

MARRI LAXMAN REDDY
INSTITUTE OF TECHNOLOGY AND MANAGEMENT
 (AN AUTONOMOUS INSTITUTION)
 (Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)
 Accredited by NAAC with 'A' Grade & Recognized Under Section 2(F) & 12(B) of the UGC act. 1956

Department of Electronics and Communication Engineering
 Faculty Research Publications

Journal Publications (2022-23)

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.G. Amarnath	Alln/GaN HEMT on Silicon Substrate with GD-Field-Plate: Modelling and Simulation of Electric-Field and Breakdown-Voltage Characteristics	Silicon, Springer	https://doi.org/10.1007/s12633-022-01771-y	Nov 2022	Vol. 14, PP. 10327-10335	Scopus/SCI
2	Mr. B. Koteswar Rao	Low area FPGA implementation of modified histogram estimation architecture with CSAC-DPRM-OBC for medical image enhancement application	Int. Journal of Nanotechnology, Inder Science	https://doi.org/10.1504/IJNT.2023.131116	May 2023	Vol. 20, No. 1-4, pp 259-280	Scopus/SCI
3	Dr. G. Amarnath	A temperature dependent drain current model of P+ SiC GAA JLFFETs for enhanced analog/RF performance	Micro and Nanostructures, Elsevier	https://doi.org/10.1016/j.micma.2024.207786	April 2023	Vol. 188	Scopus/SCI
4	D. Malathi Rani	Application gateway with web application firewall	AIP Publishing	https://doi.org/10.1063/5.0113195	Sept 2023	Vol. 2492, No. 1	Scopus
5	D. Rupa Kumar	Design of Flexible Floating Point Processing Element (FFPE) Architecture Based on Golay Code Strategy	Wireless Personal Communications, Springer	https://doi.org/10.1007/s11277-022-09634-w	July 2022	Vol. 125, pages 1783-1800	Scopus/SCI

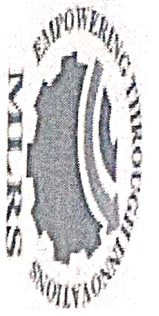


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6	Ashok Nayak B.	Parkinson's disease detection using modified Res NeXt deep learning model from brain MRI images	Soft Computing, Springer	10.1007/s00500-023-08535-9	May 2023	Volume 27, pages 11905-11914	Scopus/SCI
7	Dr. G. Amarnath	Analytical Modeling of Electric-Field and Breakdown Voltage Characteristics of AllIn/GaNHEMT with Field Plates	Springer Tracts in Electrical and Electronics Engineering ((STEEE))	https://link.springer.com/chapter/10.1007/978-981-19-2165-0_5	June 2022	pp 71-83	Scopus/SCI
8	I. Adumbabu	Machine Learning System for Recognition and Classification of Overlapped Fingerprints	2022 Smart Technologies, Communication and Robotics (STCR)	https://doi.org/10.1109/STCR55312.2022.10009199	Dec 2022		Scopus

See
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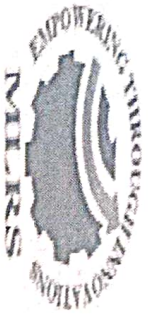


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Department of Electronics and Communication Engineering
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International Conferences (2022-23)

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. Bachu Srinivas	Satellite Image Dehazing Using Fast Iterative Domain Gaussian Guided Image Filtering	IEBE International Conference on Smart Electronics and Communication (ICSEC)	10.1109/ICOSECS4921.2022.9951947	Nov 2022	Trichy, India	Scopus
2	Dr. N. Udaya Kumar	Satellite Image Dehazing Using Fast Iterative Domain Gaussian Guided Image Filtering	IEBE International Conference on Smart Electronics and Communication (ICSEC)	10.1109/ICOSECS4921.2022.9951947	Nov 2022	Trichy, India	Scopus
3	P. Lavanya	A Deep Learning Approach Lung Segmentation And Pneumonia Detection From X-Rays	IEBE International Conference on recent trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC)	10.1109/ICMACCS4824.2022.10093274	April 2023	Hyderabad, India	Scopus
4	Dr. Bachu Srinivas	MRI and CT Image Fusion using Synchronized Anisotropic Diffusion Equation with DT-CWT Decomposition	IEEE Smart Technologies, Communication and Robotics (STCR)	10.1109/STCR55312.2022.10009173	Jan 2023	pp. 1-5, Sathyamangalam, India	Scopus



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5	Nalaguru Udaya Kumar	Artificial Intelligence System for Classification of Diabetic Retinopathy	IEEE Smart Technologies, Communication and Robotics (STCR)	10.1109/STCR5531 2.2022.10009372	Jan 2023	pp.1-5 Sathyamangalam, India	Scopus
6	L. Adum Babu	Machine Learning System for Recognition and Classification of Overlapped Fingerprints	IEEE Smart Technologies, Communication and Robotics (STCR)	10.1109/STCR5531 2.2022.10009199	Jan 2023	pp.1-5 Sathyamangalam, India	Scopus
7	E. Sreemivasulu	Low-light Color Image Enhancement based on Dark Channel Prior with Retinex Model	IEEE Smart Technologies, Communication and Robotics (STCR)	10.1109/STCR5531 2.2022.10009364	Jan 2023	pp.1-5 Sathyamangalam, India	Scopus
8	Dr. K. Naveen Kumar	A Deep Learning System for Object Detection in Street Images using Region Convolutional Neural Network	International Conference on Science, Technology Engineering and Mathematics 2.0	chrome-extension://efaidnbmnnnibpcajpcglclef indmkaj/https://cdn.iferp.in/conf-proceedings/2023/4th-ICSTEM-23-JIT.pdf	May 2023	Coimbatore, India	Scopus
9	Dr. Srinivas Bachu	A Deep Learning System for Object Detection in Street Images using Region Convolutional Neural Network	International Conference on Science, Technology, Engineering and Mathematics 2.0	chrome-extension://efaidnbmnnnibpcajpcglclef indmkaj/https://cdn.iferp.in/conf-proceedings/2023/4th-ICSTEM-23-JIT.pdf	May 2023	Coimbatore, India	Scopus

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