



MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY & MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

NAAC Accredited Institution with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Faculty Publication 2020-21

S.No	Name of the Staff	Title of the Paper	Name of Journal/Conference/Book	DoI	Month & Year
1	Dr. Srinivas Bachu	FRCAPE: Frequency Re-configurable Coplanar Antenna Using Parasitic Elements	Proceedings of IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation, ICATMRI 2020	10.1109/ICATMRI51801.2020.9398416	Apr 2021
		Design and Implementation to Find Multi-Issues in Brain Images with Mixture Clustering Techniques	Advances in Intelligent Systems and Computing	DOI: 10.1007/978-981-16-1335-7_22	June 2021
		A Novel Approach to Detect Leaf Disease and Feature Extraction using IoT	2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS)	10.1109/ICACCS51430.2021.9441730	Mar 2021
		Divide and Conquer Algorithm Based Electro Cardiac Signal Compression	IOP Conference Series Materials Science and	DOI:10.1088/1757-899X/1084/1/012008	Mar 2021



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		Scheme	Engineering		
		Design and Monitoring of Smart Roads Based on Weather Data by using IoT	IOP Conference Series: Materials Science and Engineering,	DOI:10.1088/1757-899X/1084/1/012123	Mar 2021
		Joint Sparsity and Total Variation Based Unmixing of Mixed Noise	OP Conference Series: Materials Science and Engineering	https://iopscience.iop.org/article/10.1088/1757-899X/1084/1/012041	Mar 2021
		IBMPS: Incubator Baby Monitoring and Parameter Sensing	2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021	10.1109/ICACCS51430.2021.9441959	Mar 2021
		Content Based Image Retrieval Using Deep Learning Convolutional Neural Network	IOP Conference Series: Materials Science and Engineering	https://iopscience.iop.org/article/10.1088/1757-899X/1084/1/012026	Jan 2021



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		SCSGFRA: Sine and Cosine Signal Generation for Fixed Rotation Angle	Innovations in Electronics and Communication Engineering	DOI: 10.1007/978-981-15-3172-9_59	Apr 2021
		Design of Density Clustering In Diabetic Retinopathy Based Eye Fundus Segmentation	IOP Conf. Series: Materials Science and Engineering	DOI:10.1088/1757-899X/1084/1/012006	June 2021
2	Dr. N. Srinivas	Analysis of Cooperative Cognitive Radio Network with Improved Energy Detector and Multiple Transceivers over Nakagami-n	International Conference on Computing Communication and Automation, ICCCA 2020	10.1109/ICCCA49541.2020.9250769	Oct 2020



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		Fading Channel			
		Analysis of energy-efficient cooperative spectrum sensing with improved energy detectors and multiple antennas over Nakagami-q/n fading channels	International Journal of Communication Systems	https://doi.org/10.1002/dac.4731	Jan 2021
		Implementation of Soft-Data Combining Schemes for Cooperative Cognitive Radio Network over Rayleigh Fading Channel	2020 IEEE International Conference for Innovation in Technology, INOCON 2020	10.1109/INOCON50539.2020.9298437	Nov 2020
		Throughput Performance Analysis of Cooperative Spectrum Sensing Network with Improved Energy Detectors in Hoyt Fading Environment	Proceedings of the 4th International Conference on Electronics, Communication and Aerospace	10.1109/ICECA49313.2020.9297530	Nov 2020
		Energy-efficiency analysis of cognitive radio network with	Proceedings - 2020 IEEE International Symposium on Sustainable Energy, Signal	10.1109/iSSSC50941.2020.9358880	Dec 2020



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		improved energy detectors and SC diversity over nakagami-q fading environment	Processing and Cyber Security, iSSSC 2020		
3	Dr.G.Amarath	Threshold-Voltage Analytical-Model Development for Junction-less-Double-Gate FETs	International Conference on Electrical, Computer and Communication Technologies	10.1109/ICCCI50826.2021.9402278	Jan 2021
		TCAD-based Comparative Study of Gallium-Oxide based FinFET and MOSFET	Proceedings of IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation, ICATMRI 2020	10.1109/ICATMRI51801.2020.9398440	Apr 2021
		Analysis of Temperature Effect on Small-Signal-Equivalent-Circuit Parameters for AlInN/GaN MOS-HEMT	Proceedings of IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation, ICATMRI 2020	10.1109/ICATMRI51801.2020.9398378	Apr 2021
		Development of Threshold-Voltage Analytical-Model for Double-Gate-Junction-less FETs	Proceedings of IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation, ICATMRI 2020	10.1109/ICATMRI51801.2020.9398504	Apr 2021



