CVR COLLEGE OF ENGINEERING

(An UGC Autonomous Institution with NAAC 'A' Grade Affiliated to JNTUH)

Vastunagar, Mangalpalli (V), Ibrahimpatan (M), R.R. District

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

International Journals
2021-22

S. No.	Name of the faculty	Journal name	Position of Author	Year &Month of publication	Vol No. Issue No and pages No.	Title	Indexing	DOI / Paper Link
1	Dr. T. Esther Rani	GIS Science Journal	First Author	November, 2021	Vol. 8, no. 11, pp. 1013-1022	Implementation of Microwave Oven/Kitchen Timer on FPGA	Others	https://doi.org/20.18001.GSJ.2021.V8I11.21.38271
2	Dr. K. Lal Kishore	Design Engineering	Supervisor	July, 2021	Vol. 2021, issue-6	Design,3D Electromagnetic Simulation and Implementation of Ceramic Package for Ga As based Monolithic Microwave Integrated Circuits based x band receiver application	Scopus	http://www.thedesignengineering.com/index.php/DE/article/view/4033
3	Dr. K. Lal Kishore	Journal of Automation Mobile Robotics and Intelligent Systems	Third author	Oct-21	vol. 15, pp. 32-38	Enhanced clock gating technique for power optimization in SRAM and sequential circuit	others	https://bibliotekanauki.pl/articles/2141882
4	Dr. K. Lal Kishore	International Journal of numerical modelling	second	Aug-21	vol. 34, no.4, pp. e2870	Two-dimensional simulation studies of the breakdown voltage of a p channel LDMOS	scopus	https://onlinelibrary.wiley.com/doi/epdf/10.1002/jnm.2870
5	Dr. K. Yedukondalu	Advances in Technology Innovation	Supervisor	January, 2022	vol. 7, no. 1, 2022, pp. 66-76	CPW-Fed Penta Band Monopole Antenna for Multiservice Wireless Applications	Scopus, WoS	https://doi.org/10.46604/aiti.2021.84 34
6	Dr. K. Yedukondalu	Design Engineering	Supervisor	August, 2021	2021, 7, 4623-4633	Dual-Band Rejection UWB Antenna using Gamma and U-Shaped Resonator	Scopus	http://www.thedesignengineering.com/index.php/DE/article/view/2905
7	Dr. G. Ravi Shankar Reddy	IETE Journal of Research	Second Author	August, 2021	Online First	Glaucoma Detection Using SS-QB-VMD-Based Fine Sub-Band Images from Fundus Images	Scopus, WoS	https://doi.org/10.1080/03772063.2021.1959424
8	Dr. G. Ravi Shankar Reddy	IETE Journal of Research	Second	Jan-22	vol. 68, no. 1, pp: 216-224	Compact Single Feed Dual Band Microstrip Patch Antenna with Adjustable Dual Circular Polarization	Scopus, WoS	https://doi.org/10.1080/03772063.2019.1598293
9	Dr. G. Ravi Shankar Reddy	IEEE Transactions on Nanotechnology	Third author	August, 2021	Vol. 20, pp:662-668	A Nanoplasmonic Branchline Coupler for Subwavelength Wireless Networks	Scopus, WoS	10.1109/TNANO.2021.3101981
10	Dr. P. Srinivasa Rao	International Journal of Mechanical Engineering	First Author	June, 2022	Vol. 7, No. 5, pp. 598-615	Development of a modular L-band profiler for atmospheric boundary layer and precipitation studies	Others	https://kalaharijournals.com/resources/Special_Issue_April_May_81.pdf
11	Dr. P. Srinivasa Rao	International Journal of Electronics	First Author	Jan-21	Vol. 108, no. 8, pp. 1326-1339	FPGA Implementation of Digital 3-D Image Skeletonization Algorithm for Shape Matching Applications	WoS, Scopus	https://doi.org/10.1080/00207217.2020.1859143
12	Mr. D. Bhanu Prakash	Journal of Experimental & Theoretical Artificial Intelligence, Taylor & Francis	First Author	March, 2022	pp. 1-35	A computer aided plant leaf classification based on optimal feature selection and enhanced recurrent neural network	Scopus, WoS	https://doi.org/10.1080/0952813X.2022.2046178
13	Mr. D. Bhanu Prakash	Journal of Combinatorial Optimization	First Author	Jul-21		Optimized threshold-based convolutional neural network for plant leaf classification: a challenge towards untrained data	Scopus, WoS	https://doi.org/10.1007/s10878-021-00770-w
14	Mr. L. Manjunath	wireless personal communications	First	September, 2021	volume no 123, issue 1, 619-643	Smart Backhauling for 5G Heterogeneous Network with Millimeter Wave Backhaul Links to Perform Switching Of, Interference Management and Backhaul Routing	Scopus, WoS	https://doi.org/10.1007/s11277-021-09149-w
15	Mr. L. Manjunath	ARPN journal of Engineering & Applied Sciences	First	Jun-22	vol.17, issue 11, 1196-1208	Facilitating Differential QOS Adaptive to User, Content nda Network Dynamics in mmWave Back Hauling Based 5G Heterogeneous Networks	Scopus	http://www.arpnjournals.com/jeas/volume_11_2022.htm
16	Mr. R. Ganesh	International Journal of Reconfigurable and Embedded Systems (IJRES)	Corresponding Author	November, 2021	Vol. 10, No. 3, pp. 186~194	Neural net implementation of steam properties on FPGA	Scopus	https://doi.org/10.11591/ijres.v10.i3.pp186-194
17	Mr. R. Ganesh	International Research Journal of Modernization in Engineering Technology and Science	Supervisor	February, 2022	Volume: 04/Issue: 02, Page No.136-142.	Design of smart helmet for two wheeler safety and Security application	Others	https://www.irjmets.com/uploadedfiles/paper//issue_2_february_2022/18782/final/fin_irjmets1643901493.pdf
18	Mr. B. Janardhana Rao	Concurrency and Computation: Practice and Experience	First Author	May-22	Vol. 34, no. 11, pp. e6840	MABC-EPF: Video in-painting technique with enhanced priority function and optimal patch search algorithm	Scopus, WoS	https://doi.org/10.1002/cpe.6840

