SIR C R REDDY COLLEGE OF ENGINEERING, ELURU
DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING

<u>Staff Conference details Year wise:</u>

Number of quality publications in Conferences for Academic Year (2017-2018)

S.No	Authors	Title Of The Paper	National/International conference
1	Dr. T. Venkateswara RaoK. Venkata Reddy, T Anilkumar	Design of flag shaped 3-element array antenna for directive radiatin in Ku-band applications,	IEEE Conference held at KL University,SPACES-2018
2	K. Lakshmi Narayana,	Performance comparisionof compressive sparse channel Esimation&Feed back in 5Gfor hyper MIMO systems,	IEEE International conf. on Circuits & Systems,IEEE Explore, 20-21 Dec. 2017.

TOTAL: 02

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Number of quality publications in Conferences for Academic Year (2018-2019)

S.No	Authors	Title Of The Paper	National/International confernce
1	Dr. T.Venkateswara Rao	**1.**Analysis on Mutual Coupling Effects of Linear Patch Antenna Array Using HFSS for Phased Array Radar Applications	ICACT-2019
		2. Four Element MIMO Antenna For K Band And Ka Band Applications	ICACT-2019
2		**3.** Enhancement 2×2 Compact Extended MIMO-Antenna	ICACT-2019
	Dr.P.H.S.TejoMurthy	**4.**Implementation of Car Parking System through FPGA	ICACT-2019
		5. Home Automation Through Field Programmable Gate Array	ICACT-2019
		6. A Soft Error Tolerance Technique For Combinational Circuit Using D Flipflop Based On Selective Transistor Redundancy	ICACT-2019
3	I. Hemalatha	**7.**Estimation Of Different Parameters In Cellular Mobile Communication	ICACT-2019

		8. Efficient Key Generation By Exploiting Randomness From Channel Responses Of Individual Ofdm Subcarriers	ICACT-2019
		9. Real Time Imaging And Signal Analysis Using Radar Sensor	ICACT-2019
4	M.RaviKumar	10.Multi-Parameter Wireless Device For Health Monitoring	ICACT-2019
5	K.Lakshminarayana	11.Aod-Adaptive Subspace Codebook For Channel Feedback In FDD Massive MIMO Systems	ICACT-2019
6	V. Veerraju	12.Mitigate the Travelling Time in WSN using Cluster-Data Based Tour Planning Algorithm	ICACT-2019
7	R. Satish	13.Face Recognition Using CRF Model	ICACT-2019
8	Ch. Ravi Kumar	14.Linear Block Codes Reduced Sub packetization With Caching Schemes	ICACT-2019
		15. Optimization of 2G/3G networks for improvement of handovers	ICACT-2019
		16. Coded Caching Schemes with Reduced Sub packetization from Linear Block Codes	ICACT-2019
9	Ch. Madhava Rao	17.Smart Irrigation System Using Raspberry Pi	ICACT-2019

10	H. Sudhakar	18.An Efficient And Dynamic Query Compressive Wireless Sensing Networks	ICACT-2019
		19. Monitoring And Controlling Of Mushroom Cultivation Through IOT	ICACT-2019
		20. Boron Nitride Nanotubes and Their Applications-A short Review	ICACT-2019
11	D. Ajay Kumar	21.Design And Analysis Of Low Power Double Tail Comparator	ICACT-2019
12	P. Hareesh	22.Arduino Based Gesture To Speech Conversion For The Mute Community	ICACT-2019
13	K.J.S. Lorraine	23.Smart Antenna Beam Forming LCMV MVDR Algorithm	ICACT-2019
		24. Mitigation of Near-Far Effect in Pseudo lite Based On Beam forming	ICACT-2019
		25. Study Of Hybrid RF/FSO System To Enhance Effective Range in A Near –Far Scenario	ICWSNUCA-2018
14	Ch. Jaya Prakash	26.Implementation Of Hamming Code Using Verilog	ICACT-2019
15	V. Surendra Babu	27.OPC Based Scada System In Visakhapatnam Steel Plant	ICACT-2019
16	M. Narendra Kumar	28.Azolla Cultivation Through IOT By Using Arm	ICACT-2019

