



DHANEKULA INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
STAFF / FACULTY PUBLICATIONS

(a) Journals:**Academic year: 2022-2023**

S · N o	Faculty /Staff name	Paper / Book title	Events / Journals / Publisher	Type of Journal	Publicati on Month	DOI/ISS N	Impact Factor
1	Ch Anil Kumar	Autonomous Sensing, Monitoring and Controlling of Fire and Gas in Industries Using Robot	Journal of Control and Instrumentation Engineering	National	May- August, 2022	e-ISSN: 2582- 3000 Volume- 8, Issue-2	SJIF = 5.246
2	P T Krishna Sai	Advanced metering infrastructure for low voltage distribution system in smart grid based monitoring applications	Sustainable Computing: Informatics and Systems, Volume 35, September 2022, 100691	SCIE/Sc opus	Septemb er,2022	https://doi.org/10.1016/j.susc.2022.100691	4.923
3	P T Krishna Sai	Agriculture monitoring system based on internet of things by deep learning feature fusion with classification	Computers and Electrical Engineering, Volume 102, September 2022, 108197	SCIE/Sc opus	Septemb er,2022	https://doi.org/10.1016/j.compeleceng.2022.108197	4.152
4	Ch Anil Kumar	Avoiding Wastage & Saving of Electrical Energy by Using PIR Sensor	Journal of Controller and Converters	National	Sep-Dec 2022	MAT Journals, Volume- 7, Issue-3	-
5	Dr I Sai Ram	Aquila Optimizer Based Optimal Allocation of Soft Open Points for Multi-Objective Operation in Electric Vehicles Integrated Active Distribution Networks	International Journal of Intelligent Engineering & Systems	Scopus	6 th May 2022	DOI: 10.22266/ ijies2022. 0831.25	SJR = 0.282
6	Dr I Sai Ram	An Application of Hunter-Prey Optimization for Maximizing Photovoltaic Hosting Capacity Along with Multi-Objective	International Journal of Intelligent Engineering & Systems	Scopus	13 June 2022	DOI: 10.22266/ ijies2022. 0831.52	SJR = 0.282



		Optimization in Radial Distribution Network					
7	Dr I Sai Ram	Optimal Switching Operations of Soft Open Points in Active Distribution Network for Handling Variable Penetration of Photovoltaic and Electric Vehicles Using Artificial Rabbits Optimization	Process Integration and Optimization for Sustainability	Scopus	24 November 2022	http://doi.org/10.1007/s41660-022-00304-9	SJR=0.371

(b) List of Conferences:

S. No	Faculty/Staff name	Paper / Book title	Events / Journals / Publisher	Type of Conference	DOI/ISBN
1	Dr I Sai Ram	High-Step-Up DC-DC Converter using Three-Winding Transformer and Soft-Switching for use in Photovoltaic Systems	2022 3rd International Conference for Emerging Technology (INCET)	IEEE Xplore	10.1109/IN CET54531.2022.9824811
2	P.T.Krishna Sai	High-Step-Up DC-DC Converter using Three-Winding Transformer and Soft-Switching for use in Photovoltaic Systems	2022 3rd International Conference for Emerging Technology (INCET)	IEEE Xplore	10.1109/IN CET54531.2022.9824811
3	P.T.Krishna Sai	Fine Tuning of Closed Loop BLDC Motor using Traditional PID Control	2022 International Conference on Smart and Sustainable Technologies in Energy and Power Sectors (SSTEPS)	IEEE Xplore: 22 May 2023	10.1109/SS TEPS57475 .2022.00075
4	P.T.Krishna Sai	Photovoltaic (PV) Cell Parameter Objective Optimization Using Novel Convolutional Neural Network (CNN) Technique	2022 International Conference on Smart and Sustainable Technologies in Energy and Power Sectors (SSTEPS)	IEEE Xplore: 22 May 2023	10.1109/SS TEPS57475 .2022.00076
5	P.T.Krishna Sai	Self-adaptive Butterfly Optimization for Simultaneous Optimal Integration of Electric Vehicle Fleets and Renewable Distribution Generation	Third Congress on Intelligent Systems. CIS 2022. Lecture Notes in Networks and Systems, vol 608	Springer, Singapore. 12 March 2023	10.1007/978-981-19-9225-4_56

**(c) List of Patents:**

S. No	Faculty/Staff name	Paper / Book title	Events / Journals / Publisher	Application Details	Publication Date
1	Dr I Sai Ram	SOLAR PANEL CLEANING ROBOT FOR INDUSTRIAL SOLAR POWER PLANTS	The Patent Office	Design No: 362071-001	07/10/2022
2	Dr I Sai Ram	LOCALIZATION ERROR MITIGATION TECHNIQUE FOR LOCATION ENABLED IOT IN ATHLETE TRAINING SYSTEM	OFFICIAL JOURNAL OF THE PATENT OFFICE	Application No.2023310 01873 A	13/01/2023
3	P T Krishna Sai	ISOTHERMAL ELECTRIC STOVE	The Patent Office	353588-001	20/01/2023

Signature of R&D Member

Signature of HOD