



GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY::NELLORE
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Academic Year 2020-21
R & D and Consultancy Activities
Research Publications (Conference)

Sl. No.	Name of the teacher	Title of the paper	Name of the conference	Place / Location	Dates / Duration	ISBN number of the proceeding
1	Dr. D. Regan	Underground Cable Fault Detection Using IOT	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
2	Dr. D. Regan	Image Fusion Based Underwater Image Enhancement	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
3	Dr. D. Regan	BER Performance of Uplink Massive MIMO with Low-Resolution ADCs	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
4	Dr. K. Radhika	Object Sorting Based on Shape and Colour Using Raspberry Pi	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
5	Dr. K. Radhika	Shape and Colour Sorting Automated System using Raspberry Pi	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
6	Dr. K. Radhika	Assessment of the Effects of Block chain Based Protection in Network Performance	International conference on emerging trends in science, engineering & management (ICETSEM-2021)	Online	21.01.2021 to 23.01.2021	-

7	Dr. K. Radhika	Design implementation and analysis of different SRAM Cell Topologies	3rd IEEE international conference on Emerging smart computing & Informatics (IEEE-ESCI 2021)	Online	05.03.2021 to 07.03.2021	10.1109/ESCI50559.2021.9396938
8	Dr. K. Radhika	Design and implementation of Low Power High Speed Robust 10T SRAM	3rd IEEE international conference on Emerging smart computing & Informatics (IEEE-ESCI 2021)	Online	05.03.2021 to 07.03.2021	10.1109/ESCI50559.2021.9396811
9	Dr. P. Rahul Reddy	Reduction of electrical signal interference for future IC integration-An extensive review	International conference on intelligent technologies-CONIT 2021	Online	25.06.2021 to 27.06.2021, 3-Days	IEEE Conf. Record No-51480
10	Dr. P. Rahul Reddy	Implementation of Arduino Atmega 2560 Based Smart Energy Meter Through Prepaid Transaction Using IOT	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
11	Dr. P. Rahul Reddy	Implementation of High Speed and Energy Efficient Random Number Generation Using Quantum Dots	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
12	Dr. Sk. Mahaboob Basha	Complete Virtual Care Taker System	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
13	Dr. Sk. Mahaboob Basha	An IOT based Agricultural Crop Monitoring and Protection System from Heavy Rains using Rain Shield	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
14	Dr. Syed Jeelan Basha	Smart Driver Alert and Rescue System	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7

15	Dr. Syed Jeelan Basha	A Novel Adaptive Framework For Chaotic Image Watermarking Based On SVD And Robust IWT	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
16	Dr. Syed Jeelan Basha	Programmable Detection of COVID-19 Infection Using Chest X-Ray Images Through Transfer Learning	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
17	Mr. G. Kiran Kumar	Characterization of Plant Disease Prediction Using Convolutional Neural Network	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
18	Mr. G. Kiran Kumar	Analysis of Blood Cell Images and Noise Removal Using Filtering Techniques	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
19	Mr. G. Suresh	An Approach For Single MR Image Resolution Enhancement Using Channel Splitting Framework	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
20	Mr. G. Suresh	IOT Based Smart Bank Locker System	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
21	Mr. Julian P	Designing a Lossless Multi Hop Energy Harvesting Links with Distributed Power Control	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
22	Mr. Julian P	A Reliable Data Transmission for Military Services	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
23	Mr. K. Chandra Sekhar	IOT Based Real Time Farming Using Raspberry Pi	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
24	Mr. K. Chandra Sekhar	Power Efficient GM-C DSM's With High Immunity To Aliasing, Clock Jitter And ISI	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
25	Mr. K. Naveen	Secure multi-objective Lion	National Conference on	Online	10.07.2021	978-1-956102-14-7

		Optimization Algorithm based Energy aware Routing for Wireless Sensor Networks	Emerging Technologies in Engineering NCETE-2021			
26	Mr. K. Naveen	MIMO Visible Light Communication System With Energy Efficiency Optimization Technique	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
27	Mr. M. Siva Krishna	Designing BCD Adders Using Quantum Dot Cellular Automata	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
28	Mr. M. Siva Krishna	Android Notice Board	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
29	Mr. MNL. Narayan Singh	Fingerprint Based Exam hall Authentication System Using IoT	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
30	Mr. MNL. Narayan Singh	Public Transport System (Salutory) in the Covid-19 Pandemic By Using IOT	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
31	Mr. P. Raghava Reddy	Multifunctional Quadrotors	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
32	Mr. P. Raghava Reddy	Performance Analysis of Alzheimer's Disease Detection System with Various Classifiers	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
33	Mr. P. V. Krishna Rao	Detecting the Clouds and Determining the Weather Condition, Coverage Area of Cloud Simultaneously Using CNN	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
34	Mr. P. V. Krishna Rao	Smart Card Based Fuel Supply System	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7

