Department of Electronics and Communication Engineering

Faculty Research Publications

Journal Publications (2021-22)

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	Throughput performance of cooperative spectrum sensing network with improved energy detectors and SC diversity over fading channels	Wireless Networks, Springer	https://doi.org/10.1007/s11276-021-02685-0	Aug 2021	Vol. 27 No. 6 PP 4039-4050	Scopus/SCI
2	Dr. G. Amarnath	Flicker Noise Analysis of Non-uniform Body TFET with Dual Material Source (NUTFET-DMS)	Micro and Nanoelectronics Devices, Circuits and Systems, Springer	https://doi.org/10.1007/978-981-16-3767-4_23	Sept 2021	Vol. 10 pp 247–253	Scopus
3	Dr.G. Amarnath	Numerical Simulation-Based Comparative Study of FinFET and MOSFET with Gallium Oxide	Micro and Nanoelectronics Devices, Circuits and Systems, Springer	https://doi.org/10.1007/978-981-16-3767-4_25	Sept 2021	Vol. 10, pp 265–272	Scopus
4	Dr.G. Amarnath	Designing of RF-MEMS Capacitive Contact Shunt Switch and Its Simulation for S-band Application	Micro and Nanoelectronics Devices, Circuits and Systems, Springer	https://doi.org/10.1007/978-981-16-3767-4_43	Sept 2021	Vol. 10 pp 439–448	Scopus
5	Dr.G. Amarnath	Design and Analysis of FEM Novel X-Shaped Broadband Linear Piezoelectric Energy Harvester	Micro and Nanoelectronics Devices, Circuits and Systems, Springer	https://doi.org/10.1007/978-981-16-3767-4_39	Sept 2021	Vol. 10 pp 407–416	Scopus
6	Dr. P S Shijin Kumar	Adaptive histogram equalization of wavelet sub bands for the enhancement of contrast in aerial images	Materials Today: Proceedings, Elsevier	https://doi.org/10.1016/j.matpr.2021.10.297	Mar 2022	Vol. 52, Part 3, Pages 898-901	Scopus
7	B. Koteshwara Rao	Adaptive histogram equalization of wavelet sub bands for the enhancement of contrast in aerial images	Materials Today: Proceedings, Elsevier	https://doi.org/10.1016/j.matpr.2021.10.297	Mar 2022	Vol. 52, Part 3, Pages 898-901	Scopus

8	K . Nagamani	Adaptive histogram equalization of wavelet sub bands for the enhancement of contrast in aerial images	Materials Today: Proceedings, Elsevier	https://doi.org/10.1016/j.matpr.2021.10.297	Mar 2022	Vol. 52, Part 3, Pages 898-901	Scopus
9	B. Koteshwara Rao	Design of approximate reverse carry select adder using RCPA	International Journal of Electronics Letters, Taylor and Francis	https://doi.org/10.1080/21681724.2022.2062791	Apr 2022	Vol. 11, no. 2, PP. 146-156	Scopus/SCI
10	Dr. Bachu Srinivas	An Efficient Field Programmable Gate Array Based Hardware Architecture for Efficient Motion Estimation with Parallel Implemented Genetic Algorithm	Concurrency and Computation: Practice and Experience, Wiley	https://doi.org/10.1002/cpe.6459	Dec 2021	Vol. 33, no. 24, pp. e6459	Scopus/SCI
11	Dr.G. Amarnath	Effect of Au-Al Dual-Metal Gate on 3D Double-Gate Junctionless Transistor Performance	Smart and Intelligent Systems, Springer	https://link.springer.com/chapter/10.1007/978-981-16-2109-3_39	Aug 2021	pp 421–429	Scopus/SCI
12	Dr.G. Amarnath	Study of Temperature Effect on MOS-HEMTSmall-Signal Parameters	Micro and Nanoelectronics Devices, Circuits and Systems, Springer	10.1007/978-981-16-3767-4_24	Sept 2021	pages 255-263	Scopus/SCI

HOD-ECE
Department of ECE
MARRI LAXMAN REDDY
Institute of Technology and Management
(AUTONOMOUS)
Dundigal(V),Dundigal-Gandmaisamma(M)
Medchal(D), Hyderabad - 500043,T.S

Department of Electronics and Communication Engineering

Faculty Research Publications

International Conferences (2021-22)

