V R Siddhartha Engineering College: Vijayawada (Autonomous)

Department of Electrical and Electronics Engineering

Student Publications for the Academic Year: 2023-24

International Journals (02)

ESCI: 02

Q1: 01   UG: 02

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	Impact Factor	UG /PG
1	**K Dhananjay Rao**, Mudunuru Satya Dev Kumar, Paidi Pavani, Darapureddy Akshitha, Kagitha Nagamaleswara Rao, Hafiz Tayyab Rauf and Mohamed Sharaf	Cardiovascular disease prediction using hyper parameters-tuned LSTM considering COVID-19 with experimental validation	AIMS Bioengineering	vol. 10, no. 3, pp. 265-282, September 2023. DOI: 10.3934/bioeng.2023017	ESCI	-	1.2	UG
2	Mallemoggala Pavani Siva, **Gummadi Srinivasarao**, Jananika Katta, Vanapalli Swetha and Bala Sheshasri Guttula	Enhancing Fuel Efficiency and Emission Control in Diesel Locomotives through Auxiliary Power Units (APUs) in Neutral Conditions	Journal of Climate Change	vol. 10, no. 2, pp. 69-74, 2024. DOI: 10.3233/JCC240016	ESCI	Q1	0.7	UG

International Conferences (28)

SCOPUS: 26   WoS: 02   IEEE Conference: 16

UG: 27   PG: 01

Sl. No.	Nmae of the Faculty/ Students	Name of the Paper	Name of the Conference	DOI	SCOPUS	IEEE/ Others	UG/ PG
1	**K. D. Rao**, K. K. Reddy, P. Koushik, B. Avinash	Performance Analysis of Lithium-Ion Battery Considering	2023 IEEE 2nd International Conference on Industrial Electronics: Developments &	10.1109/ICIDeA5 9866.2023.10295	SCOPUS	IEEE	UG

#	Authors	Title	Conference	DOI	Indexing	Publisher	Level
	and D. L. Madhavi	Round Trip Efficiency	Applications (ICIDeA), India	170			
2	Rajasekhar Chandana, **B Venkateswara Rao**, Rajini Gudipudi , Akshith Roy Kopuri, Sri Jayanth Javvaji	Adaptive Traffic Sensing Drone	2nd IEEE International Interdisciplinary Humanitarian Conference for Sustainability (IIHC-2023), Sri Venkateshwara College of Engineering, Bengaluru, India	-	SCOPUS	-	UG
3	**K. D. Rao**, M. Taddi, T. Sriramula, D. Kumar Baliga, A. Simhadri and P. S. Panigrahy	Detection of Cyber Attacks on Wireless BMS of Electric Vehicles using Long Short-Term Memory Networks	2023 7th International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS), Bangalore, India	10.1109/CSITSS 60515.2023.1033 4240	SCOPUS	IEEE	UG
4	**Indira Damarla**, Aare Anand, T. Thanmai Reethika and H. Sai Niharika	Integration of Renewable Energy Resources to EV Using Sensorless Control and Regenerative Braking	2nd International Conference on Emerging Trends in Engineering, ICETE, Atlantis Press, Advances in Engineering Research, Springer, pp. 614-624, November 2023	10.2991/978-94-6463-252-1_63	SCOPUS	-	UG
5	Jahnavi Chinthaguntla, **Gummadi Srinivasarao**, Gunteiah Upputuri, Jayanth Tulluri and Niharika Dharavath	A Smart Anti-Collision System for Car Doors	4th International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT-2023), VIT, Vellore, India and Universiti of Malaya	10.1109/i-PACT58649.202 3.10434554	SCOPUS	IEEE	UG
6	O Jahnavi, **Venkateswara Rao B**, DhathriSree M, P Praveen Kumar and SaiNarendra M	A Novel approach to design a Multi featured Smart TV using Raspberry PI	Springer Nature International Conference SIGMAA-2023, India, 15-16 December 2023	10.1007/978-981-97-6352-8_19	SCOPUS	-	UG
7	Mallemoggala Pavani Siva, **Gummadi Srinivasarao,** Jananika Katta, Vanapalli Swetha and Bala Sheshasri Guttula	Optimizing Power Quality and Harmonics Mitigation through Integration of Photovoltaic, Wind, and Battery Systems Using a Three-Level Inverter in DC Micro grid Energy Management	5TH International Conference On Innovations In Communication Computing And Sciences (ICCS-2024), Chandigarh Engineering College, 21-22 March 2024	-	WoS	-	UG
8	Rajasekhar Chandana, **B Venkateswara Rao**, Rajini Gudipudi, Akshith Roy Kopuri, and Sri Jayanth Javvaji	Enhancing E-Bike Trips Through Precise Duration And Battery Consumption Prediction Using Machine Learning	5TH International Conference On Innovations In Communication Computing And Sciences (ICCS-2024), Chandigarh Engineering College, 21-22 March 2024	-	WoS	-	UG
9	Harini G. and **P. Venkatesh**	Optimal reactive power dispatch using hybrid whale and sine cosine optimization algorithm	AIP Conference Proceedings, 14TH International Conference On Materials Processing And Characterization 2023, 24–	10.1063/5.01938 41	SCOPUS	AIP	PG