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19	Mr. B. Janardhana Rao	Journal of Mobile Multimedia	First	January, 2022	Vol. 18, Issue 3, pp. 561-582	An Enhanced Video Inpainting Technique with Grey Wolf Optimization for Object Removal Application	Scopus	https://doi.org/10.13052/jmm1550-4646.1835
20	Ms. P. Hema Sree	International Journal of Mechanical Engineering	Second Author	January, 2022	Vol. 7 No. 1 January, 2022, 1281-1287	IOT-Based Prediction of Pesticides and Fruits DiseasesDetection Using SVM and Neural Networks	Scopus	https://kalah arijournals.com/resource s/141-160/IJME_V ol7.1_157.p df
21	Dr. A. Rajesh	Journal of Optical Communication	Second Author	January, 2022		QAM receiver based on light amplifiers measured with effective role of optical coherent duobinary transmitter	Scopus	https://doi.org/10.1515/joc-2021-0205
22	Dr. A. Rajesh	Journal of Applied Security Research	Fourth	November, 2021		Cluster Based Malicious Node Detection System for Mobile Ad-Hoc Network Using ANFIS Classifier	Scopus, WoS	https://doi.or g/10.1080/1 9361610.20 21.2002118
23	Dr. A. Rajesh	Biomedical Signal Processing and Control-Elsevier	Second Author	APRIL, 2022	Vol. 76	Ensemble of weighted deep concatenated features for the skin disease classification model using modified long short term memory	Scopus, WoS	https://doi.or g/10.1016/j. bspc.2022.1 03729
24	Dr. A. Rajesh	International Journal of Imaging System and Technology	Second	May, 2022	pp. 1-14	A comparative Analysis of Deep Neural Network Architectures for the Dynamic Diagnosis of COVID-19 Based on Acoustic Cough features	Scopus, WoS	https://doi.or g/10.1002/i ma.22749
25	Dr. A. Rajesh	Connection Science	Second	Jan-22	Vol. 34, no. 1, pp. 389-408	A novel cluster head selection using Hybrid Artificial Bee Colony and Firefly Algorithm for network lifetime and stability in WSNs	Scopus	10.1080/09540091.2021.2 004997
26	Dr. A. Rajesh	Silicon	Second	Jun-22		Realization of Attenuator and Amplifier Using Photonic Crystal Fiber	Scopus	10.1007/s12633-021-01231-z
27	Mr. K. Satish Reddy	Journal of Super Computing, Springer	Others	September, 2021	77	A low-area design of two-factor authentication using DIES and SBI for IoT security	Scopus, WoS	https://doi.or g/10.1007/s 11227-021-04022-w
28	Mr. K. Satish Reddy	Electronics (MDPI)	Corresponding Author	August, 2021	Vol 10 Issue 16	A Low Area High Speed FPGA Implementation of AES Architecture for Cryptography Application	Scopus, WoS	https://doi.or g/10.3390/el ectronics10 162023
29	Mr. O Venkata Krishna	International Journal of Circuit Theory and Applications	First Author	November, 2021	Volume 49, no. 11., 3653-3668	An efficient VLSI architecture of 2D FIR filter using enhanced approximate compressor circuits	Scopus, WoS	https://doi.or g/10.1002/ct a.3114
30	Mr. O Venkata Krishna	Integration, the VLSI Journal	First	May-22	Vol.84, pp. 12-25	A novel filter-bank architecture of 2D-FIR symmetry filters using LUT based multipliers	Wos, Scopus	https://doi.org/10.1016/j.vl si.2022.010.004
31	Mr. O Venkata Krishna	Journal of Mobile Multimedia	First Author	January, 2022	Vol. 18, no. 3, pp. 583–602,	Implementation of Low Power Generic 2D FIR filter bank Architecture using memory-based Multipliers	Scopus	https://doi.or g/10.13052/j mm1550- 4646.1836
32	Dr. Swapna Thouti	International Journal of Mechanical Engineering	Third author	February, 2022	Vol. 7 No. 2 ,2186-2191	Applications of Machine Learning and Auxiliary Tumor Treatment in the Process of Medical Resource Allocation	Others	https://kalaharijournals.com/resources/FebV7_I2 _262.pdf
33	Dr. Swapna Thouti	International Journal of Mechanical Engineering	Third author	February, 2022	vol no. 7 Issue no. 2 (Pg No.430-435)	Machine Learning based Face Recognition System	Others	https://kalaharijournals.com/resources/FebV7_I2 _46.pdf
34	Ms. A. Anitha	Electronics	Fifth Author	May, 2022	vol. 11, no. 10, 1653	FPGA-Based Reconfigurable Convolutional Neural Network Accelerator Using Sparse and Convolutional Optimization	Scopus, WoS	https://doi.or g/10.3390/el ectronics11 101653
35	Ms. A. Malleswari	YMER Digital	First Author	December, 2021	Vol.20, Issue 12,Page No.856-866	Precoded SLM and PTS Scheme for Reduced PAPR in OFDM for Wireless Communications	Scopus	https://doi.or g/10.37896/ YMER20.12 /77
36	Mr. K. Arun Kumar	Multimedia aTools and Applications	First	March, 2022	Vol. 81, pp.25405-25441	A computer-aided brain tumor diagnosis by adaptive fuzzy active contour fusion model and deep fuzzy classifier		

