

# PRATHYUSHA ENGINEERING COLLEGE

(An Autonomous Institution)

Department of ECE

List of Publications 2023-2024

S NO	Title of paper	Name of the author/s	Name of journal	Year of publication	Indexing	Link to the recognition in UGC enlistment of the Journal
1	M2AI-CVD: Multi-modal AI approach cardiovascular risk prediction system using fundus images	Dr G Premalatha	Network: Computation in Neural Systems	2024	SCI	10.1080/0954898X.2024.2306988
2	Fractional WSD: Fractional war strategy dingo optimization with unified segmentation for detection of skin cancer	Dr S Vimala	Biomedical Signal Processing and Control	2024	SCI	10.1016/j.bspc.2023.105346
3	FPGA-enhanced system-on-chip for finger vein-based biometric system using novel DL model	Dr K Janaki	Integration	2024	SCI	10.1016/j.vlsi.2024.102231
4	Total losses and dispersion effects management and upgrading fiber reach in ultra-high optical transmission system based on hybrid amplification system	Dr K Prabhu Chandran	Journal of Optical Communications	2024	SCOPUS	10.1515/joc-2024-0074
5	Patient Health Monitoring Using Fibrillation Detection in Electrocardiogram Signal.	Dr G Premalatha	IETE Journal of Research	2024	SCI	10.1080/03772063.2024.2376125
6	A hybrid optimisation enabled deep learning for object detection and multi-object tracking	Dr J Thirumalai	International Journal of AdHoc and Ubiquitous Computing	2024	SCI	10.1504/IJAHUC.2024.140033
7	Adam golden search optimization enabled DCNN for classification of breast cancer using histopathological image	Dr S Vimala	Biomedical Signal Processing and Control	2024	SCI	10.1016/j.bspc.2024.106239
8	Assesing the Performance of Mobile WIMAX (PHY) across varied Communication channels and Modulation Techniques	E U Iniyan	Journal of Advancement in Communication System	2024	UGC	<a href="http://hbrppublication.com/OJS/index.php/JACS/article/view/5173">http://hbrppublication.com/OJS/index.php/JACS/article/view/5173</a>
9	An efficient black widow optimization-based faster R-CNN for classification of COVID-19 from CT images	Dr P Malathi	Multimedia Systems	2024	SCI	10.1007/s00530-024-01281-4
10	Taylor-student psychology based optimization integrated deep learning in IoT application for plant disease classification	Dr S Vimala	Wireless Networks	2023	SCI	10.1007/s11276-022-03150-2
11	Internet of things based smart application for rice leaf disease classification using optimization integrated deep maxout network	Dr S Vimala	Concurrency and Computation: Practice and Experience	2023	SCI	10.1002/cpe.7545