



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Publications for the Academic Year A.Y. 2021-22 (till date)

(SCI/WOS- 11 , SCOPUS- 20, SCOPUS Conf. Proc-4)

1. Journal Publications:

S.No	Name of the author/s	Title of paper	Name of journal	Indexing
1.	D.Venu, A.V.R. Mayuri, S. Neelakandan, G.L.N. Murthy , N. Arulkumar, Nilesh Shelke	An efficient low complexity compression based optimal homomorphic encryption for secure fiber optic communication	Optik,252, 168545, Dec-21, ISSN: 0030-4026, DOI: 10.1016/j.jlleo.2021.168545	SCI
2.	Srinivasulu Gundala , M Mahaboob Basha, V Madhurima, N. Praveen, S. Venkatesh Kumar	An Experimental Performance on Solar Photovoltaic Thermal Collector with Nanofluids for Sustainable Development	Journal of NanoMaterials, 2021, Oct-21, ISSN: 1687-4129, DOI: 10.1155/2021/6946540	SCI
3.	Ravindranadh Koutavarapu, N. Umakanth, T. Satyanarayana , M. Seshu Kumar, M.C. Rao, Dong-Yeon Lee, Jaesool Shim	Study of statistical estimated parameters using ERA5 reanalysis data over Khulna Region during Monsoon Season	Acta Geophysica , 69(5), Aug-21, ISSN: 1963-1978, pp. 1963-1978 , DOI: 10.1007/s11600-021-00662-x	SCI
4.	Kumar Neeraj, Mohammed Mahaboob Basha, Srinivasulu Gundala	Design of low power SRAM-based ubiquitous sensor for wireless body area networks	International Journal of Pervasive Computing and Communications,17(5), pp.611-621 Oct-21, ISSN: 1742-7371, DOI: 10.1108/IJPCC-05-2021-0107	ESCI

5.	E.V. Krishna Rao, N. Alekhya, K.Rupa, M. Sai Sujith, Sk Abdulla Aman Ahmed	Intelligent Traffic Control System using ARM7 Controller and Image Processing Techniques	Revista Geintec- Gestao Inovacao E Tecnologias, 11(4), 22-07-2021, pp:2726-2735, ISSN: 2237- 0722 DOI: <a href="https://doi.org/10.47059/revistag
eintec.v11i4.2314">10.47059/revistag eintec.v11i4.2314	ESCI
6.	Y.S.V. Raman, P. Suresh, P. Jnana Sudheer, P. Prudhvi, S.Gopi, A. Narendra Babu	Smart Crop Monitoring and Automatic Irrigation System using Machine Learning and IoT	Revista Geintec- Gestao Inovacao E Tecnologias, 11(4), 22-07-2021, pp:2747-2757, ISSN: 2237- 0722 DOI: <a href="https://doi.org/10.47059/revistageint
ec.v11i4.2316">10.47059/revistageint ec.v11i4.2316	ESCI
7.	Kandagatla Ravi Kumar, Cheeli Priyadarshini, Kanakam Bhavani, Ankam Varun Sundar Kumar, Palanki Naga Nanda Sai	Design of High Speed and Low Area Confined Multiplie on FPGA	Revista Geintec- Gestao Inovacao E Tecnologias, 11(4), 22-07-2021, pp:2736-2746, ISSN: 2237- 0722 DOI: <a href="https://doi.org/10.47059/revistageint
ec.v11i4.2315">10.47059/revistageint ec.v11i4.2315	ESCI
8.	M. Sivasankara Rao, K. Tejasree, P.Sathwik, P.Sandeep Kumar, M.Sailohith.	Real Time Face Mask Detection and Thermal Screening with Audio Response for COVID-19	Revista Geintec- Gestao Inovacao E Tecnologias, 11(4), 22-07-2021, pp:2703-2714, ISSN: 2237- 0722 DOI: <a href="https://doi.org/10.47059/revistageint
ec.v11i4.2311">10.47059/revistageint ec.v11i4.2311	ESCI
9.	B.V.N.R. Siva Kumar, B. Vasanthi, K. Pravallika, A.V. Amar Sai Kumar, K. Kiran	Development of Wearable Vest for Monitoring Body Health Parameters	Turkish Journal of Physiotherapy and Rehabilitation, 32(3), pp:11501-11506, ISSN: 2651-4451	ESCI
10.	Linga Murthy M.K, Macharla Gowtham, Marakapudi Priyanka, Degala Mohit, Pavan Gurijala	Low Cost Intelligent Smart Glasses for Visually Challenged Persons	Turkish Journal of Physiotherapy and Rehabilitation, 32 (3), pp:11496-11500, 2651-4451 (Print) 2651-446X (e- ISSN)	ESCI
11.	M.V.L. Bhavani, Nemalidinne Rajamohan Reddy, Thota Gayatri,	Customer Analytics using K- Means Clustering and Elbow Modelling with Product Associative Analysis using	International Journal of Aquatic Sciences, 12(3), pp:156-164, ISSN: 2008-8019	ESCI

