

## Department of Electrical and Electronics Engineering

### Publication for the Academic Year 2023-24

Sl No	Faculty Name	Paper Title	Month Year	Journal / Conference Title	Volume	Issue	Page start	Page end	Source (Scopus / WoS)	Publication Type	DOI
1	Dr.Vinoth Kumar K	Energy Saving Optimization Technique-Based Routing Protocol in Mobile Ad-Hoc Network with IoT Environment	August 2023	Energies	16	3	1	16	Scopus & WOS	Journal	<a href="https://doi.org/10.3390/en16031385">https://doi.org/10.3390/en16031385</a>
2	Dr. Agalya V	Multi-objective optimization for optimal energy transporting path and energy distribution in electric vehicles energy internet	January 2024	International Journal of Communication Systems	37	6	1	21	Scopus & WOS	Journal	<a href="https://doi.org/10.1002/dac.5700">https://doi.org/10.1002/dac.5700</a>
3	Dr. Aranagarajan Vinayagam Dr. Mohan Das R	An optimized frequency control of green energy integrated microgrid power system using modified SSO Algorithm	December 2023	Soft Computing	-	-	1	13	Scopus & WOS	Journal	<a href="https://doi.org/10.1007/s00500-023-09504-y">https://doi.org/10.1007/s00500-023-09504-y</a>
4	Dr.Vinoth Kumar K	Energy-Constrained Target Localization Scheme for Wireless Sensor Networks Using Radial Basis Function Neural Network	September 2023	International Journal of Distributed Sensor Networks	2023	-	1	12	Scopus & WOS	Journal	<a href="https://doi.org/10.1155/2023/1426430">https://doi.org/10.1155/2023/1426430</a>
5	Dr. Karthika M	Arithmetic optimization algorithm based torque ripple minimization technique for solar fed sensorless BLDC drive for domestic applications	October 2023	Optik	290	-	1	17	Scopus & WOS	Journal	<a href="https://doi.org/10.1016/j.ijleo.2023.171286">https://doi.org/10.1016/j.ijleo.2023.171286</a>
6	Dr. Gunapriya B	LW-CNN-based extraction with optimized encoder-decoder model for detection of diabetic retinopathy	January 2024	Journal of Autonomous Intelligence	7	3	1	16	Scopus & WOS	Journal	<a href="https://doi.org/10.32629/jai.v7i3.1095">https://doi.org/10.32629/jai.v7i3.1095</a>
7	Mr. Kartheek Vankadara	A novel optimization algorithm for UC, ELD and scheduling of hybrid energy storage system	January 2024	Multimedia Tools and Applications	-	-	1	14	Scopus & WOS	Journal	<a href="https://doi.org/10.1007/s11042-024-18207-x">https://doi.org/10.1007/s11042-024-18207-x</a>
8	Dr.Vinoth Kumar K	Implementation of Savonius Blad Wind Tree Structure by Super Lift Luo Converter for Smart Grid Applications and Benefits to Smart City	July 2023	Smart Grids for Smart Cities	1	-	159	174	Scopus & WOS	Book Chapter	<a href="https://doi.org/10.1002/9781119872108.ch8">https://doi.org/10.1002/9781119872108.ch8</a>
9	Dr. Gunapriya B	Designing Compensators for Reduced Order Systems Using Genetic Algorithms	January 2024	Lecture Notes in Electrical Engineering	1098	-	379	389	Scopus	Conference	<a href="https://doi.org/10.1007/978-981-99-7383-5_28">https://doi.org/10.1007/978-981-99-7383-5_28</a>
10	Dr. Mausri Bhuyan	Impact of Communication Delay in a Coordinated Control VPP Model with Demand Side Flexibility: A Case Study	February 2024	Smart Innovation, Systems and Technologies	373	-	431	443	Scopus	Conference	<a href="https://doi.org/10.1007/978-981-99-6866-4_33">https://doi.org/10.1007/978-981-99-6866-4_33</a>
11	Dr. Gunapriya B	Performance Analysis of SOC Estimation Approaches for Lithium-Ion Batteries	September 2023	Lecture Notes in Networks and Systems	719	-	493	503	Scopus	Conference	<a href="https://doi.org/10.1007/978-981-99-3758-5_45">https://doi.org/10.1007/978-981-99-3758-5_45</a>
12	Dr. Joshua Daniel Raj Dr. Mohan Das R Mr. Vinod Kumar S	Electricity Demand Forecasting Using ML	July 2023	Proceedings - 2023 3rd International Conference on Pervasive Computing and Social Networking, ICPCSN 2023	-	-	547	551	Scopus	Conference	<a href="https://doi.org/10.1109/ICPCSN58827.2023.00095">https://doi.org/10.1109/ICPCSN58827.2023.00095</a>
13	Dr. Prabhakaran N Dr. Gunapriya B	Advanced Drive Assistant System for Accident Avoidance at Speed Limit Zone Using GPS Technology	November 2023	AIP Conference Proceedings	2587	1	060001-1	060001-7	Scopus	Conference	<a href="https://doi.org/10.1063/5.0151368">https://doi.org/10.1063/5.0151368</a>
14	Dr. Gunapriya B	Model and Algorithm of Multimodal Transportation in Logistics Transportation Based on Particle Swarm Optimization	August 2023	2023 Second International Conference On Smart Technologies For Smart Nation (SmartTechCon)	-	-	814	818	Scopus	Conference	<a href="https://doi.org/10.1109/SmartTechCon57526.2023.10391805">https://doi.org/10.1109/SmartTechCon57526.2023.10391805</a>
15	Dr. Gunapriya B	Calculation Method For Asset Value Assessment of Municipal Transportation Infrastructure Based on Genetic Algorithm	August 2023	2023 Second International Conference On Smart Technologies For Smart Nation (SmartTechCon)	-	-	1388	1392	Scopus	Conference	<a href="https://doi.org/10.1109/SmartTechCon57526.2023.10391534">https://doi.org/10.1109/SmartTechCon57526.2023.10391534</a>