Networks (ICCS) 2022, Cardiff Metropolitan University-UK	10.1007/s42979-023-02315-w	SCOPUS	Springer	-
7	Veera Reddy Aduru and Mahesh Kumar. B	Eccentricity condition monitoring of switched reluctance machine using Intelligence electronic device	International Conference on Innovative Product Design and Intelligent Manufacturing System (ICIPDMS-2022), NIT Rourkela	-	SCOPUS	Springer	-
8	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/ICCPC55978.2022.10072072	SCOPUS	IEEE	UG
9	Manish Kumar Barmar, A Hema chander and K Dhananjay Rao	A Non-Isolated Integrated Single-Stage Single-Switch Rectifier System for LED Application	Power electronics, Drives and Energy Systems PEDES-22, MNIT, Jaipur, 2022	10.1109/GlobConPT57482.2022.9938206	SCOPUS	IEEE	-
10	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
11	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
12	K. Dhananjay Rao,	Lithium Ion Battery Modeling	INOCON-2023, Bangaluru	10.1109/INOCO	SCOPUS	IEEE	UG

	L.Sucharita, A.Daveed, K.Yuva sai Srinivas and T.Vincela	and State of Charge Estimation using Kalman Filter based Observer		N57975.2023.10101333			
13	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
14	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
15	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
16	Veera Reddy Aduru, Vimala Kumari J and Sireesha A	Effect of Inter-Turn Short Circuit Fault on Performance Parameters of Permanent Magnet Synchronous Motor using Finite Element Method	IEEE International Conference on Power Instrumentation Energy and Control (PIECON) 2023, Muslim Aligarh University	10.1109/PIECON56912.2023.10085899	SCOPUS	IEEE	-
17	Kandikonda S V S K Devi Prakash, Veera Reddy Aduru , Reddy Harsha Vardhan Manikanta, Ganta Navya Sai Sri and Shaik Afthab	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
18	V.Kalandhar, A. Veera Reddy , 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

19	SivaRam Santhan. P, Pujitha. S, Vamsi Krishna . N , 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
20	Suneel Tummupudi , 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
21	Rajitha Rayala, Vimala Jonnalagadda , 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
22	S. Y. Vamsi Kumar, M. Mukku, V. K. Jonnalagadda , 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
23	Lakshmi Kumari SVR , 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
24	P. Sai Kiran, Venkateswara Rao 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
25	Guttavilli Harini, P. Venkatesh	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
26	P. Venkatesh, D Vimala	Frequency regulation in deregulated power system using	International Conference on emerging trends in science, engineering and	-	SCOPUS	Elsevier	UG

		robust firefly swarm hybrid optimization	technology (ICESET-2023)				
27	Chaitanya Priya Devarapu, M.L.N Vital , 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
28	Nanadakuditi Bhavana, R Madhusudhana Rao	High Security Alert System for Industrial Atmospheric Parameters	IEEE ICCMC-2023, India	10.1109/ICCMC56507.2023.10083512	SCOPUS	IEEE	UG
29	Sai Sirisha Pulleti, Hari Vamsi Valluru , 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
30	Ejjada Manoj Kumar, Abdul Zahoor, V. Ravindranadh Chowdary , 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
31	Madduri Tarun, Vimala Kumari Jonnalagadda , 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
32	S. S. Pattanaik, A. K. Sahoo, R. Panda	Day-ahead profit forecasting of microgrid using LSTM algorithm	2023 9th International Conference on Electrical Energy Systems (ICEES), Chennai, India	10.1109/ICEES57979.2023.10110058	SCOPUS	-	-
33	Indira D , 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

34	Ch. Sunil Kumar, T. Sai Sowmya, Subhojit Dawn , 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
35	Doddigalla Anusha, Subhojit Dawn , Mandepudi Bhargav, Ganta Vimal Sharon, Telluri Sai Sowmya, Chintarala Sunil Kumar	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
36	Manasa Vemula, Subhojit Dawn , 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
37	T. Suneel , 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
38	P. Sai Kiran, Venkateswara Rao 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
39	Ch Rajasekhar, Venkateswara Rao 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
40	A. Pavuluri, S. N. V. S. K. Chaitanya , 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

41	G. Vineeth, J. L. Aishwarya, B. Sowmya, B. S. Rani , 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
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Book Chapters (7)

SCOPUS: 7

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., Rao, B.V.	Multi-objective Optimal Power Flow Using Whale Optimization Algorithm Consists of Static VAR Compensator	In: Sengodan T., Murugappan M., Misra S. (eds) Advances in Electrical and Computer Technologies. Lecture Notes in Electrical Engineering, vol. 881. Springer, Singapore, 2022	10.1007/978-981-19-1111-8_66	SCOPUS	Springer	PG
2	V Pavan Kumar, Venkateswara Rao B , G 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, GummadiSrinivasa Rao, Venkateswararao 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., Dhananjay Rao, K. , 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, K. Dhananjay Rao , 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	978100336131 2	SCOPUS	T&F	UG
6	T. Sai Sowmya, Subhojit Dawn , 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, Subhojit Dawn , 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