	Shaik Roshan, V. Chandra Sekhar	Unsupervised Machine Learning		
12.	A.H.S.S.V. Prasad, Y. Amar Babu	Design and Implementation of High Speed and Securable FFCKBA	Design Engineering, 2021(6), pp.7359-7367, July 2021, ISSN: 0011-9342	SCOPUS
13.	Y.S.V. Raman, M. Madhusudhan, A. Srikanth Reddy, M. Sri Harshavardhan, S. Babykavyasree	Instant Automobile Crash Recognition System	International Journal of Future Generation Communication and Networking, 14(1), 10-07-2021, pp: 3096-3103, ISSN:2233-7857	SCOPUS
14.	Srinivasulu Gundala, N.Meghana Preethi, G. Tejaswini, Ch. Gayathri, A. Harshavardhan Reddy	Smart Door System with Thermal Screening and Mask Detection for Covid-19 Rehabilitation	Design Engineering, Aug 2021, ISSN: 0011-9342	SCOPUS
15.	P.Venkateswara Rao, Ch.Siva Rama Krishna, M.Sambasiva Reddy, S. Barathi, Ashwini	Design of 2-port MIMO Antenna for 5G Communications	Design Engineering, 2021(6), pp. 4970-4977, ISSN: 0011-9342, Aug-21	SCOPUS
16.	T.Kalpana, V. Yaswanth Naveen, Y.Manasa, N.Naveen Reddy	A High Flexible Low-Latency Memory based 5g FFT Processor	International Journal of Future Generation Communication and Networking, ISSN: 2233-7857	SCOPUS
17.	B. Ramesh Reddy, T.Sowjanya, N. Bala Subrahmanyam, G. Mahantesh, S. Prudhvi	IoT based Smart Protective Equipment for Women	Materials Today Proceedings, July 2021 (Online) ISSN: 2237-0722 DOI: 10.1016/j.matpr.2021.07.058	SCOPUS
18.	M. Venkata Sudhakar, A.V. Anoor Reddy, K. Mounika, M.V. Sai Kumar, T. Bharani	Development of Smart Parking Management System	Materials Today: Proceedings, July 2021 (Online) ISSN: 2237-0722 10.1016/j.matpr.2021.07.040	SCOPUS

19.	M. Venkata Sudhakar, M. Prabhu Charan, G. NagaPranai, L. Harika, P.Yamini	Audio Signal Noise Canceleation with Adaptive filter tehniques	Materials Today: Proceedings, July 2021 (Online) ISSN: 2237-0722, 10.1016/j.matpr.2021.07.080	SCOPUS
20.	Poornaiah Billa, K Venkatesh, J. Venkata Sai, K. Lohith, A. Sampath Kumar	Effective Monitoring and Proteting system for agriculture farming using IoT and Raspberri pi	Materials Today: Proceedings, July 2021 (Online) ISSN: 2237-0722, 10.1016/j.matpr.2021.07.065	SCOPUS
21.	Satyanarayana Talam, Nikhitha Y, Ch. Neeraj Kumar, K. Jeevan Naga Sai, V. Lohitha	Optimization of bimorph cantilever based piezoelectric energy harvester for high efficiency	Materials Today: Proceedings, 14-07- 2021 (Online) ISSN: 2237-0722, 10.1016/j.matpr.2021.07.054	SCOPUS
22.	P. Prasanth, Satyanarayana Talam, Buthanapalli Ramakrishna, Gunnam Nagaraju, Rambabu Busi, M.C.Rao, Venkataramanaiah Nutalapati	Dielectric Investigations on metal(Ni and Cu) tetrahydroxy phenyl porphyrins in PMMA polymer matrix.	Material Today Proceedings, 50 pp.371-374, ISSN: 2237-0722, DOI: DOI:10.1016/j.matpr.2021.10.027	SCOPUS
23.	Pavani Kollamudi, Bhargavi Koduru, Bharathi Poranki, Madhu Priya Golla	Smart Virtual Assistant	Materials Today: Proceedings, July 2021 (Online) ISSN: 2237-0722, DOI: 10.1016/j.matpr.2021.07.303	SCOPUS
24.	A. Om Venkat Pavan Kumar, D. Nandini, M. Manobi Sairam, B.P. Madhusudhan	Development of GPS & GSM based advanced system for tracking vehicle speed violations and accidents	Materials Today: Proceedings, 14-07- 2021 (Online) ISSN: 2237-0722, 10.1016/j.matpr.2021.07.051	SCOPUS
25.	P. Lachi Reddy, Sk.Sabiha, K.Jaswitha, P.Dinesh, V.Naveen	Optimized garbage segregation and monitoring system	Materials Today Proceedings, 06/08/2021, 10.1016/j.matpr.2021.07.256	SCOPUS
26.	P. Lachi Reddy, V. Divya, D.Swapna, D.Chinmayi Srinija, M. Rajesh	Smart Traffic Controlling System	Materials Today Proceedings, 04/08/2021, DOI: 10.1016/j.matpr.2021.07.365	SCOPUS

