Department of Electronics and Communication Engineering

R & D and Consultancy Activities

Academic Year 2021-2022
Research Publications (Conference papers/Posters)

Sl. No.	Name of the Faculty as Author	No of Authors	Main Author/ others	Title of the Paper	Name of the Conference	Date/s	Organized by with location	ISBN /ISSN Number	URL/ DOI
1.	P. SWARNALATHA	4	OTHERS	DESIGN & IMPLEMENTATION OF MICROSTRIP ARRAY PATCH ANTENNA FOR 5G COMMUNICATION	**ICACET 2021**	OCT 22-23,2021	ACET, SURAMPALEM		
2.	P. SWARNALATHA	4	MAIN AUTHOR	A NOVEL ARDUINO BASED SELF DEFENSE SHOE FOR WOMEN SAFETY AND SECURITY	**ICISSC 2021**	SEP 24-25,2021	MALLAR EDDY UNIVERSITY, HYDERABAD		
3.	N.V. Lalitha	3	Others	Machine Learning-Based Method for Recognition of Paddy Leaf Diseases	International Conference on Computational Intelligence and Sustainable Technologies	28th -30th October, 2021	NIT Silchar & NIT Sikkim	978-981-16-6893-7	https://doi.org/10.1007/978-981-16-6893-7_39
4.	N.V. Lalitha	2	Main Author	Multiple feature based tomato plant leaf disease classification using SVM classifier	3rd International conference on Machine Learning, Image Processing, Network	11th – 12th December 2021	NIT Raipur		

				security and Data Science (MIND-2021)				
5.	M. DHANA LAKSHMI BHAVANI	3	MAIN AUTHOR	Ada-Boost learning based recognition of hand gesture for deaf dumb with American sign language (ASL)	**ICACET 2021**	OCT 22-23,2021	ACET, SURAMPALEM	
6.	M. DHANA LAKSHMI BHAVANI	3	2nd author	Deep CNN based model for the detection and classification of glaucoma using fundus images	**ICACET 2021**	OCT 22-23,2021	OCT 22-23,2021	
7.	M. DHANA LAKSHMI BHAVANI	4	4th author	Hybrid algorithm approach for performance improvement in brain tumor segmentation and classification	ICIRET-2021	30/09 /2021		
8.	T.ANJAIAH	4	Others	Study of Architecture and Performance Analysis of approximation Multipler	ICMEET 2021	27th & 28th August, 2021	Bhubaneswar Engineering College Bhubaneswar, Odisha,	
9.	P.RAMESH KUMAR	5	Others	A Deep Learning based Autonomous Attendance System	ICACET 2021	OCT 22-23,2021	OCT 22-23,2021	
10.	A B Siddique	6	Main	Up-conversion and Tunable Up-conversion Emission from Nitrogen Functionalized Graphene Quantum Dots	International Conference of Multidisciplinary Aspects of Materials in Engineering	8 -9 October 2021	Panjab University, Chandigarh	1757-899X	https:// iopscience.iop .org/art icle/10. 1088/1 757-899X/1

11.	A B Siddique	2	Main	Excitation dependence and independence of photoluminescence in 0D-Carbon nanostructure: Insights into the mechanism of emission	C-MEMS 2021: Microstructure, Shapes, and Applications in Carbon	13-15 September 2021	Karlsruhe Institute of Technology, Germany	-	-
12.	Dr. T.S. KARTHIK	6	FIRST	Evolutionary Optimization Algorithm on content-based Image Retrieval system using Hand crafted Features with Squeeze Networks	Proceedings of the Second International Conference on Artificial Intelligence and Smart Energy (ICAIS-2022)	23-25 FEB 2022	JCT COIMBATORE	-	https://ieeexplore.ieee.org/document/9742766
13.	V.preethi	4	FIRST	DESIGN & IMPLEMENTATION OF MICROSTRIP ARRAY PATCH ANTENNA FOR 5G COMMUNICATION	ICACET 2021	OCT 22-23,2021	ACET, SURAMPALEM		
14.	V.preethi	4	SECOND	A NOVEL ARDUINO BASED SELF DEFENSE SHOE FOR WOMEN SAFETY AND SECURITY	ICISSC 2021	SEP 24-25,2021	MALLAR EDDY UNIVERSITY, HYDERABAD		
15.	V.preethi	4	SECOND	Exploration of Circularly Polarized Microstrip Antenna for RFID, Biomedical and Satellite Applications					
16.	G. Sattibabu	4	Others	A NOVEL ARDUINO BASED SELF DEFENSE SHOE FOR	ICISSC 2021	SEP 24-25,2021	MALLAR EDDY UNIVERSITY, HYDERA		