			26 March 2023, Hyderabad, India				
10	V. S. Pavan M, **Ravindranadh V**, I. Shareef, V. S. Sathish D and P. S. Sankar J	Optimizing Battery Performance -Active and Passive Cell Balancing	2024 Third International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS), Krishnankoil, Virudhunagar, Tamil Nadu, India	-	SCOPUS	-	UG
11	M. Tarun, **V. K. Jonnalagadda**, A. J. Sai, K. Nivas and P. V. Mohan	Stress Detection by Deep Learning Technique	2024 Third International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS), Krishnankoil, Virudhunagar district, Tamil Nadu, India	10.1109/INCOS5 9338.2024.10527 550	SCOPUS	IEEE	UG
12	N. N. Prabhas, **V. K. Jonnalagadda**, A. S. Babu, V. M. Kanth and N. Sadhvik	Augmented Fuzzy- ILC for Trajectory Tracking Control of Magnetic Levitation System	2024 Third International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS), Krishnankoil, Virudhunagar district, Tamil Nadu, India	10.1109/INCOS5 9338.2024.10527 611	SCOPUS	IEEE	UG
13	HariTejaCharakanam, **Indira Damarla**, Rajesh Panda, Madhu Kumar Kosuri, Abhishek Arya Ramisetti and Hima Chowdary Potluri	Optimal Power Allocation of BESS in Microgrid using Machine Learning Techniques	IEEE International Conference on Emerging Trends in Information Technology and Engineering (ICETITE), Feb. 2024	10.1109/ic-ETITE58242.202 4.10493409	SCOPUS	IEEE	UG
14	Cherukumpalem Mohiddin Khan, S.**V.R Lakshmi Kumari**, Chundi Vinay Kumar, Mekala Hema and Rayipudi Angel	Real-time Solar Power Optimization and Energy Monitoring System with Maximum Power Point Tracking	2024 Third International Conference on Power, Control and Computing Technologies (ICPC2T), NIT, Raipur	10.1109/ICPC2T 60072.2024.1047 4843	SCOPUS	IEEE	UG
15	**Vital M.L.N,** Srinu Ejjipurapu, Daya Sagar Battu, Apsha Mohammad, Uday Annapareddy	Implementation of Machine Learning Algorithms for Accurate Determination of Plant Diseases	2nd IEEE International Interdisciplinary Humanitarian Conference for Sustainability (IIHC-2023), Sri Venkateshwara College of Engineering, SVCE, Bengaluru	-	SCOPUS	IEEE	UG
16	Chavalam Lakshmi Prasanna Chaitanya, **M.L.N. Vital,** Penumathsa Tejaswi, Modugu Ankitha, Prakki Naga Sindu Sri Latha	A Cognitive Approach to Generate Electrical Energy from Acousticmedium	3rd International Conference on Power Electronics, Intelligent Control, and Energy Systems (IEEE-ICPEICES-2024), Delhi Technological University, Delhi, India	10.1109/ICPEIC ES62430.2024.10 719322	SCOPUS	IEEE	UG
17	**M.L.N Vital, Srinu**	Performance Evaluation Of	2nd International Conference on Smart	10.1109/ICSSES	SCOPUS	-	UG

	Ejjipurapu, DayaSagar, Battu Apsha Mohammad, Uday Annaparedddy	Machine Learning Algorithms For Stability Prediction In Smart Grids	Systems for applications in Electrical Sciences (ICSSES- 2024), Siddaganga Institute of Technology, Tumakuru	62373.2024.1056 1434			
18	M. J. A. S. Kodiganti, **R. Jayaraman**, D. Narahari and V. N. H. Thopuri	Weather-Adaptive Power Factor Management: A Machine Learning Approach	2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE), Vellore, India	10.1109/ic-ETITE58242.202 4.10493607	SCOPUS	IEEE	UG
19	**T Suneel**, A S Vishnu Mahesh, B Akhil Kumar, K Blessy Babu and B Gayatri	Horn Detection System for Four-Wheeler Using Arduino	IEEE International Conference on Automation and Computation (AUTOCOM)-2024, Graphic Era Hill University, Dehradun, India	10.1109/ic-ETITE58242.202 4.10493362	SCOPUS	IEEE	UG
20	**T Suneel**, A S Vishnu Mahesh, B Akhil Kumar, K Blessy Babu and B Gayatri	Over-Crowd Avoiding In Transportation With Face Detection Using Raspberrypi	IEEE International Conference on Automation and Computation (AUTOCOM)-2024, Graphic Era Hill University, Dehradun, India	10.1109/AUTOC OM60220.2024.1 0486072	SCOPUS	IEEE	UG
21	Hari Teja Charakanam, **Indira Damarla,** Madhu Kumar Kosuri, Abhishek Arya Ramisetti, Hima Chowdary Potluri	Efficient PCB Fault Detection: A Tensor RT-Based Inference Acceleration Approach	3rd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2024)	10.1109/ICDCEC E60827.2024.105 49684	SCOPUS	IEEE	UG
22	**Bindu Vadlamudi,** Vijayasri Nishitha Bommisetty, Vandana Vutla and Tejavath Nagamani	Analysis and priority based smart power Distribution system using Automatic voltage Regulator (AVR)	4th International conference on artificial Intelligence and smart energy, March 2024. Springer	10.1007/978-3-031-61475-0_25	SCOPUS	Springer	UG
23	A Packialatha, **Bindu Vadlamudi**, Sai Thrinath and C S Sundar Ganesh	Electrical Vehicle Management and Tracking Using IOT	International conference on Innovative computing, Intelligent communication and smart electrical systems, IEEE conference 2023	10.1109/ICSES60 034.2023.104655 38	SCOPUS	IEEE	UG
24	**Hari Vamsi Valluru,** Deva Harshini, Gopi Muralidhar and Mounika	Advancing Solar Still efficiency-Pioneering Sustainable water Solutions	International Conference on Artificial Intelligence and Smart Energy, ICIAS2024, Information Systems Engineering and Management, Springer Cham, 2023	10.1007/978-3-031-61475-0_3	SCOPUS	Springer	UG
25	Chaitanya Goud Y, **Hari Vamsi V**, Nithya T, Sravan T and Jhansi P	Augmentation of Dynamic Stability Using Power System Stabilizer Utilizing Fuzzy Logic Techniques	2024 2nd International conference on Networking and Communications, 2024	10.1109/ICNWC 60771.2024.1053 7280	SCOPUS	IEEE	UG
26	Gopi Kuraku, **P.**	Dynamic self charging of EVs	5th international conference on recent	-	SCOPUS	-	UG

