



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Faculty Publications 2022-23

S.No	Authors Names	Title of Paper	Details	Indexing
1.	Vineela Chandra Dodda, Lakshmi Kuruguntla , Anup Kumar Mandpura, Karthikeyan Elumalai	Simultaneous Seismic Data Denoising and Reconstruction with Attention based Wavelet-Convolutional Neural Network	IEEE Transactions on Geoscience and Remote Sensing, 61(4), April-23, ISSN: 1558-0644	SCI
2.	B.Bhaskar Reddy, M.Venkata Sudhakar , P.Rahul Reddy, P.Raghava Reddy	Ensemble deep honey architecture for COVID-19 prediction using CT Scan and Chest X-ray images	Multimedia Systems, Vol.29, Apr-23, ISSN:1432-1882	SCI
3.	KV.Vineetha, P.Rakesh Kumar , A.Narendra Babu , J. Bramaiah Naik, BTP Madhav, Sudipta Das	Investigations on Complementary Split Ring Resonator(CSRR) array integrated printed conformal band pass filters for modern wireless communication applications	Journal of Instrumentation ,17,Oct-22, ISSN:1748-0221	SCI
4.	Potula Sree Brahmanandam, G. Uma, K. Tarakeswara Rao, S.Sreedevi, N.S.M.P. Latha Devi, Yen-Hsyang chu, Jayashree Das, K. Mahesh Babu, A. Narendra Babu , Subrata Kumar Das, V. Naveen Kumar, K. Srinivas	Doppler Sodar measured winds and sea breeze intrusions over gadanki(13.5° N, 79.2° E), India	Sustainability , 15(16), Jun-23, ISSN: 2071-1050	SCI

5.	Tirunagari Anilkumar, B.T.P. Madhav, M. Venkateswara Rao, B. Prudhvi Nadh, P. Rakesh Kumar	Automotive communication applications based circular ring antenna with reconfigurability and conformal nature	International Journal of Communication Systems, Oct-22, ISSN:1099-1131	SCI
6.	Kasthuri Selvaraj, Praveen B, Sharmarke Mohamed, Satyanarayana Talam , Venkataramaiah Nutalapati	Importance of the donor unit on fluoranthene for selective detection of nitro aromatic explosives	Journal of Photochemistry & Photobiology, A: Chemistry, 433, Aug-22, ISSN:1010-6030	SCI
7.	A. Pranav Kumar, S.Hima Bindu, P.Venkateswara Rao, K.Naveen Kumar, M. Mohan Babu, T. Satyanarayana , M.Sroda, P.Syam Prasad	Structural investigations of borate incorporated germanium antimonite glasses	Results in Chemistry,4, Jul-22, 100449, ISSN:2211-7156	SCI
8.	Prathipati Rakesh Kumar , B.Y.V.N.R. Swamy, B. Siva Hari Prasad, K. Rama Krishna, A. Narendra Babu, Potula Sree Brahmanandam,	Polyimide-based flexible antenna for Telemedicine and wireless applications	Recent Advances in Electrical & Electronic Engineering, 16(4),Dec-22,PP:426-435, ISSN:2352-0965	ESCI
9.	Poornaiah Billa , Y.Srinivasa Rao	Studies on stability of polymer thick film resistors by using pulse voltage trimming method (PVTM)	Journal of Active and Passive Electronic Devices, 17 (1),May-23, ISSN:1555-029X	ESCI
10.	Ravi Kumar Kandagatla, V. Jayachandra Naidu, P.S. Sreenivas Reddy, T.V. Preethika Lahari, J. Prudhvi, K. Kavya Sri, S. Dhanush	IOT framework for monitoring the condition of roads	Journal of Engineering Science and Technology 18(1), Jan-23,100-111, ISSN:1823-4690	ESCI
11.	K.Rani Rudrama , G.Catherine Christina, R. Teja, P.Niteesh Kumar, M. Anush,	A Novel approach for Wearable Antenna Design for Biomedical applications	Transactions on Electrical and Electronic Materials, Aug-22, ISSN:2092-7592	ESCI