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	Implementation of Potential Leukemia Detection using Recurrent Neural Networks with Blood Cell Counting	IEEE International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	10.1109/ICEEICT53079.2022.9768569	May 2022	pp. 1-5 Trichy, India	Scopus
2	Dr. N. Udaya Kumar	Implementation of Potential Leukemia Detection using Recurrent Neural Networks with Blood Cell Counting	IEEE International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	10.1109/ICEEICT53079.2022.9768569	May 2022	pp. 1-5 Trichy, India	Scopus
3	Dr. Bachu Srinivas	Implementation of Medical Image Watermarking using RDWT and SVD for Secure Medical Data Transmission in Healthcare Systems	IEEE International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	10.1109/ICEEICT53079.2022.9768429	May 2022	pp. 1-5 Trichy, India	Scopus
4	Dr.I.Adum Babu	Implementation of Medical Image Watermarking using RDWT and SVD for Secure Medical Data Transmission in Healthcare Systems	IEEE International Conference on Electrical, Electronics, Information and Communication Technologies, (ICEEICT)	10.1109/ICEEICT53079.2022.9768429	May 2022	pp. 1-5 Trichy, India	Scopus

5	Dr. Bachu Srinivas	Implementation of Computer Aided System for Automated Bone Fracture Detection using Digital Geometry	IEEE International Conference on Electrical, Electronics, Information and Communication Technologies, (ICEEICT)	10.1109/ICEEICT53079.2022.9768436	May 2022	pp. 1-5 Trichy, India	Scopus
6	K. Nagabushanam	Implementation of Computer Aided System for Automated Bone Fracture Detection using Digital Geometry	IEEE International Conference on Electrical, Electronics, Information and Communication Technologies, (ICEEICT)	10.1109/ICEEICT53079.2022.9768436	May 2022	pp. 1-5 Trichy, India	Scopus
7	Dr. Bachu Srinivas	Implementation of Brain Tumor Detection with Deep Learning Classification Using Hybrid Feature Extraction	IEEE International Conference on Electrical, Electronics, Information and Communication Technologies, (ICEEICT)	10.1109/ICEEICT53079.2022.9768532	May 2022	pp. 1-5 Trichy, India	Scopus
8	E. Sreenivasulu	Implementation of Brain Tumor Detection with Deep Learning Classification Using Hybrid Feature Extraction	IEEE International Conference on Electrical, Electronics, Information and Communication Technologies, (ICEEICT)	10.1109/ICEEICT53079.2022.9768532	May 2022	pp. 1-5 Trichy, India	Scopus
9	Dr. Bachu Srinivas	Remote Sensing and Natural Image Dehazing using DCP based IDERS Framework	IEEE International Conference on Electrical, Electronics, Information and Communication Technologies, (ICEEICT)	10.1109/ICEEICT53079.2022.9768593	May 2022	pp. 1-5 Trichy, India	Scopus
10	Dr. N Udaya Kumar	Remote Sensing and Natural Image Dehazing using DCP based IDERS Framework	IEEE International Conference on Electrical, Electronics, Information	10.1109/ICEEICT53079.2022.9768593	May 2022	pp. 1-5 Trichy, India	Scopus

			and Communication Technologies, (ICEEICT)				
11	Dr. Bachu Srinivas	IODTDLCNN: Implementation of Object Detection and Tracking by using Deep Learning based Convolutional Neural Network	IEEE International Conference on Electrical, Electronics, Information and Communication Technologies, (ICEEICT)	10.1109/ICEEICT53079.2022.9768632	May 2022	pp. 1-5 Trichy, India	Scopus
12	Dr. N. Udaya Kumar	IODTDLCNN: Implementation of Object Detection and Tracking by using Deep Learning based Convolutional Neural Network	IEEE International Conference on Electrical, Electronics, Information and Communication Technologies, (ICEEICT)	10.1109/ICEEICT53079.2022.9768632	May 2022	pp. 1-5 Trichy, India	Scopus
13	Dr. Bachu Srinivas	Drivable Area and Road Anomaly Segmentation using SSLG with V-Disparity Maps	IEEE International Conference on Electronics and Renewable Systems, (ICEARS)	10.1109/ICEARS53579.2022.9752158	April 2022	pp. 1-5 Tuticorin, India	Scopus
14	Dr. N. Udaya Kumar	Drivable Area and Road Anomaly Segmentation using SSLG with V-Disparity Maps	IEEE International Conference on Electronics and Renewable Systems, (ICEARS)	10.1109/ICEARS53579.2022.9752158	April 2022	pp. 1-5 Tuticorin, India	Scopus
15	Dr. N. Srinivas	Performance of Generalized Alpha-Mu Fading for Energy Detection Based Spectrum Sensing in Presence of Channel Errors	8th IEEE International Conference on Advanced Computing and Communication Systems, (ICACCS)	10.1109/ICACCS54159.2022.9784984	June 2022	PP. 1-5, Coimbatore, India	Scopus
16	SK Hima Bindhu	Implementation of Spurious Power Suppression based Radix-4 Booth Multiplier using Parallel Prefix Adders	IEEE International Conference on Recent Trends in Computer Science and Technology, (ICRTCST)	10.1109/ICRTCST54752.2022.9781868	May 2022	pp. 1-5 Jamshedpur, India	Scopus