	Venkatesh, Sharif Mohammad, Rishitha Kunapureddy, and Sarth Kumar	with integrated battery management system	trends in machine learning, IOT, smart cities and applications (ICMISC), 2024				
27	Gopi Kuraku, **P. Venkatesh,** Sharif Mohammad, Rishitha Kunapureddy and Sarth Kumar	Gair based parkinsons disease prediction , A novel deep learning approach	5th international conference on recent trends in machine learning, IOT, Smart cities and applications (ICMISC), 2024	-	SCOPUS	-	UG
28	R. Panchakarla, J. S. Lekha, M. Arif, G. Kedharnath and **M. R. Ranga**	Robotic Module For Safely Retrieving Frisky One's From Open Boreholes	2023 IEEE 7th Conference on Information and Communication Technology (CICT), Jabalpur, India, 2023	10.1109/CICT59886.2023.10455114	SCOPUS	IEEE	UG

Book Chapters (5)

SCOPUS: 5   UG: 03   PG: 02

Sl. No.	Name of the Faculty/ Students	Name of the Paper	Name of the Book	DOI	SCOPUS	IEEE/ Springer	UG/ PG
1	Ch. Syam and **Gummadi Srinivasa Rao**	Optimal Scheduling of Multi-Objective Hydro-Thermal- Wind using NSGSA Technique	In: B.B.V.L. Deepak, et al. (eds) Intelligent manufacturing Systems in Industry 4.0. Lecture Notes in Mechanical Engineering, Springer, Singapore, 2023	10.1007/978-981-99-1665-8	SCOPUS	Springer	PG
2	D Yamini, **Gummadi Srinivasarao**, M Tejaswi, M Gowtham Vishal and M Vennela	Enhancement of Solar Panel Efficiency	In: B.B.V.L. Deepak, et al. (eds) Intelligent manufacturing Systems in Industry 4.0. Lecture Notes in Electrical Engineering. Springer, Singapore, 2023	10.1007/978-981-99-1665-8	SCOPUS	Springer	UG
3	Sai Kiran P., **Venkateswara Rao B.**, Satyamohan Sarveswar G and Manikanta P	IOT-Based Monitoring and Controlling of Substation Parameters	In: Malik H., Mishra S., Sood Y.R., Iqbal A., Ustun T.S. (eds) Renewable Power for Sustainable Growth. ICRP 2023. Lecture Notes in Electrical Engineering, vol. 1086. Springer, Singapore. January 2024	10.1007/978-981-99-6749-0_67	SCOPUS	Springer	UG
4	**Srinivasa Rao, G**.,	Profit Maximization of a	In: Kumar, S., K., B., Kim, J.H., Bansal,	10.1007/978-	SCOPUS	Springer	PG

	Prem Kumar, **M.,** **Dhananjay Rao, K.,** **Dawn, S**.	Wind-Integrated System by V2G Method	J.C. (eds) Fourth Congress on Intelligent Systems. CIS 2023. Lecture Notes in Networks and Systems, vol. 868. Springer, Singapore	981-99-9037-5_16			
5	Madduri, T., **Jonnalagadda, V.K**., Ayinapuru, J.S., Kodali, N., Prattipati, V.M.	Heart Stroke Prediction Using Different Machine Learning Algorithms	In: Tripathi, A.K., Anand, D., Nagar, A.K. (eds) Proceedings of World Conference on Artificial Intelligence: Advances and Applications. WWCA 1997. Algorithms for Intelligent Systems. Springer, 2023	10.1007/978-981- 99-5881-8_23	SCOPUS	Springer	UG