	K.Srinivasa Rao			
12.	S.Sreedevi, A.Narendra Babu , P.S. Brahmanandam, G.Uma, A. Praneetha, G. Anil Kumar, V.Naveen Kumar, M.P. Rao	A Study on Important Atmospheric Convective Indices and their Impacts on Aviation	European Journal of Applied Sciences 10(4)4, Aug-22, PP:136- 142, ISSN:2634-9221	ESCI
13.	A.Narendra Babu , Ch V L D Kavya, A. Praneetha, TT Sai Dhanush, TV Ramanaiah, K Nideesh, PS Brahmanandam	Smart Energy Meter	Indian Journal of Science and Technology,15(29) Jul-22,pp:1451- 1457,ISSN:0974-6846	Wos
14.	Srinivasulu Gundala , M. Mahaboob Basha, Rambabu Bus	Femto power-delay (FPD) super threshold level shifter network on chip (NoC)	International Journal of Electronics Letters,Nov- 22, ISSN: 2168-1732	Scopus
15.	Basha, Gundala Srinivasulu , Busi Rambabu, , Naishad hkumar PV	Design of Near- threshold CMOS and TG Based Adder Circuit for Computing Applications	Journal of Active and Passive Electronic Devices, 16(3) ,Dec-22 Pp:191-201, ISSN:1555- 029X	Scopus
16.	M.Venkata Sudhakar , G.K. Rajani	Implementation of 23 Gbps optical wireless link for 750 km inter- aircraft communications	Engineering Research Express, 5(1),Feb- 23,ISSN:2631-8695	Scopus
17.	M.Venkata Sudhakar , G.K. Rajani	Implementation of 10 Gbps optical wireless link for 200 Km inter- aircraft optical communications	Journal of Optical Communications,Dec- 22,ISSN:2191-6322	Scopus
18.	K.Srilatha, BTP Madhav, Krishna J, B.Y.V.N.R.Swamy , Anil Badis	Design of electromagnetic cloak with sequentially connected rectangular split ring resonators for S-band applications	AIMS Electronics and Electrical Engineering 6(4),Oct-22,pp:385- 396,ISSN:2578-1588	Scopus
19.	Pasumarthi Srinivasa Rao, Kamili Jagadeesh Babu, Bondili Siva Hari Prasad	Mutual Coupling Reduction in 4x4 MIMO Antenna	Telecommunications and Radio Engineering 82(5),Apr-23,pp:47-57	Scopus
20.	Rajesh Singh, Ramapati Mishra, Richa, P.	Design of FIR Filter under Frequency Domain Responses,	International conference on Innovative Computing, Intelligent	Scopus Conf. Proc

	Venkateswara Rao, Gopinathan, Mohammed Khadim, of Technology (Autonomous), Chennai, India July 2022, 377-379		Communication and Smart Electrical Systems(ICSES-022), Oct-22, 377-379	
21.	Amar Babu Yandrapati, Venkata Krishna Pratap Reddy Singam, Banbhushan Namburu, Venkatesh Paladugu, Tirumala Krishna Karakula	Design of a smart embedded vision system based on FPGA for medical applications	2023 4 th International Conference on Signal processing and communication , May-23, ISBN:979-8-3503-0077-2	Scopus Conf. Proc
22.	P. James Vijay, A. Madhuri, G. Madhu Sri, Y. Sri Venkata Siva Naga Prasad	A Survey on IOT based air pollution monitoring system	2023 4 th International Conference on Signal processing and communication, May-23, ISBN, 979-8-3503-0077-2	Scopus Conf. Proc
23.	B.Y.V.N.R. Swamy, V. Sathvika, V. Venkatesh, K. Narendra Reddy	A miniaturized metasurface based dielectric resonator antenna for wireless communications	2023 4 th International Conference on Signal processing and communication , May-23, ISBN-979-8-3503-0077-2	Scopus Conf. Proc
24.	Rajesh Singh, Virender Khurana, M.Sambasiva Reddy , Ranjeet Yadav, Rachit Jangir, Dhiraj Kapila	Wireless Communication Design Using Neural Networks and Deep Learning	International conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems(ICSES-022), Oct-22, Pp:317-322	Scopus Conf. Proc
25.	Kapil Joshi, Virender Khurana, Ch.Siva Rama Krishna , Mohammed Azam, Yashpal Sing, Lalit Johari	Smart Routing System in Wireless Sensor Networks	International conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems(ICSES-022), Oct-22, Pp:323-328	Scopus Conf. Proc
26.	Gopi Krishna Rao P.V, Hanuma Naik R, Anil Kumar M, Mahesh M,	Simplified Design of IMC Tuned PID Controller for Integrating Process	4 th International Conference on Communication and Computational	Scopus Conf. Proc