35	Mr. S. Sreenivasulu	High Speed Three Operand Adder using Kogge-Stone adder	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
36	Mr. S. Sreenivasulu	Advance Eye Controlled Wheelchair for Disabled Person	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
37	Mr. Shaik Khadar Basha	IoT Based Smart Traffic Control System with Ambulance Clearance Mechanism for Smart Cities	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
38	Mr. Shaik Khadar Basha	Zigbee Controlled Floor Cleaning Robot	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
39	Mr. T. Suneel Kumar	Advanced Shopping Cart Using GSM and IoT	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
40	Mr. T. Suneel Kumar	Design of Monopole Antenna for Brain cancer detection	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
41	Mr. U. Penchalaiah	Area and Delay Efficient Ripple Borrow Half Select Subtracor	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
42	Mr. U. Penchalaiah	Design of High Speed Finite Impulse Response Filter by Using Data Scaling Technology With Fixed Width Booth Multiplier	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
43	Ms. CH. Yamini	Identifying Liver Cancer Using Image Processing Techniques	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
44	Ms. CH. Yamini	A Novel Proposal of MIMO Systems in Underground Tunnels for Future Mobile Communications	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7

45	Ms. K. Sravani Kumari	Smart Driver Alert System Using RFID Sign Boards	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
46	Ms. K. Sravani Kumari	Multifunctional Quadrotors	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
47	Ms. M. Suhasini	Smart Nursing Robot with UV Sterilization for Covid Patients	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7
48	Ms. M. Suhasini	Design of a Microstrip Patch Antenna in Ism 2.4 GHz Band Breast Tumour Detection	National Conference on Emerging Technologies in Engineering NCETE-2021	Online	10.07.2021	978-1-956102-14-7



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Sl. No.	Name of the teacher	Title of the paper	Name of the conference	Place / Location	Dates / Duration	ISBN number of the proceeding
1	Dr. Shaik Mahaboob Basha	Authentication Using Face Recognition System into Examination Hall	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
2	Dr. Shaik Mahaboob Basha	Retinex Model Based Technique for Estimating Structural Information in Low - Light Images	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
3	Dr. Syed.Jeelani Basha	Real-Time Object Detection Using Opencv and Yolov3.0	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
4	Dr. Syed.Jeelani Basha	Forgery Detection of Medical Images for Smart Healthcare Using Non-Intrusive Technique	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
5	Dr. Syed.Jeelani Basha	A Novel Approach for Image Forgery Detection Using Lateral Chromatic Aberration	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
6	Dr. D. Regan	Generalized Noise Removal in ID Signals Using Deep Learning Neural Networks	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
7	Dr. D. Regan	Visual Enhancement of Foggy Images in	National Conference on	Online	14.06.2020	978-81-946370-4-2

		RGB and HSV colour Spaces Using CLAHE	Emerging Technologies in Engineering-2020		to 15.06.2020 2 days	
8	Dr. D. Regan	Despeckling of SAR Images Using Adaptive Bilateral Filter	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
9	Dr. P. Rahul Reddy	Implementation of Hopfield Network to Digital Neuromorphic Processor in VLSI Design for Machine Learning System	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
10	Dr. P. Rahul Reddy	Reliability Issues and Design Solutions in Advanced CMOS Design	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
11	Dr. A. Kishore Reddy	An Exceptional Approach for Effective Detection of Retinal Lesions in the Screening of Diabetic Retinopathy	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
12	Dr. A. Kishore Reddy	Absorption Light Scattering Model for Low-illumination Image Enhancement	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
13	Ms. K. Radhika	No Reference Stereoscopic Image and Video Quality Assessment by Dual Stream Technique	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
14	Ms. K. Radhika	Automatic Medicine Vending Machine Using Arduino AT Mega 2560	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
15	Mr. P. Raghava Reddy	IoT Based Smart Car Parking System	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020	978-81-946370-4-2