		Cortex-M0	
17	K. Miranji	**29.**Design And Development Density Based Traffic Light Control System Using IOT	ICACT-2019
		30. Audio And Text Transmission Using Li-Fi Technology	ICACT-2019
18	N. Lavanya	**31.**CBIR Based On Surf With Color Histogram	ICACT-2019
19	V. Vamsi Sudheera	**32.**Improved BSC and Systematic polar code channel estimation in wireless 5G	ICACT-2019
		33. Detection of Targets up to maximum unambiguous range using FMCW RADAR	ICACT-2019
20	P.Sasi Bala	**34.**Telugu Character Recognition Using Svm Classifier	ICACT-2019
21	A. Ram Kumar	**35.**Implementation Of Majority Logic Based Comparator	ICACT-2019
22	R. Trinadh	**36.**Design Of Power Efficient Approximate Multipliers	ICACT-2019
23	M.N.Venkatesh Babu S	**37.**Mutual Coupling Reduction Between Microstrip Patch Antennas Using Slotted-Complementary Split-Ring Resonators	ICACT-2019

		38. Design of Vivaldi Antenna At X-Band for Weather Radar Applications	ICACT-2019
		39. Microstrip Patch Antenna for CUBESAT Applications	ICACT-2019
24	K Chandrasekhar	**40.**Spectrum Utilization Efficiency Analysis Using Cognitive Radio Network	ICACT-2019
25	Sk.Rahimunnisha	**41.**Video Surveillance Of Raw Materials At Visakhapatnam Steel Plant	ICACT-2019
26	P. Sowmithri	**42.**Design Of Ternary Logic Arithmetic Circuits Using CNTFET	ICACT-2019
27	M.Vamsi Krishna Allu	**43.**Low Power Full Adders By Exploring New Ex-Or And	ICACT-2019
28	K.Lavanya	**44.**Design and Analysis of Low Power SRAM cells	ICACT-2019
29	M.Greeshma	**45.**High Speed and Low Power Comparator for High Speed ADCs	ICACT-2019
30	V.Swathi	**46.**Fault Detection Method In NOC Routers	ICACT-2019
31	N.Suneetha	**47.**An Efficient Programmable Logic BIST Module	ICACT-2019
32	N.Swathi	**48.**Hybrid Smart Home Control System	ICACT-2019
33	P.Srinivasulu	**49.**Remote Intelligent Infant Incubator	ICACT-2019

34	YB N V Bhaskar	50.Implementation Of Shift Register & Twisted Ring Counter Using CMOS Technology	ICACT-2019
35	V.Ranjith kumar	51.Heart Stroke Forecasting And Health Parameters Analysis Using Python	ICACT-2019

TOTAL: 51

Number of quality publications in Conferences for Academic Year(2019-2020)

s.no	Authors	Title Of The Paper	National/International confernce
1.	AjaykumarDharmireddy, Drsreen ivasa Rao Ijjada	A perspective review of challenges on FinFET technology in low power & High speed design.	ICMEET-2020, International conference, 6th ,7th Dec 2019

TOTAL: 01

Number of quality publications in Conferences for Academic Year (2020-2021)

S.No	Author	Title Of The Paper	National/International conference
1	Dr. T.Venkateswara Rao	1.Automatic Audience Identification Using Face Recognition	16th - 17th JULY 2021,NCAIM-2021
2	Dr.P.H.S.TejoMurthy	2.Design And Verification Of AMBA AHB-Lite Protocol	16th - 17th JULY 2021,NCAIM-2021
		3.Image	16th - 17th JULY 2021,NCAIM-

			2021
		Captioning Based On Deep Neural Network	
3	1. Hemalatha	4.Estimation Of Doppler Frequency With Wavelet Generated Video	16th - 17th JULY 2021,NCAIM-2021
4	M.RaviKumar	5.Unique Identification For Monitoring Of Covid-19 Using Internet Of Things (IoT)	16th - 17th JULY 2021,NCAIM-2021
		6.Building An Iot Based Cost-Efficient Surveillance Robot For Real Time Monitoring And Control,	16th - 17th JULY 2021,NCAIM-2021
5	K.Lakshminarayana	7.Hybrid Precoding-Based Millimeter-Wave Massive MIMO-NOMA With Simultaneous Wireless Information and Power Transfer	16th - 17th JULY 2021,NCAIM-2021
6	V. Veerraju	8.Detection of Lung Cancer in CT images using Image Processing	16th - 17th JULY 2021,NCAIM-2021
7	R. Satish	9.Automatic Attendance System Using Facenet	16th - 17th JULY 2021,NCAIM-2021
		10.Social Distance Detection Using Deep Learning	16th - 17th JULY 2021,NCAIM-2021
8	Miranji Katta1*, Satish Rapaka2, Trinadh Rajanala3, Ramkumar Adireddi4	11.IoT Enabled E-Life Device For Electricity Management And Energy Efficiency	Proceedi ngs of 1st international Conference on water,energy & envi ronment 23 & 24 Dec 2021