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27.	Srinivasulu Gundala , KVN Divya Sri, M Sandhya Devi, G Prasad, B. Rakesh	Development of Vehicle Safety Control for the anticipation of Accidents using Intelligence process	3 rd International Conference on Electronics and Sustainable Communication Systems(ICESC 2022), Sep-22	Scopus Conf. Proc
28.	G L N Murthy,Shaik Mastan Vali , V. Anil Kumar, S.Satyanarayana Reddy, V Ashok	A Secured GUI based flexible automated system for face recognition and suspicious behaviour prediction	7 th International Conference on Communication and Electronic Systems(ICCES-2022) ,Jul-22	Scopus Conf. Proc
29.	E.V. Krishna Rao , N. Yaswanthkumar Reddy, B.V.S.S.Greeshma, Y.S.S. Vardhan Reddy	EEG based Smart Wheelchair for disabled persons using Non-Invasive BCI	International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES),Aug-22	Scopus Conf. Proc
30.	Talam Satyanarayana , SLS IswarysVinjamuri, Siva Keerthi Ravuru, Padmaja Nirmala, Phala Chandra	Modelling Investigations on Efficiency of Miniaturized Piezoelectric Energy Harvester	IEEE Second International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies(ICACET 2022),Jul-22	Scopus Conf. Proc
31.	Talam Satyanarayana , Shaik Haniff, Shaik Ayesha Begam, Dhruva Kollu	Design and Displacement sensitivity analysis of microscale piezoresistive cantilever	IEEE Second International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies(ICACET 2022),Jul-22	Scopus Conf. Proc
32.	Venkat Rao Pasupuleti, M. Surya Pravalika, K. Spandana, Syed Jala	An IoT based Embedded System for Monitoring and Control of Greenhouse parameters	2022 3 rd International Conference on Smart Electronics and Communication (ICOSEC),Nov-22	Scopus Conf. Proc
33.	G L N Murthy,Shaik Mastan Vali , V. Anil Kumar, S.Satyanarayana Reddy, V Ashok	A Secured GUI based flexible automated system for face recognition and suspicious behaviour prediction	7 th International Conference on Communication and Electronic Systems(ICCES-2022),Jul-22, ISSN:1638-1644	Scopus Conf. Proc

34.	G. L. N. Murthy, G. Phawahan Saii, T. Pavani and J. Lalith Mohan	A machine learning based framework for classification of neuromuscular disorders	2022 IEEE 1st International Conference on Data, Decision and Systems (ICDDS),Feb- 23	Scopus Conf. Proc
35.	M.K. Lingamurthy, P. Bindu Madhavi, K. Vamsi, Syed Asif Ahamed	Implementation and Analysis of Image Steganography using Convolution Neural Network	International Interdisciplinary Humanitarian Conference for Sustainability (IIHC- 2022),Mar-23,ISBN: 978-1-6654-5687-6	Scopus Conf. Proc
36.	M. Venkata Sudhakar, V. Sowjanya, V.V. ranga Sai, O.Sudheer Kumar, V. Bhargava	Development of Embedded Assistive Smart Helmet for bike riding using intelligent processor	2022 International Conference on Smart and Sustainable Technologies in Energy and Power Sectors (SSTEPS),May- 23, ISBN:978-1-6654- 6415-4	Scopus Conf. Proc
37.	Poornaiah Billa, Konatham Mounika, Popuri Sindhura, Venkata Swapna, Devarapalli Anitha	IoT based Efficient Detection of Covid-19 using Deep Learning Algorithms	First International Conference on Smart and Sustainable technologies in Energy and Power Sectors-22 (SSTEPS- 2022),May-23,ISBN: 978-1-6654-6414-7	Scopus Conf. Proc
38.	B.Ramesh Reddy, Tejaswi T, Naveen P, Giresh J, Vamsi B	Optimising the Detection of Fake news in multilingual exposition using machine learning,	7 th International conference on Intelligent Computing and Control Systems (ICICCS-2023), at Vaigavi College of Engineering, Madurai,May- 23,ISBN:979-8-3503- 9725-3	Scopus Conf. Proc
39.	T.Anil Raju, V.Jayanth, S. Gayathri, T. pavan Kalyan	Breast Cancer Segmentation with preprocessing and DNN	International Journal of Engineering Research & Technology, 12(3),Mar- 23, pp:420-425,ISSN: 2278-0181	Open Access
40.	Y. Amar Babu, S.V.K. Pratap Reddy, N. Banbhushan, P. Venkatesh, K. Tirumala Krishna	Design and Implementation of FPGA based Smart Embedded Vision System for Biomedical Applications	International Journal of Innovative Engineering and Management Research, 12(2),Feb-23 Pp:332-336,2456-5083	Open Access
41.	Amar Babu.Y, Lakshmi Neeraja Nalluri, Swaroop	Performance Analysis of on Chip Interconnects for ASIC	International Journal of Scientific Research in Engineering and	Open Access

	Dharavathu, Pavani Uppala	Design	Management (IJSREM) 7(3),Mar-23,ISSN: 2582-3930	
42.	B.Siva Hari Prasad, K. Swathi, K.V.N. Vijay,	Novel Automatic Video Surveillance System for pedestrian crossing using machine learning,	4th International conference on communication and information processing (ICCIP-2022), SSRN, Dec-22	Scopus Conf. Proc
43.	B Siva Hari Prasad , M.V.S. Prasad in	Design and Analysis of compact Tri-band Antenna using defected ground structure for wireless application	4th International Conference on communication and information processing (ICCIP-2022), SSRN., 22-Dec	Scopus Conf. Proc
44.	Lachi Reddy Poreddy , Harish Gannavarapu, Sai Bhaskara Pavan Kumar Valavala, Saran Babu Seera	A system which procures attendance by using face recognition and raspberry pi	2022 International Conference on Smart and Sustainable Technologies in Energy and Power Sectors (SSTEPS), May-23, ISBN:978-1-6654-6414-7	Scopus Conf. Proc