					2 days	
16	Mr. P. Raghava Reddy	Design and Analysis of MGDI Based Adders and Multiplexers	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
17	Mr. G. Suresh	Grid Side Faults Detection by Using Grid-Tied VSI Protection Based on Voltage	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
18	Mr. G. Suresh	A Novel Approach for Class Oriented Common Object Mapping in Digital Images	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
19	Mr. G. Kiran Kumar	Synthesization of Highly Flexible Low-Latency memory based FFT Processor for 4G and 5G Communications	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
20	Mr. G. Kiran Kumar	Implementation of Mems Technology Based Cardiac Monitoring and Human Fall Detection System	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
21	Mr. S. Sreenivasulu	A Novel Approach for an Automatic Classification of Sea Ice Regions in Sar Images	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
22	Mr. S. Sreenivasulu	Ultra Smart Blind Stick for Visually Impaired Persons	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
23	Ms. M. Suhasini	Implementation of Fir Filter Using Parallel DA Technical	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
24	Ms. M. Suhasini	A Novel Approach for an Efficient	National Conference on	Online	14.06.2020	978-81-946370-4-2

		Detection of Manipulated Regions in Color Images	Emerging Technologies in Engineering-2020		to 15.06.2020 2 days	
25	Mr. P. V. Krishna Rao	An Advanced Speech Command Based Door Automation Using Arduino Uno	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
26	Mr. P. V. Krishna Rao	Google Assistant Controlled Home Automation	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
27	Mr. M. Sivakrishna	Reversible Logic High-Speed Energy Efficient Kogge-Stone Adder	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
28	Mr. M. Sivakrishna	IOT Based Vertical Farming Monitoring System Using Arduino	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
29	Mr. K. Chandra Sekhar	A Novel High Speed Loss less Multi User MIMO-of DM Communication Using Pilot Contamination	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
30	Mr. K. Chandra Sekhar	Design of Low-Power and High-Speed Carry Prediction Adder for Approximate Computing	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
31	Mr. U. Penchalaiah	New Low Power and Low Glitch Conditional Discharge DET Flip-Flops Using Multiple C-Elements	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
32	Mr. U. Penchalaiah	Ultra Low Power and High Performance Dual Edge Triggered D-Flipflop	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020	978-81-946370-4-2

					2 days	
33	Ms. C. Durga Tejeswi	A Novel Approach for Domain Independent Image to Image Translation	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
34	Mr. Julian P	Image Deblurring Enhancement for Spatially Uniform Blur Model	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
35	Mr. Julian P	Color Image Compression Using Chroma Sub Sampling and Luma Modification	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
36	Mr. T. Suneel Kumar	Digital IC Tester Using arduino	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
37	Mr. T. Suneel Kumar	Blood Donor Management System in Ambulance Using GSM and GPS	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 392 days	978-81-946370-4-2
38	Mr. K. V. Bhanu Prakash	Design of Low-Power High-Speed Approximate Multiplier by Using Compressors	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
39	Mr. K. V. Bhanu Prakash	Power Reduction in Logic Circuits using Power Gating for Deep Sub Micron Circuits	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
40	Mr. M.N.L. Narayana Singh	Survey on Power Optimization Using Spectrum Sharing for Next Generation Cellular Networks	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
41	Mr. M.N.L. Narayana Singh	A Novel Approach for the Design and	National Conference on	Online	14.06.2020	978-81-946370-4-2

		Analysis of a High Performance Communication System with FTN Transmission	Emerging Technologies in Engineering-2020		to 15.06.2020 2 days	
42	Mr. B. Srinivasa Rao	Electronic LED display using GSM module	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2
43	Mr. B. Srinivasa Rao	GSM based scrolling single colour LED display board	National Conference on Emerging Technologies in Engineering-2020	Online	14.06.2020 to 15.06.2020 2 days	978-81-946370-4-2



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S. No	Name of the teacher	Title of the paper	Name of the conference	Place / Location	Dates / Duration	ISBN number of the proceeding
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1	Dr. D. Regan	An algorithm for concrete crack extraction and identification based on machine vision	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
2	Dr. D. Regan	Fake currency recognition system for Indian notes using image processing techniques	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
3	Dr. R. Solomon Roach	FPGA implementation and power analysis of 2-parallel UAS based ESPF FIR filter	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
4	Dr. R. Solomon Roach	Resource and power analysis of CSD-VHCSE based reconfigurable fir filter on various FPGA's	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
5	Dr. S. Parasuraman	Design a reconfigurable rectangular microstrip patch antenna for multiband communication	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
6	Dr. S. Parasuraman	Enhanced bandwidth and radiation specifications of u-shape multislot antenna for WIMAX application	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
7	Dr. Sd. Jeelan Basha	Automated contrast limited adaptive histogram equalization using intrinsic decomposition and dual gamma correction	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
8	Dr. Sd. Jeelan Basha	Image quality assessment based on NIQE, PIQE, GLCM, and LBP using SVM	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR

