



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 2020-21

1. Journal Publications:

S.No	Names of the Author	Title of the Paper	Name of the Journal	Indexing
1.	Vemireddy Kavya Y. Amar Babu	Design of Energy Efficient Feature Map Encoding Scheme using MLC STT RAM Memory Management	Journal of Critical Reviews Vol. No- 7 Issue- 16 pp.2191-2196 ISSN- 2394-5125 DOI No- 10.31838/jcr.07.16.276 July-2020	Scopus
2.	Bahnu Konda Srinivasulu Gundala	Design and Analysis of 4x4 SRAM Array using 22nm Technology	Journal of Critical Reviews Vol. No- 7 Issue- 16 pp.2176-2183 ISSN No- 2394-5125 DOI No- 10.31838/jcr.07.16.276 July-2020	Scopus
3.	Nunna Swathi P. Lachi Reddy	Design of Advanced and Automatic Water Level Meter for Alerting Population About Floods	Journal of Critical Reviews Vol. No- 7 Issue- 16 pp.2233-2238 ISSN No- 2394-5125 DOI No- 10.31838/jcr.07.16.276 July-2020	Scopus
4.	Srinivasulu Gundala, Kommu Siddhartha Mavovara Kumar, Kona Naga Nandini, Sravani Gantala, J. Ravi Sankar	Development of Optimized Voltage Level Shifter for Nanoscale Applications	ARPJ Journal of Engineering and Applied Sciences Vol No-15 Issue- 14, pp.1552-1556 ISSN No- 1819-6608 July-2020	Scopus

	Varma Chakrala Navya			
5.	R.V.N.S.B. Bharath, U. Moinuddin Khan, P. Ramprasad, Talam Satyanarayana, G. Anusha Reddy, M.C. Rao	Modeling of Dielectrhoretic Seperation Platelets from Red Blood Cells	Journal of Critical Reviews Vol No-7 Issue-16 pp-32-39 ISSN:2394-5125 July 2020	Scopus
6.	Ravi Kumar Kandagatla, Venkata Subbaiah Potluri	Performance Analysis of Neural Network, NMF and Statistical Approaches for Speech Enhancement	International Journal of Speech Technology Vol. No-23 Issue-4 pp-917-937 ISSN No-1381-2416 DOI- 10.1007/s10772-020- 09751-6 September-2020	ESCI, Scopus
7.	D. Ram Sandeep, N. Prabhakaran, B.T.P. Madhav, K.L. Narayana, P. Rakesh Kumar	Systematic Investigation from Material Characterization to Modeling of Jute- Substrate-Based Conformal Circularly Polarized Wearable Antenna	Journal of Electronic Materials Vol. No-49 Issue-12 pp-7292-7307 ISSN No-0361-5235 DOI: 10.1007/s11664-020- 08536-6 October-2020	SCI, Scopus
8.	Bhushan Babu N, Krishna Rao E.V, Murthy K.S.N	Inter-gateway Handoff Management using Ant Colony Optimization (ACO) for Wireless Mesh Networks	International Journal of Engineering Trends and Technology Vol. No-68 Issue-11 pp-63-71 ISSN No-2349-0918 DOI: 10.14445/22315381/IJETT- V68I11P208 November-2020	Scopus
9.	Bhushan Babu N, Krishna Rao E.V, Murthy K.S.N	Mobile Cluster Head based Routing Protocol to Improve Lifetime of Wireless Mesh Network	Journal of Green Engineering Vol. No-10 Issue-11 pp-11360-11370 ISSN No-1904-4720 November-2020	Scopus

10.	Bhushan Babu N, Krishna Rao E.V, Murthy K.S.N	Minimum Cost, Minimum Interference and Minimum Load (M3) Gateway Deployment Algorithm for Multi-Radio Multi- Channel Wireless Mesh Networks	International Journal of Engineering Research and Technology Vol. No-13 Issue-12 pp-4222-4229 ISSN No-0974-3154 November 2020	Scopus
11.	Bondili Siva Hari Prasad, M.V.S. Prasad	U Shaped Slot and Spiral Shaped Monopole Antenna with Defected Ground Structure for Wireless Applications	Solid State Technology Vol. No-63 Issue-5 pp- 3077-3089 ISSN No- 0038-111X November 2020	Scopus
12.	A. Guruva Reddy, M. Madhavi, P. Rakesh Kumar	Compact Slotted Multipatch Antenna with Defected Ground Structure for Wireless Communication	Journal of Physics: Conference Series Vol. No-1706 Issue-1 pp-012150 ISSN No- 1742 6588 December-2020	Scopus
13.	Y.Srinivasa Rao, K.V. Subrahmanyam, B. Poornaiah, B. Rambabu	The Effect of Microwave Trimming on Electrical and Stability Characteristics of Polymer Thick Film Resistors	Journal of Active and Passive Vol. No-15 Issue-3 pp- 223-242 ISSN No- 1555-0281 December-2020	ESCI
14.	Venkat Rao Pasupuleti, Ch. Balaswamy	Performance Analysis of Fractional Earthworm Optimization Algorithm for Optimal Routing in Wireless Sensor Networks	EIA Endorsed Transactions on Scalable Information Systems DOI: 10.4108/eai.21-4-2021.169419 April 2021	ESCI
15.	Poornaiah Billa, Kiran Kumar Gopathoti, Shamili Srimani Pendyala, Mulinti Narendra	Relocation of 5G Network in Mobile Device for Effective Carrier Frequency	Turkish Journal of Physiotherapy and Rehabilitation Vol. No-32 Issue-2	SCOPUS

	Reddy	Distribution	pp- 1138-1149 ISSN No- 2651-4451 April 2021	
16.	Ketavath Kumar Naik, M.Suman, E.V. Krishna Rao	Design of Complementary Split ring resonators on elliptical patch antenna with enhanced gain for tetrahertz applications	Optik Vol. No-243 ISSN: 0030-4026 DOI: 10.1016/j.ijleo.2021.167434 June 2021	SCI

2. Conferences:

S.No	Authors	Title of Paper	Conference Details	Indexing
1.	J. Babu, B. Ramesh Reddy , J. Doondi Kumar, N. Siva Govind, Baji Babu Mutte	Shaped beams for circular aperture antennas	Proceeding of the First International Conference on Intelligent Computing in Control and Communication (ICCC 2020) Part of the Lecture Notes in Electrical Engineering book series (LNEE) DOI: 10.1007/978-981-15-8439-8_15 Online ISBN: 978-981-15-8439-8	Scopus