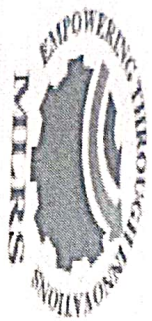


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Department of Electronics and Communication Engineering
 Faculty Research Publications

Journal Publications (2023-24)

S. No	Name of the Faculty	Title of the Paper	Journal Name	DOI Number	Year & Month of Publication	Vol. No., Issue No., and Page Nos.	SCI/SCOPUS/UGC
1	Dr. N. Srinivas	On Selection of Parameters for Cooperative Spectrum Sensing Schemes over $k-\mu$ Fading Channels	IETE Journal of Research, Taylor & Francis	https://doi.org/10.1080/03772063.2022.2038700	Nov 2023	Vol. 69, No. 11 Pp. 7684-7694	Scopus/SCI
2	Dr. N. Srinivas	Spectrum sensing performance of wireless cognitive radio sensor network with hard-decision fusion over generalized $\alpha-\mu$ fading channels	International Journal of Communication Systems, Wiley	https://doi.org/10.1002/dac.5498	July 2023	Vol. 36, No. 10	Scopus/SCI
3	Dr. N. Srinivas	Energy-efficiency performance of wireless cognitive radio sensor network with hard-decision fusion over generalized $\alpha-\mu$ fading channels	Wireless Network, Springer	https://doi.org/10.1007/s11276-023-03350-4	Aug 2023	Vol. 29, No. 6, pp. 2759-2771	Scopus/SCI
4	Dr. N. Srinivas	Throughput and harvesting time trade-off in a energy harvesting cognitive radio network	Wireless Network, Springer	https://doi.org/10.1007/s11276-023-03337-1	Aug 2023	Vol. 29, No. 6, pp. 2619-2633	Scopus/SCI
5	D. Malathi Rani	Melanoma classification using convolutional neural network	AIP Publishing	https://doi.org/10.1063/5.0162544	Sep 2023	Vol. 2754, No.1	Scopus
6	Ashok Nayak B.	FPGA Implementation of High-Performance Truncated Rounding based Approximate Multiplier with High-Level Synchronous XOR-MUX Full Adder	WSEAS Transactions on Ckts and Systems	DOI: 10.37394/23201.2023.22.13	Dec 2023	Vol. 22, pp. 111-124	Scopus

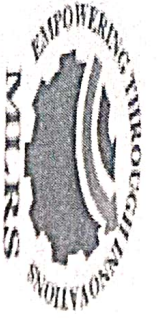


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7	S.K Hima Bindhu	Enhancing FPGA Testing Efficiency: A PRBS-Based Approach for DSP Slices and Multipliers	International Journal of Electrical and Electronics Research FOREX Publication	DOI:10.37391/IJEE R.120120	Feb 2024	Vol. 12, No. 1, PP. 139-145	Scopus
8	Dr. G. Amarnath	Electrical Characterization of Multi-Gate MOSFET with Reduced Short-Channel Effects for High-Power Applications	International Journal of Nanoscience, World Scientific Publishing Company	https://doi.org/10.1142/S0219581X23500552	Feb 2024	Vol. 23, No. 01	Scopus/SCI
9	D. Malathi Rani	An LSTM based DNN Model for Neurological Disease Prediction Using Voice Characteristics	EAI Endorsed Transactions on Pervasive Health & Technology, EAI Publishing	https://doi.org/10.4108/eetpht.10.5424	Mar 2024	Vol. 10	Scopus
10	D. Rupa kumar	An efficient architecture implementation of a golay code encoder in CMOS 45nm technology	AIP Publishing	DOI:10.1063/5.0196456	Feb 2024	Vol. 2942, No. 1 pp.1-11	Scopus
11	D Malathi Rani	Heart Disease Prediction Using Grid Search CV and Random Forest	EAI Endorsed Transactions on Pervasive Health & Technology, EAI Publishing	https://doi.org/10.4108/eetpht.10.5523	Mar 2024	Vol. 10	Scopus
12	Dr. G. Amarnath	Modeling and Simulation of Multi Gate MOSFET with Reduced Short Channel Effects for High Power Applications	Advances in Engineering Research	https://doi.org/10.2991/978-94-6463-252-1_59	Nov 2023	pp. 568-578	UGC

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Department of Electronics and Communication Engineering
Faculty Research Publications

International Conferences (2023-24)

S. No	Name of the Faculty	Title of the Paper	Conference Name	DOI Number	Year & Month of Publication	Place of the Conference	SCI/SCOPUS/UGC
1	Dr. G. Amarnath	Dual-Facet Loaded Dual-Polarized Quad-band Dielectric Resonator-Rectenna for RF Energy Harvesting in Smart City Applications	IEEE Wireless Antenna and Microwave Symposium (WAMS)	10.1109/WAMSS7261.2023.10242897	Sept 2023	pp. 1-5, Ahmedabad, India	Scopus
2	Dr. N. Srinivas	Spectrum sensing performance of wireless cognitive radio sensor network with soft data fusion over generalized α - μ fading channels	IEEE International Conference on Mobile Networks and Wireless Communications (ICMNNWC)	10.1109/ICMNNWC60182.2023.10435938	Feb 2024	pp. 1-5, Tumkur, India	Scopus
3	D.Malathi Rani	Detection and Classification of Malicious URLs Based on Machine Learning Models	7th IET Smart Cities Symposium, SCS 2023	10.1049/icp.2024.0877	April 2024	pp.1-6 Hybrid Conference, Bahrain	Scopus

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