9	Dr. Sd. Jeelan Basha	Secure and robust digital image watermarking using detailed DWT coefficients	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
10	Dr. Sk. Mahaboob Basha	Modified KPCA Technique for the Estimation of metrics for Super Resolution based Application	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
11	Dr. Sk. Mahaboob Basha	Dual alert security device for women using GPS and GSM modules	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
12	Dr. Sk. Mahaboob Basha	Energy saving and robust surveillance system using sensors and Raspberry PI	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
13	Dr. Sk. Mahaboob Basha	Synthetization of Low power folded tree Digital Signal Processor Architecture for WSN Applications	ICATCSIT-2018	GIST, Nellore	12.04.2019 and 13.04.2019	Published in Journal-IJET
14	Mr. G. Kiran Kumar	Cognitive satellite terrestrial network using beam forming approach	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
15	Mr. G. Kiran Kumar	synthetization of low power folded tree digital signal processor Architecture for WSN Applications	ICATCSIT-2018	GIST, Nellore	24-25, August	Published in Journal-IJET
16	Mr. G. Kiran Kumar	Synthetization of low power and area optimized approximate sum-of-products designs based on distributed arithmetic	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR

17	Mr. K. Prabhakar Reddy	An adaptive method for vehicle counting using digital image processing techniques	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
18	Mr. K. Prabhakar Reddy	Smart and easy shopping system using IoT	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
19	Mr. M. Krishna Prasad	Improved Dark Channel prior for image defogging using RGB and YCbCr color space	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
20	Mr. M. Mahesh Kumar	A bit-plane decomposition matrix-based VLSI integer transform architecture for HEVC	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
21	Mr. M. Mahesh Kumar	Low power consumption using non-volatile RRAM lookup tables	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
22	Mr. M. Sivakrishna	Plant Disease detection and pesticide spraying using DIP and IoT	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
23	Mr. Mohana Krishna	A high accuracy solver for RTE in under water optical communication path loss prediction	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
24	Mr. P. Raghava Reddy	Brain tumour detection system using deep learning	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR

25	Mr. P. Raghava Reddy	Design and analysis of carry maskable adder (CMA) for low power application	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
26	Mr. P. Raghava Reddy	GUI based quality assessment of rice grain using optical and image processing techniques	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
27	Mr. P. V. Krishna Rao	Hand gesture recognition and voice conversion system for dumb and deaf people	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
28	Mr. S. Sreenivasulu	A facial-expression monitoring system for improved healthcare in smart cities	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
29	Mr. S. Sreenivasulu	Skin segmentation based on improved thresholding method	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
30	Mr. U. Sreenivasulu	Basic Survey: Different Channel Scheduling Strategies In OFDM Systems	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
31	Mr. U. Sreenivasulu	Indoor air quality monitoring system using IoT	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
32	Mr. U. Sreenivasulu	Reduction of PAPR without side information for SFBC MIMO-OFDM systems	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR

33	Ms. C. Durga Tejeswi	Design and implementation of touch based TFT shift register for low power and low noise applications with 18nm technology	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
34	Ms. D. Nagajyothi	High capacity reversible data hiding in encrypted images through MSB prediction-based method	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
35	Ms. D. Nagajyothi	IoT based toll collection management system	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
36	Ms. I. Divya	IoT based remote health monitoring system	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
37	Ms. K. Radhika	A novel conveyor belt mechanism for identifying and sorting products	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
38	Ms. K. Radhika	High accurate person identification combining left and right palm print images	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
39	Ms. K. Radhika	Image classification using wavelet and LBP based features for image retrieval applications	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
40	Ms. M. Suhasini	Vehicle tracking and locating system based on GPS and GSM	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR

41	Ms. P. Madhavi	Data hiding and extraction from images using side match algorithm	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
42	Ms. P. Madhavi	IoT based anti-poaching alarm system for trees in forests	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
43	Ms. Sk. Shahina	Enhancing the security of MISO NOMA SWIPT system using cooperative jamming scheme	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR
44	Ms. Sk. Shahina	MIMO-OFDM channel estimation based on a sparse recovery-NAMP algorithm	National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC)	GIST, Nellore	12.04.2019 and 13.04.2019	Published in UGC Journal-JETIR



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2017-18

R & D and Consultancy Activities

Research Publications (Conference)