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37	Mr. K. Arun Kumar	Journal of Information Systems and Telecommunication (JIST)	First	Oct-21	vol. 9, no. 36, pp. 218-225	A Threshold-based Brain Tumour Segmentation from MR Images using Multi-Objective Particle Swarm Optimization	Scopus	
38	Mr. K. Arun Kumar	The Computer Journal	First	Oct-21	Volume 65, Issue 4, Pages 1029–1052	A Multi-Objective Randomly Updated Beetle Swarm and Multi-Verse Optimization for Brain Tumor Segmentation and Classification	Scopus, WoS	https://doi.org/10.1093/comjnl/bxab171
39	Ms. R. Prameela Devi	Wireless Personal Communications	First	November, 2021	124, 377-399	Hybrid Cuckoo Search with Salp Swarm Optimization for Spectral and Energy Efficiency Maximization in NOMA System	Scopus, WoS	https://doi.org/10.1007/s11277-021-09361-8
40	Mr. G. Ravi Kumar Reddy	International Journal of All Research Education & Scientific Methods	Supervisor	March, 2022	Volume 10 Issue 3,1385-1390	Design and Implementation of a Wearable Sensor Network System for IoT-Connected Safety and Health Applications	Others	-
41	Mr. G. Harish Babu	Multimedia Tools	First Author	May, 2022	VOL :81, Issue: 15	An efficient image dahazing using Googlenet based convolution neural networks	Scopus, WoS	https://doi.org/10.1007/s11042-022-13222-2
42	Dr. Gaurav Sharma	Innovations Journal	Supervisor	September, 2021	Vol. 66, pp. 577- 592	Accident Detection and Alert System for Medical Assistance	Scopus	https://journal-innovations.com/assets/uploads/doc/45a12-577-592-23417.pdf
43	Dr. Gaurav Sharma	Materials Today	Others	November, 2021		Food Industry: Experiencing a positive impact after goods and service tax implementation	Scopus	https://doi.org/10.1016/j.matpr.2021.11.341
44	Dr. Gaurav Sharma	Biomedical Signal Processing and Control	Second	April 2022	Vol. No. 6	Time series signal forecasting using artificial neural networks: An application on ECG signal	Scopus, WoS	https://doi.org/10.1016/j.bspc.2022.103705

