

V R Siddhartha Engineering College: Vijayawada (Autonomous)

Department of Electrical and Electronics Engineering

Faculty Publications for the Academic Year: 2022-23 (July 2022 – May 2023)

S. No	Name of the Faculty	Int. Journals			Int. Conferences			Book Chapters	Total
		SCI	SCOPUS	Others	IEEE	Springer/ Elsevier / T&F/ Other SCOPUS	Others		
1	Dr. P.V.R.L. Narasimham								-
2	Dr. A. Rama Devi	1	1		1				3
3	Smt S.V.R. Lakshmi Kumari				1				1
4	Dr. G. Srinivasa Rao					3		1	4
5	Dr. B. Venkateswara Rao	4 1 (C-A)	2 1 (C-A)			2 3 (C-A)		2 1 (C-A)	10
6	Dr. J. Ramesh	1			1				2
7	Sri P. Venkatesh					2			2
8	Dr. N. Vamsi Krishna				1				1
9	Sri S.N.V.S.K. Chaitanya		1			2			3
10	Sri T. Suneel				2				2
11	Sri M. L. N. Vital					1			1
12	Sri R. MadhuSudhana Rao				1				1
13	Sri V. Hari Vamsi				1	1 (C-A)			1
14	Dr. A. Veera Reddy	1			3	1			5
15	Dr. Subhojit Dawn	8			5	1		2	16
16	Sri V. Ravindranadh Chowdary			1	1				2

17	Dr. K Dhananjay Rao	2			3			2	7
18	Smt J Vimala Kumari	1			2 1 (C-A)	1			4
19	Smt A. Sireesha				1 (C-A)				-
20	Smt G. Mythily								-
21	Smt D.Vimala					1 (C-A)			-
22	Smt Swarupa Rani B		2						2
23	Dr. D Indira					1			1
24	Smt K Lalitha								-
25	Dr. Rajesh Panda					1			1
26	Smt V. Bindu								-
27	Sri T Naveen								-
Total		18	6	1	21	15	0	7	69

***CA = Co-authors**

Science Citation Index (SCI): 18

Scopus Indexed: 50

Books/Book Chapters: 0 /7

IEEE Conferences: 22

Student Publications

UG: 33

PG: 5

International Journals (25)

SCI/SCIE: 18, SCOPUS: 06, UGC: 01

Q1: 10 Q2: 07 Q3: 04 Q4: 04

Sl. No.	Author Name	Title of the Paper	Publication Details	DOI	SCI/SCIE/ SCOPUS/WOS/ 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	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	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, 2022	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 Management,	10.1007/s13198-022-01828-6	ESCI & Scopus	Q2	-

			2022				
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	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	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	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	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	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	International Journal of Ambient Energy, Online ISSN: 2162-8246,	10.1080/01430750.2022.2163287	ESCI & Scopus	Q3	-

		Sources: A Review	December 2022				
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	10.3390/ electronics12030603	SCIE	Q2	-
12	Bathina Venkateswararao , Ramesh Devarapalli, Łukasz Knypiński, Sankara Rao Gowri and Fausto Pedro García Márquez	Shunt capacitor placement under n-1 contingency condition: Realization with Mi Power package	Przegląd Elektrotechniczny - 2023, vol. 99, no. 3, pp. 164- 171, March 2023	10.15199/48.2023.03.29	ESCI & Scopus	Q4	-
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	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	10.37394/232016.2022.17.35	Scopus	Q3	-
15	Koganti Srilakshmi, S. Poorna Chander Rao, G. Deepika, B. V. Sai Thrinath, Alapati Ramadevi , Sravanthy Gadameddi,	Performance Analysis of Artificial Intelligence Controller for PV and Battery Connected UPQC	International Journal Of Renewable Energy Research, vol. 13, no. 1, March 2023	10.20508/ijrer.v13i1.13523.g8672	ESCI & Scopus	Q4	-

	Kongari Dushanth Kumar, Aravindhababu Palanivelu						
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	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- Elektrotechnicky Casopis, vol. 74, no. 2, pp. 123-128, 2023	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, 2023	10.1080/15325008.2023.2210567	SCIE	Q3	-
20	Ravindranath Vankina , CH. S. Harsha Vardhan, Jyoshitha Yannam,	Smart Eye Glasses for Visually Impaired People	Industrial Engineering Journal, Volume : 52, Issue 4, April,	-	UGC Approved	Q4	UG

	V. V. N. P. Sowmya Mounika, T. Anil Kumar, L. Rakesh		2023.				
21	A. H. Chander, K. Dhananjay Rao , B. Phaniteja, L Sahu	A Transformer less Photovoltaic Inverter with Dedicated MPPT for Grid Application	IEEE Access, June 2023	-	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. May, 2023	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	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	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	10.1109/ACCESS.2023.3267163	SCIE	Q1	-