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4	Dr. S. Kishore	Near-zero computing using NCFET for IoT applications	International Journal of Intelligent Enterprise	DOI: 10.1504/IJIE.2021.114514	Mar 2021
		Design of 8 bit and 16 bit Reversible ALU for Low Power Applications	International Conference on Computing Communication and Automation, ICCCA 2020	10.1109/ICCCA49541.2020.9250876	Oct 2020
		A hadoop based framework integrating machine learning classifiers for anomaly detection in the internet of things	Electronics (Switzerland)	https://doi.org/10.3390/electronics10161955	June 2021
		Performance Analysis of GDI based Arithmetic Circuits	International Conference on Computing Communication and Automation, ICCCA 2020	10.1109/ICCCA49541.2020.9250890	Nov 2020
		Comparative Review of MAC Architectures	Soft Computing for Intelligent Systems- Book	10.1007/978-981-16-1048-6_3	June 2021
5	K.Naga Bushan	IBMPS: Incubator Baby Monitoring and Parameter Sensing	2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021	10.1109/ICACCS51430.2021.9441959	Mar 2021



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		Design and Monitoring of Smart Roads Based on Weather Data	IOP Conference Series: Materials Science and Engineering	DOI:10.1088/1757-899X/1084/1/012123	Mar 2021
		Joint Sparsity and Total Variation Based Unmixing of Mixed Noise	OP Conference Series: Materials Science and Engineering	https://iopscience.iop.org/article/10.1088/1757-899X/1084/1/012041	Mar 2021
6	D.Srinu	HOMER-based DES for techno-economic optimization of grid	Innovations in Computer Science and Engineering	10.1007/978-981-33-4543-0_42	Apr 2021
7	Saxena Chandrika	Advanced Automatic Human Emotion classification system with Lip Features Using M3 Filtering and Convolution Neural Network (CNN)	Proceedings of the 6th International Conference on Communication and Electronics Systems	10.1109/ICCES51350.2021.9489202	June 2021
		Advanced and effective baby care monitoring Smart cradle system using Internet of Things	2021 2nd International Conference on Smart Electronics and Communication (ICOSEC)	10.1109/ICOSEC51865.2021.9591955	Oct 2021



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8	N. Udaya Kumar	Design of Density Clustering In Diabetic Retinopathy Based Eye Fundus Segmentation	IOP Conf. Series: Materials Science and Engineering	DOI:10.1088/1757-899X/1084/1/012006	June 2021
		Divide and Conquer Algorithm Based Electro Cardiac Signal Compression Scheme	IOP Conference Series Materials Science and Engineering	DOI:10.1088/1757-899X/1084/1/012008	Mar 2021
		VLSI Implementation of Discrete Cosine Transform Approximation Recursive Algorithm	Journal of Physics: Conference Series	10.1088/1742-6596/1817/1/012017	June 2021
		A Novel Approach to Detect Leaf Disease and Feature Extraction using IoT	2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS)	10.1109/ICACCS51430.2021.9441730	Mar 2021



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9	P.S Shijin Kumar	Content Based Image Retrieval Using Deep Learning Convolutional Neural Network	IOP Conference Series: Materials Science and Engineering	https://iopscience.iop.org/article/10.1088/1757-899X/1084/1/012026	Jan 2021
10	G. Kiran Kumar	Fast palmprint retrieval using speed up robust features	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY	10.17485/IJST/v13i31.404	Aug 2020
		Prediction of House Price Using Machine Learning Algorithms	Proceedings of the Fifth International Conference on Trends in Electronics and Informatics (ICOEI)	10.1109/ICOEI51242.2021. 9452820	Apr 2021
11	D. Malathi Rani	Fast palmprint retrieval using speed up robust features	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY	10.17485/IJST/v13i31.404	Aug 2020
		Prediction of House Price Using Machine Learning Algorithms	Proceedings of the Fifth International Conference on Trends in Electronics and Informatics (ICOEI)	10.1109/ICOEI51242.2021. 9452820	Apr 2021



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12	K.V.Suresh Kumar	SCSGFRA: Sine and Cosine Signal Generation for Fixed Rotation Angle	Innovations in Electronics and Communication Engineering	10.1007/978-981-15-3172-9_59	Apr 2021
13	I.Adam Babu	Design and Implementation to Find Multi-Issues in Brain Images with Mixture Clustering Techniques	Advances in Intelligent Systems and Computing	10.1007/978-981-16-1335-7_22	July 2021
14	B.N Srinivas	Threshold-Voltage Analytical-Model Development for Junction-less-Double-Gate FETs	International Conference on Electrical, Computer and Communication Technologies	10.1109/ICCCI50826.2021.9402278	Jan 2021
15	R. Raja Kishore	HOMER-based DES for techno-economic optimization of grid	Innovations in Computer Science and Engineering	10.1007/978-981-33-4543-0_42	Apr 2021
16	D. Jaya Kumar	HOMER-based DES for techno-economic optimization of grid	Innovations in Computer Science and Engineering	10.1007/978-981-33-4543-0_42	Apr 2021



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17	S. K. Hima Bindhu	Analysis of Temperature Effect on Small- Signal-Equivalent- Circuit Parameters for AlInN/GaN MOS-HEMT	Proceedings of IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation, ICATMRI 2020	10.1109/ICATMRI51801.20 20.9398378	Apr 2021
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