				WOMEN SAFETY AND SECURITY			BAD		
17.	Mr. G A Arunkumar	2	MAIN AUTHOR	Single precision floating-point multiplier design using Quantum-dot Cellular Automata with power dissipation analysis		29th to 31st July 2021	MGIT, HYD		
18.	P. Anantha Sravanthi	3	MAIN AUTHOR	Evolution in Analysis and Detection of Brain Tumor	RIACT 2021	23/09/2021 to 25/09/2021	VIT, Chennai		
19.	Inakoti Ramesh Raja	3	MAIN AUTHOR	Smartcane: Hazard detection and alerting visually impaired with emergency communication system to unite custodian	ICACET 2021	OCT 22-23,2021	ACET, SURAMPALEM		
20.	Inakoti Ramesh Raja	3	MAIN AUTHOR	A survey on wireless body area network implementation simulator	ICACET 2021	OCT 22-23,2021	ACET, SURAMPALEM		
21.	Inakoti Ramesh Raja	3	MAIN AUTHOR	Post processing multipath error alleviation method using dual frequency GPS receivers observables	ICACET 2021	OCT 22-23,2021	ACET, SURAMPALEM		
22.	K L V Prasad	6	Main	Up-conversion and Tunable Up-conversion Emission from Nitrogen Functionalized Graphene Quantum Dots	International Conference of Multidisciplinary Aspects of Materials in Engineering	8 -9 October 2021	Panjab University, Chandigarh	1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/1225/1/012025

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

STUDENT CONFERENCE PUBLICATIONS

2021-22

S.no	Name of Authors	Name of Faculty Author	Title of Paper	Title of Proceedings/Journal	Details of Proceedings/Journal	Year of Publication	DOI	Name of Conference	Date of Conference	Venue of Conference
1	S. K. Hajara Munvara Siddiqa	K Apurva	Documentation on Smart Home Monitoring Using Internet of Things	ICCCE 2020 Proceedings of the 3rd International Conference on Communications and Cyber Physical Engineering	Springer Page no 1115-1124	2021	https://doi.org/10.1007/978-981-15-7961-5_103	2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020)	16th-17th December, 2019	CMR College of Engineering & Technology, Hyderabad
2	M. Achyuth Ram	K Kalyani	A review on finding optimum paths with genetic and annealing algorithms	Advances in Systems, Control and Automations	Springer , pp. 15-21	2021	DOI:10.1007/978-981-15-8685-9_2	2nd International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAEERE-2020)	5th-6th March 2020	Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Bhubaneswar
3	Ashok Kumar Kona	R Anil Kumar	Wireless powered uplink of NOMA using Poissions cluster process with two orthogonal signal sets	ICCCE 2020, Lecture Notes in Electrical Engineering 698	Springer pp. 1105-1113	2021	https://doi.org/10.1007/978-981-15-7961-5_102	2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020)	16th-17th December, 2019	CMR College of Engineering & Technology, Hyderabad
4	Geetanjali Gundabathula	K Parvateesam	Implementation of Cloud Based Traffic Control and	ICCCE 2020, Lecture Notes in	Springer pp 1125-1134.	2021	https://doi.org/10.1007/978-981-15-7234-0_61	2nd International Conference on Advances in	16th-17th December, 2019	CMR College of Engineering