27.	V. Ravi Sekhara Reddy, B.V. Naga Sai, N. Venkata Pavan Kumar, S. Sai Vardhan Reddy, B. Sai Kathyayani	Design of Dipole Aerial by using COMSOL Multi Physics Software	Materials Today: Proceedings, 06-08- 2021, ISSN: 2237-0722, 10.1016/j.matpr.2021.07.278	SCOPUS
28.	M.C.Rao, N.Umakanth, T.Satyanarayana, B.T.P. Madhav	Seasonal Variations of Lightning Activity over Uttar Pradesh during 1998	AIP Conference Proceedings, ISSN: 1551-7616, 05 August 2021	SCOPUS
29.	N.Umakanth, T.Satyanarayana, B.T.P. Madhav, M.C.Rao	Study of rainfall over patna region, India during 2013	AIP Conference Proceedings, ISSN: 1551-7616, 05 August 2021	SCOPUS
30.	V. Ravi Sekhara Reddy, B.V. Naga Sai, N. Venkata Pavan Kumar, s. Sai Vardhan Reddy, B. Sai Kathyayani	Design of Dipole Aerial by using COMSOL Multi Physics Software	Materials Today: Proceedings, 06-08- 2021, ISSN: 2237-0722, 10.1016/j.matpr.2021.07.278	SCOPUS
31.	A.Uday Kumar, D. Sai Ganesh, T. Vamsi Krishna, B. Sashank, T. Satyanarayana	Modeling and Investigation on Mixing characteristics of T & Y- Shaped Micromixers for Microfluidic devices	Materials Today: Proceedings, 06-12- 2021, ISSN: 2237-0722, 10.1016/j.matpr.2021.07.278	SCOPUS

2. Conferences:

S.No	Authors	Title of Paper	Conference Details	Indexing
1.	M. Mahaboob Basha, G. Srinivasulu, G. Ganesh Kumar	Performance Analysis of CMOS, PTL and GDI Based Braun Multiplier for Signal Processing Applications	6 th IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2021), Sri Venkateshwara College of Engineering, Bengaluru, Karnataka from 27/08/2021 to 28/08/2021	SCOPUS

2.	Jahn timer Nanderi, Ravi Kumar Kandagatra, R. Tejaswini, M. Krupakar, P. Haveela	Speech Enhancement Techniques and its Implementation	6 th IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2021), Sri Venkateshwara College of Engineering, Bengaluru, Karnataka from 27/08/2021 to 28/08/2021	SCOPUS
3.	R. Tejaswini, Ravi Kumar Kandagatra, Jahn timer Nanderi, M. Krupakar, P. Haveela	Subspace and Frequency Domain Speech Enhancement Techniques	6 th IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2021), Sri Venkateshwara College of Engineering, Bengaluru, Karnataka from 27/08/2021 to 28/08/2021	SCOPUS
4.	Venkat Rao Pasupuleti, K.Y. Sai Priya, N. Nihari, P.M.L. Narayana Gupta, D. Nagendra Kumar	Cloud Computing based User Cum Eco-Friendly smart Parking Lot	2021 Fifth International Conference on I-SMAC, from 11-11-2021 to 13-11- 2021, at SCAD Institute of Technology, Palladam, India	SCOPUS