17	H. Sangeetha	Fungus Detection System Built in an Efficient and Modest Embedded System	IEEE International Conference on Computer Communication and Informatics (ICCCI)	10.1109/ICCCI54379.2022.9740825	Mar 2022	pp. 1-5 Coimbatore, India	Scopus
18	B. Koteshwara Rao	Gray scale Image Histogram Estimation Structure Based on FPGA	Proceedings of the 4th International Conference on Communications and Cyber Physical Engineering, Springer	https://doi.org/10.1007/978-981-16-7985-8_49	May 2022	pp 491–496 Hyderabad, India	Scopus
19	D. Malathi Rani	Food Calorie Estimation System Using ImageAI with Retina Net Feature Extraction	International Conference on Emerging Applications of Information Technology, Springer	https://doi.org/10.1007/978-981-16-4435-1_11	Aug 2021	pp. 93-102 West Bengal, India	Scopus
20	Dr.G. Amarnath	A Parallel Deep Learning Approach for Age Invariant Face Recognition system	International Conference on Computer Communication and Informatics (ICCCI)	https://doi.org/10.1109/ICCCI54379.2022.9740907	March 2022	Coimbatore, India	Scopus
21	Dr.G. Amarnath	A Simulation Study of COVID-19 Out Break as an Epidemic Disease	International Conference on Computer Communication and Informatics (ICCCI)	https://doi.org/10.1109/ICCCI54379.2022.9740742	March 2022	Coimbatore, India	Scopus
22	Dr.G. Amarnath	Artificial Neural Network Based Statistical-Analysis of High-Speed-Interconnect- Systems	2021 Fourth International Conference on Electrical, Computer and Communication Technologies (ICECCT)	https://doi.org/10.1109/ICECCT52121.2021.9616638	Sept 2021	Erode, India	Scopus
23	Biyyani Srinivasa Rao	Artificial Neural Network Based Statistical-Analysis of High-Speed-Interconnect- Systems	2021 Fourth International Conference on Electrical, Computer and	https://doi.org/10.1109/ICECCT52121.2021.9616638	Sept 2021	Erode, India	Scopus

			Communication Technologies (ICECCT)				
24	Dr.G. Amarnath	Employing Analog Circuits by Neural-Network based Multi-Layer-Perceptron	2021 Fourth International Conference on Electrical, Computer and Communication Technologies (ICECCT)	https://doi.org/10.1109/ICECCT52121.2021.9616860	Sept 2021	Erode, India	Scopus
25	Dr.G. Amarnath	Noise and IM3 Harmonics Cancelling in Two-Stage Wideband Differential LNA	2021 Fourth International Conference on Electrical, Computer and Communication Technologies (ICECCT)	https://doi.org/10.1109/ICECCT52121.2021.9616845	Sept 2021	Erode, India	Scopus
26	Dr. Bachu Srinivas	SBTHCT: Segmentation of Brain Tissues using Hybrid Clustering Technique	2021 International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT)	10.1109/RTEICT52294.2021.9573684	Aug 2021	Bangalore, India	Scopus
27	I. Adum babu	SBTHCT: Segmentation of Brain Tissues using Hybrid Clustering Technique	2021 International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT)	10.1109/RTEICT52294.2021.9573684	Aug 2021	Bangalore, India	Scopus

HOD-ECE
Department of ECE
MARRI LAXMAN REDDY
Institute of Technology and Management
(AUTONOMOUS)
Dundigal(V),Dungigal-Gandmaisamma(M)
Medchal(D), Hyderabad - 500043,T.S