9	Ch. Ravi Kumar	**12.**Underwater Image Restoration Using Segmentation Method	16th - 17th JULY 2021,NCAIM-2021
		13. Image Encryption Using Chaotic Based Artificial Neural Network	16th - 17th JULY 2021,NCAIM-2021
10	Ch. Madhava Rao	**14.**Real-time Face Mask Detection Using Image Processing	16th - 17th JULY 2021,NCAIM-2021
11	H. Sudhakar	**15.**Implementation Of High-Performance Parallel Prefix Adder	16th - 17th JULY 2021,NCAIM-2021
12	D. Ajay Kumar	**16.**Simulation model of SOI TFET for low power applications	16th - 17th JULY 2021,NCAIM-2021
		17. Rad-Hard model SOI Fin TFET for space craft applications, lecture notes,	ICMEET 2021,Springer series,27th,28th August 2021.
		18. A Novel design of SOI based Fin Gate TFET	2nd Global Conference for advancement in technology (GCAT) Bangalore, india. Oct 1-3,2021 978-0-7381-3215-0/21/$31.00,IEEE
		19. Design and Analysis of Homo and Hetero junction	ICACCT-2021, 6th,7th may-2021,pg.no: 35
		20. Design and performance analysis of Homo junction and Hetero junction Double gate TFET at 40nm,	ICACCT-2021, 6th,7th may-2021, pg.no: 8
		21. Doping and	ICRCEST 2K21,ISBN: 978-93-

		Doping Less III-V Tunnel FETs: Investigation on Reasons for ON Current Improvement	90214-20-4,9th – 10th April,2021,ph.no: 348-350
13	P. Hareesh	22.Modified High Speed Vedic Multiplier Implementation Using VLSI	16th - 17th JULY 2021,NCAIM-2021
14	Ch. Jaya Prakash	23.Heart Disease Prediction Using Machine Learning	16th - 17th JULY 2021,NCAIM-2021
		24.Recognition Of Frauds On Credit Card Using Machine Learning	16th - 17th JULY 2021,NCAIM-2021
15	V. Surendra Babu	25.Design and Implementation of the Logic Circuits Using Low Power Adiabatic Logic Technique	16th - 17th JULY 2021,NCAIM-2021
16	M. Narendra Kumar	26.Smart Customer Query Chat Bot With Intelligent Document Training	16th - 17th JULY 2021,NCAIM-2021
17	K. Miranji	27.Early Detection of Breast Cancer Using Machine Learning Techniques	16th - 17th JULY 2021,NCAIM-2021
		28.Design and Development of IoT based Social Distance Alerting for COVID-19	16th - 17th JULY 2021,NCAIM-21021
18	N. Lavanya	29.Image Dehazing Algorithm Using Morphological Reconstruction	16th - 17th JULY 2021,NCAIM-2021
19	V. Vamsi Sudheera	30.Emotion	16th - 17th JULY 2021,NCAIM-

		Recognition Through Speech Signal	2021
		31.Driver Drowsiness Detection for Safe Driving Using Image Processing	16th - 17th JULY 2021,NCAIM-2021
20	A. Ram Kumar	32.Low Power Approximate Multiplier Design Using Approximate compressors	16th - 17th JULY 2021,NCAIM-2021
21	R. Trinadh	33.Simulation And Comparison Of Multiple Encryption Standard Algorithms	16th - 17th JULY 2021,NCAIM-2021
22	K.Radha	34.Adiabatic based 4 bit comparator for low power applications	16th - 17th JULY 2021,NCAIM-2021
		35.Design of adders using Gate Diffusion Input technique	16th - 17th JULY 2021,NCAIM-2021
23	P. Sowmithri	36.Remote Monitoring Of Food Spoilage Using Smart Technology	16th - 17th JULY 2021,NCAIM-2021
24	M.Vamsi Krishna Allu	37.Mesochronous Dual Clock FIFO Buffer	16th - 17th JULY 2021,NCAIM-2021
		38.Personal Monitoring And Emergency Response Device	16th - 17th JULY 2021,NCAIM-2021
25	K.Lavanya	39.Smart Gloves To Convert Sign To Speech For Mute Community	16th - 17th JULY 2021,NCAIM-2021
26	M.Greeshma	40.Area Efficient	16th - 17th JULY 2021,NCAIM-