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National Journals
2021-22

S. No.	Name of the faculty	Journal name	Position of Author	Year &Month of publication	Vol No. Issue No and pages No.	Title	Indexing	
1	Dr. K. Lal Kishore	CVR Journal of Science and Technology	Second Author	Dec., 2021	Volume 21, pp. 48-54	Comparative Studies on Different Radiation Hardened by Design (RHBD) Memory Cells	others	
2	Ms. Dhruva R. Rinku	CVR Journal of Science and Technology	Second Author	Dec., 2021	Volume 21, pp. 62-68	Touch-less Disinfecting Contraption using UV-C light	Others	
3	Mr. B. Janardhana Rao	CVR Journal of Science and Technology	First Author	June, 2022	Vol. 22	Video Inpainting using self-adaptive GMM with Improved Inpainting Technique	Others	
4	Mr. O Venkata Krishna	CVR Journal of Science and Technology	First Author	Dec., 2021	Vol. No. 21, Page no. 95-100	A High-Performance FIR Filter Architecture using Symmetry and Distributed Arithmetic Logic	others	
5	Ms. T. Subha Sri Lakshmi	CVR Journal of Science and Technology	First Author	Dec., 2021	Vol. No. 21, Page no. 55-61	Speculative Carry Addition Performance Improvement and Area Optimization using Modified Carry Generators	Others	
6	Dr. Gaurav Sharma	CVR Journal of Science and Technology	First Author	June, 2022	Vol. 22	Effect of Sensor Nodes amount on DV-Hop Localization Accuracy in Wireless Sensor Networks	Others	

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International Conferences
2021-22

S. No	Name of the Faculty	Conference Name	Position of the Author	Year and Month of publication	Vol. No, Issue No, and Page No.	Title	Indexing	
1	Dr. K. Yedukondalu	2021 IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON)	Supervisor	Nov., 2021		Parameter based Performance Evaluation of Deep Learning Models for Classification of CoViD and Pneumonia CT Images	Scopus	
2	Mr. L. Manjunath	IEEE International Conference on Distributed computing, Electrical circuits & Electronics	Second Author	April, 2022	pp. 1-4	Super Artificial Intelligence Medical care system with IOT Wireless sensor	Scopus	
3	Mr. G. Santhosh Kumar	International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD- 2022)	First Author	January , 2022		A Software Solution for Echo in Communications Systems		
4	Ms. G. Vijaya Nirmala	2021 2nd international conference on range technology	First Author	Nov., 2021	pp. 1-6	Approximate kalman filtering for Bayesian state estimation in nonlinear measurement models	Scopus	10.1109/ICORT52730.2021.9582108
5	Dr. Gaurav Sharma	International Conference on Trends in Engineering, Applied Sciences and Management, ICTEAM-2022	First Author	April, 2022		Outdoor Node Localization in WSN for Industry Applications		

Books/Book Chapters

2021-22

S. No	Name of the Faculty	Book/Book Chapter Name	Position of the Author	Year and Month of publica tion	Vol. No, Issue No, and Page No.	Title
1	Dr. Humaira Nishat	Transducer Engineering Made Easy	Fourth Author	June, 2022		Transducer Engineering Made Easy Publisher: Research India Publication