			Vehicle Accident Prevention System	Electrical Engineering 698				Computing and Communication Technology (ICCCE-2020)		& Technology, Hyderabad
5	Satish Nimmakayala, Bhargav Mummidi	K Parvateesam	Modern Health Monitoring System Using IoT	ICCCE 2020, Lecture Notes in Electrical Engineering 698	Springer pp. 1135-1144	2021	https://doi.org/10.1007/978-981-15-7961-5_105	2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020)	16th-17th December, 2019	CMR College of Engineering & Technology, Hyderabad
6	Pasupuleti.Sai Deepthi ,Vura Sai Priyanka	R Anil Kumar	Review of 5G Communications Over OFDM and GFDM	ICCCE 2020, Lecture Notes in Electrical Engineering 698	Springer pp. 861-869	2021	https://doi.org/10.1007/978-981-15-7961-5_81	2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020)	16th-17th December, 2019	CMR College of Engineering & Technology, Hyderabad
7	B. Venkata Dharani	Sneha M. Joseph	Booth multipler: the systematic study	ICCCE 2020, Lecture Notes in Electrical Engineering 698	Springer pp. 943-956	2021	https://doi.org/10.1007/978-981-15-7234-0_61	2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020)	16th-17th December, 2019	CMR College of Engineering & Technology, Hyderabad
8	Krishna pavani karri	R Anil Kumar	Multi-point data transmission and Control-data Separation in Ultra-dense Cellular Networks	ICCCE 2020, Lecture Notes in Electrical Engineering 698	Springer pp. 853-859	2021	https://doi.org/10.1007/978-981-15-7961-5_80	2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020)	16th-17th December, 2019	CMR College of Engineering & Technology, Hyderabad
9	Korla Ramya	Dr B V Vijayari	Compressive sensing and contourlet transform applications in speech signal	ICCCE 2020, Lecture Notes in Electrical Engineering 698	Springer pp. pp. 833-842	2021	https://doi.org/10.1007/978-981-15-7961-5_78	2nd International Conference on Advances in Computing and Communication	16th-17th December, 2019	CMR College of Engineering &

10		.						Technology (ICCCE-2020)		Technology, Hyderabad
10	Jagadeeswari Sambangi	K Parvateesam	An overview of Fog computing	ICCCE 2020, Lecture Notes in Electrical Engineering 698	Springer pp. 843-852.	2021	DOI: 10.1007/978-981-15-7961-5_79	2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020)	16th-17th December, 2019	CMR College of Engineering & Technology, Hyderabad
11	Sista Venkata Naga Veerabhadra Sai Sudeep	S V Kiran	An overview of biometrics & face spoofing detection	ICCCE 2020, Lecture Notes in Electrical Engineering 698	Springer pp. 871-881	2021	https://doi.org/10.1007/978-981-15-7961-5_82	2nd International Conference on Advances in Computing and Communication Technology (ICCCE-2020)	16th-17th December, 2019	CMR College of Engineering & Technology, Hyderabad
12	Kamireddy Manohar	Dr B V Vijayari	An Investigation of Different Methodology Used for Achieving Compact Multiband Microstrip Antenna for Wireless Application	https://doi.org/10.1007/978-981-15-4851-2_16	Springer pp. 151-160	2021	https://doi.org/10.1007/978-981-15-4851-2_16	5th International Conference on Computing in Engineering and Technology (ICCET 2020)	09th-11th January, 2020	MGMs College of Engineering, Nanded, Maharastra / Advances in Intelligent Systems and Computing (AISC) Springer
13	B. Jyothi Priya	K Parvateesam	Design and Implementation of Smart Real-Time Billing, GSM, and GPS based Theft Monitoring and Accident Notification Systems	Advances in Intelligent Systems and Computing (AISC)	Springer pp. 647-661	2021	https://doi.org/10.1007/978-981-15-7234-0_61	International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications, (ICMISC 2020)	28-29, March, 2020	CMR Engineering College, Hyderabad
14	V. Ch. S. Ravi Shankar	A Rama Vasantha	A Review Paper Based On Image Security Using Watermarking	Advances in Intelligent Systems and	Springer pp. 697-706	2021	https://doi.org/10.1007/978-981-15-7234-0_66	International Conference on Recent Trends in	28-29, March, 2020	CMR Engineering