S. No	Name of the teacher	Title of the paper	Name of the conference	Place / Location	Dates / Duration	ISBN number of the proceeding
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1	Dr. SK. Mahaboob Basha	Synthesization of Low Power Folded Tree Digital Signal Processor Architecture for WSN Applications	International Conference on Advanced Trends in Computer Science & Information Technology (ICATCSIT-18)	GIST, Nellore	24/06/2018 to 25/06/2018	
2	Mr. G. Kiran Kumar	Synthesization of Low Power Folded Tree Digital Signal Processor Architecture for WSN Applications	International Conference on Advanced Trends in Computer Science & Information Technology (ICATCSIT-18)	GIST, Nellore	24/06/2018 to 25/06/2018	
3	Ms. K. Radhika	A Robust Approach For Multispectral Image Classification	International Conference on Advanced Trends in Computer Science & Information Technology (ICATCSIT-18)	GIST, Nellore	24/06/2018 to 25/06/2018	
4	Ms. K. Radhika	A Neural Network based Classification of Satellite Images for Change Detection Applications	International Conference on Advances in Engineering, Management & Sciences (ICAEMS)	Santhiram Engineering College, Nandyal	14/07/2017 to 15/07/2017	978-93-85100-78-9
5	Ms. K. Radhika	A Random Subspace Based Classification For Change Detection Of Satellite Images	International Conference on Advanced Communication Systems (ICACS)	SVEW, Tirupati	20/10/2017 to 22/10/2017	978-93-5288-058-4
6	Ms. K. Radhika	Satellite Image Classification based on Ensemble Subspace Discriminant method Using Random Subspace Algorithm	International Conference on Advanced Communication Systems (ICACS)	SV Engineering College for Women, Tirupati	20/10/2017 to 22/10/2017	

7	Ms. K. Radhika	Ensemble Subspace Discriminant Classification of Satellite Images	International Conference on Advances in Engineering, Management & Sciences (ICAEMS)	Santhiram Engineering College, Nandyal	14/07/2017 to 15/07/2017	
8	Ms. SK. M. Shahina	A Robust Approach For Multispectral Image Classification	International Conference on Advanced Trends in Computer Science & Information Technology (ICATCSIT-18)	GIST, Nellore	24/06/2018 to 25/06/2018	



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Academic Year 2016-17
R & D and Consultancy Activities

Research Publications (Conference)

Sl. No.	Name of the teacher	Title of the paper	Name of the conference	Place / Location	Dates / Duration
1	Dr. SK. Mahaboob Basha	Design of Security Robot in Night Vision using	National Conference on VLSI, Communication & Signal Processing (NCVCS)	Raja Rajeswari College of Engineering, Mysore	16.05.2017 to 17.05.2017

		Wireless Video Camera and Ultrasonic Sensor			
2	Mr. S. Sreenivasulu	Simulation Of Low Power 9t & 14t Full Adder With Reduce Noise	International Conference on Emerging Trends in Engineering, Management, Science and Technologies (ICEEMST)	RISE Krishna Sai Prakasam Group of Institutions, Ongole	03.03.2017
3	Ms. D .Naga Jyothi	A Survey On Design And Development Techniques Of Non-Invasive Glucometer	International Conference on Innovative Applications in Engineering and Information Technology (IAEIT)	Sri Padmavathi Mahila Vishwavidyalayam, Tirupathi	01.02.2017 to 02.02.2017
4	Ms. D .Naga Jyothi	Producing Non Linear FM Chrip Waveform For Radar	Joint International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES) & Power, Circuit and Information Technologies (ICPCIT)	Madanapalle Institute of Technology & Science, Chittoor	27.04.2017 to 29.04.2017
5	Ms. K. Radhika	Satellite Image Classification of Different Resolution Images using Cluster Ensemble Techniques	IEEE Sponsored -International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies (ICAMMAET)	Bharat Institution of Higher Education and Research, Chennai	16.02.2017 to 18.02.2017
6	Ms. K. Radhika	Satellite Image Classification and Quality Parameters Using ML Classifier	Joint International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES) & Power, Circuit and Information Technologies (ICPCIT)	Madanapalle Institute of Technology & Science, Chittoor	27.04.2017 to 29.04.2017
7	Mr. K. Naveen	Producing Non Linear FM Chrip Waveform For Radar	Joint International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES) & Power, Circuit and Information Technologies (ICPCIT)	Madanapalle Institute of Technology & Science, Chittoor	27.04.2017 to 29.04.2017