International Conferences (37)

SCOPUS: 37

IEEE Conference: 22

Sl. No.	Author Name	Title of the Paper	Publication Details	DOI	SCI/SCIE/ SCOPUS/WOS/ UGC	Publishers	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), 26th-28th August 2022	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, during 25-26 November 2022	-	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), Organized by NIT Delhi, during 19-20 December 2022	-	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), Organized by NIT	-	SCOPUS	Springer	PG

			Rourkela, during 25-26 November 2022				
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), Organized by NIT Rourkela, during 25-26 November 2022	-	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	8 th International Conference on Cyber Security and Privacy in Communication Networks (ICCS) 2022, Organized by Cardiff Metropolitan University-UK, during 12-13 December, 2022	-	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), Organized by NIT Rourkela, during 25-26 November, 2022	-	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	-	SCOPUS	IEEE	UG
9	Manish Kumar Barmar, A Hema chander and K Dhananjay Rao	A Non-Isolated Integrated Single-Stage Single-Switch Rectifier	Power electronics, Drives and Energy Systems PEDES-22, MNIT, Jaipur,	-	SCOPUS	IEEE	-

		System for LED Application	2022				
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), Organized by Institute of Engineering & Management, Kolkata, during 16-18 February 2023		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 , 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, IEEE Conference, March 3-5, 2023	-	SCOPUS	IEEE	UG
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, Department of EE & EEE, Institute of Engineering & Management, Kolkata, India during February 16th-18th, 2022	-	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, UP - 202002,	10.1109/PIECON56912.2023.10085889	SCOPUS	IEEE	UG

			India, 10 - 12 February, 2023				
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, 23-25 March 2023	-	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, U.P, 10-12 February 2023	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, 23-25 February 2023	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, 23-25 February 2023	-	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 on 23-25, February 2023	10.1109/ICCMC56 507.2023.10083637	SCOPUS	IEEE	UG
20	Suneel Tummapudi , 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 held during 10-12 February, 2023, Muslim Aligarh University, U.P	10.1109/PIECON56 912.2023.10085752	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	IEEE sponsored Virtual International conference, 2022 Second International Conference on Next Generation Intelligent Systems (ICNGIS), 2022 Second International Conference on Next Generation Intelligent Systems, (ICNGIS), 29-31 July, Rajiv Gandhi Institute of Technology, Kottayam, Kerala, India	10.1109/ICNGIS54 955.2022.10079835	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), IEEE, Apr. 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), Springer Nature, Organized by EEE & ECE Dept, MECW, Nuh, Haryana, 28th -29th March 2023.	-	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), Organized by JNTUH, Hyderabad, 15-17, September 2022	-	SCOPUS	-	PG
26	P. Venkatesh, D Vimala	Frequency regulation in deregulated power system using robust firefly swarm hybrid optimization	International Conference on emerging trends in science, engineering and technology (ICESET- 2023), Andhra Loyola college, 20-22 February 2023	-	SCOPUS	Elsevier	UG
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, 26th-28th April 2023	-	SCOPUS	-	UG

28	Nanadakuditi Bhavana, R Madhusudhana Rao	High Security Alert System for Industrial Atmospheric Parameters	IEEE ICCMC-2023, India, 4th April 2023	10.1109/ICCMC56 507.2023.10083512	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	-	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), 23-25 February 2023	-	SCOPUS	IEEE	UG
31	Madduri Tarun, Vimala Kumari Jonnalagadda , Ayinapur 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, March 18- 19, 2022	-	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, 2023	10.1109/ICEES579 79.2023.10110058	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, Apr 2023	-	SCOPUS	Springer	UG
34	Ch. Sunil Kumar, T. Sai	Impact Assessment of	2022 IEEE Students	-	SCOPUS	IEEE	UG

	Sowmya, Subhojit Dawn , Sk. Mounib Baig, D. Anusha	Solar PV in Deregulated Power Market	Conference on Engineering and Systems (SCES), Prayagraj, India, 01-03 July 2022				
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, 01-03 July 2022	-	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, 11-13 April 2023	-	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, 26th-28th April 2023	-	SCOPUS	-	UG

Book Chapters (7)

SCOPUS: 7

Sl. No.	Author Name	Title of the Paper	Publication Details	DOI	SCOPUS/ WOS/ UGC	Publishers	UG/P G
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	-	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	Renewable Resources and Energy Management, pp. 472-479. CRC Press, 2023	-	SCOPUS	T&F	UG

		System Performance of Electric Vehicle					
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