				Computing (AISC)				Machine Learning, IOT, Smart Cities & Applications, (ICMISC 2020)	College, Hyderabad
15	Sri Sai Surya	A Arun Kumar Gudivada	Systematic Review on Full-Subtractor Using Quantum-Dot Cellular Automata (QCA)	Advances in Intelligent Systems and Computing (AISC)	Springer pp. 619-626.	2021	https://doi.org/10.1007/978-981-15-7234-0_58	International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications, (ICMISC 2020)	CMR Engineering College, Hyderabad
16	Donthamsetti Chaitanya Kumar	A Rama Vasantha, P Swarnalatha	A review of smart greenhouse farming by using sensor network technology	Advances in Intelligent Systems and Computing (AISC)	Springer pp. 849-856	2021	https://doi.org/10.1007/978-981-15-7234-0_79	International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications, (ICMISC 2020)	CMR Engineering College, Hyderabad
17	Sumant Pandey	Dr R V V Krishna	A Systematic review on an embedded web server architecture	Advances in Intelligent Systems and Computing (AISC)	Springer pp. 533-541	2021	https://doi.org/10.1007/978-981-15-7234-0_49	International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications, (ICMISC 2020)	CMR Engineering College, Hyderabad
18	M.Siva Santhoshi	K Sharath Babu	An investigation on rolling element bearing fault and real time spectrum analysis by using short time fourier transform	Advances in Intelligent Systems and Computing (AISC)	Springer pp. 561-567	2021	https://doi.org/10.1007/978-981-15-7234-0_52	International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications, (ICMISC 2020)	CMR Engineering College, Hyderabad
19	M. Venkata Ganesh	E. Jagadeeswara Rao	A Review of 4-2 Compressors: Based on Accuracy and Performance Analysis	Advances in Intelligent Systems and Computing (AISC)	Springer pp. 569-578	2021	https://doi.org/10.1007/978-981-15-7234-0_53	International Conference on Recent Trends in Machine Learning, IOT, Smart Cities	CMR Engineering College, Hyderabad

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							& Applications, (ICMISC 2020)		
20	D. Dhathri	E. Jagadeeswara Rao	A Systematic Review on Various Types of Full Adders	Advances in Intelligent Systems and Computing (AISC)	Springer pp. 635-646	2021	https://doi.org/10.1007/978-981-15-7234-0_60	International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications, (ICMISC 2020)	28-29, March, 2020	CMR Engineering College, Hyderabad
21	M.Lakshmi Akhila	E. Jagadeeswara Rao	A Systematic Review of Approximate Adders: Accuracy and Performance Analysis	Advances in Intelligent Systems and Computing (AISC)	Springer pp. 689-696	2021	https://doi.org/10.1007/978-981-15-7234-0_65	International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications, (ICMISC 2020)	28-29, March, 2020	CMR Engineering College, Hyderabad
22	G. Pavan Avinash	A Rama Vasantha,	A Study on Low-Frequency Signal Processing with Improved Signal-to-Noise Ratio	Advances in Intelligent Systems and Computing (AISC)	Springer pp. 857-864	2021	https://doi.org/10.1007/978-981-15-7234-0_80	International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications, (ICMISC 2020)	28-29, March, 2020	CMR Engineering College, Hyderabad
23	Mangam Surya Jyothi	K L V Prasad	Textile UWB MIMO Antenna for Wireless Applications	IEEE Xplore	4/10/2021	2021	DOI: 10.1109/ASIANCON51346.2021.9544980	2021 Asian Conference on Innovation in Technology (ASIANCON)	28th Aug – 29th Aug. 2021	Pimpri Chinchwad College of Engineering & Research, Pune
24	Amrutha, Penkey	K L V Prasad	Highly Isolated Fork-Shaped MIMO Antenna for 5G Application	IEEE Xplore	4/10/2021	2021	DOI: 10.1109/ASIANCON51346.2021.9545004	2021 Asian Conference on Innovation in Technology (ASIANCON)	28th Aug – 29th Aug. 2021	Pimpri Chinchwad College of Engineering & Research, Pune

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| 25 | G. Varun Kumar | Y D Chandra Mouli, S V Kiran | Video Retrieval Queries of Large Scale Images: An Efficient Approach | IEEE Xplore | pp. 247-250 | 2021 | **DOI:** 10.1109/ISPCC 53510.2021.9609382 | 2021 6th International Conference on Signal Processing, Computing and Control (ISPCC) | 07-09 October 2021 | Solan |
| 26 | A Nandini | R Anil Kumar | Circuits Based on the Memristor for Fundamental Operations | IEEE Xplore | pp. 251-255 | 2021 | **DOI:** 10.1109/ISPCC 53510.2021.9609439 | 2021 6th International Conference on Signal Processing, Computing and Control (ISPCC) | 07-09 October 2021 | Solan |