		Memory-Based Even-Multiple-Storage Multiplier for Higher Input	2021
27	V.Swathi	41.Plant Disease Detection using Machine Learning	16th - 17th JULY 2021,NCAIM-2021
28	N.Suneetha	42.Statistical Analysis of mm wave Channel Modeling at 28 and 73GHz in 5G Communications	16th - 17th JULY 2021,NCAIM-2021
29	N.Swathi	43.IOT Auto Temperature Scan Entry System | Thermal Flap Barrier Covid Prevention	16th - 17th JULY 2021,NCAIM-2021
30	P.Srinivasulu	44.Fake Currency Recognition System Using Image Processing,	16th - 17th JULY 2021,NCAIM-2021
		45.Contrast Escalation Of Medical Images Using Statistical Methods	16th - 17th JULY 2021,NCAIM-2021
31	V.Ranjith kumar	46.Mems Sensor For Food Quality And Safety Monitoring	16th - 17th JULY 2021,NCAIM-2021
		47.MEMS Sensor For Non-Invasive Screening Of Pulmonary Diseases	16th - 17th JULY 2021,NCAIM-2021
32	G.Srilatha	48.Design and Analysis Metamaterials Inspired Wearable Antenna for 2.4GHz ISM Band	2020 32nd International Conference on Microelectronics (ICM),IEEE Xplore,2020-ICM

TOTAL: 48

Number of quality publications in Conferences for Academic Year (2021-2022)

S.No	Authors	Title Of The Paper	National/International confernce
1	T. Venkateshwara Rao	1.The Automatic Identification System Of Fishing Vessels For Indian Fishermen	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
2	I.Hemalatha	2.Vehicle Detection and Tracking System Using Gaussian Mixture Model and Blob Analysis	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
3	M. Ravikumar	3.SecurityBasedSmart ATM Using IOT	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
		4.Smart Weather Monitoring In a Poultry Farm	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
4	R. Satish	5.Identification of Heart Disease through Iris Using Convolutional neural networks	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
		6.Real Time Integrated Biometric System For Smart Home	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
5	Ch.Madhava Rao	7.High Performance 5-2 Compressor for Rapid Parallel Accumulations	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
		8.Infant Incubator Using ESP8266	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
6	Lakshmi Narayana K,	9.IOT Based Smart LPG Gas Monitoring And Automatic Booking System	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
		10.Super Resolution Channel Estimation Using Hybrid Precoding for Mm Wave Massive MIMO	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
7	Ravi Kumar CH	11.HumanMachineInterfaceUsingVoiceControl Mechanism	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
8	Veerraju V	12.Detecting and Addressing The Interruption In Electrical Poles And Transformer Control	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
9	M. Narendra Kumar	13.Prediction of Heart Disease Using Machine Learning Algorithms	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
10	M. Narendra	14.Anti-Theft Fingerprint Security System For	3 rd NCSECT – 2022

		Motor Vehicles	PROCEEDINGS ,20th – 21st May 2022
11	CH. JayaPrakash	**15.**IoT Based Industrial Monitoring System	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
12	SurendraBabu. V	**16.**Dermatological Disease Detection and Preventative Measures Using Convolution Neural Networks (CNN)	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
13	D.Ajay Kumar	**17.**Design of Low voltage- power :Negative capacitance charge Plasama FinTFET for AIOT Data Acquistion Blocks	BHARAT IEEE Conference Record:53139 during 7th-8th April 2022,GITAM,Visakhapatnam.
		18. Datapath system design using 32nm FinFET technology for low power applications	7th WECON 2022, organized by chitkara university,India on May 20-21,2022,EISEVIER materials today :proceedings
		19. Detection of COVID-19 from X-RAY Images using Artificial Intelligence(AI)	2nd CONIT ,24th to 26th june 2022,K.L.E institute of technology Hubballi.IEEE Bangalore Sec.
		20. Accurate Recognition of Coronavirus From Upper Body X-Ray Images Using AI	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
14	Miranji Katta & Ramkumar Adireddi	**21.** An Efficient Learning Model Selection for Dengue Detection	Intelligent And Cloud Computing proceedings of ICICC 2021 -Springer
15	M.Greeshma	**22.**Research on Image Scaling	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
16	Kotha Lavanya	**23.**Implementation of UART Communication Protocol on FPGA by Using Verilog	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
17	A. M. Vamsi Krishna	**24.**IoTBasedHealth CareMonitoringSystemwithBSNByUsing RaspberryPiWithApp	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
18	G.Srilatha	**25.**Retinal Image Classification For Identifying Diabetic Retinopathy Using Convolutional Neural Networks	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
19	N. Lavanya	**26.**Design of River Waste Collector Machine Using Arduino	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
20	P. Hareesh	**27.**Quality Enhancement For The Images	3 rd NCSECT – 2022

		Captured In Dusty Weather Using Tuned Tri-Threshold Fuzzy Intensification Operators	PROCEEDINGS ,20th – 21st May 2022
21	A. Ram Kumar	28.Implementation of Area and Energy Efficient MOBTA Using FPGA	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
22	K Miranji	29.Detection of Arboviruses Born Disease By Using Mems Biosensor	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
23	R.Trinadh	30.Simulation of MEMS Gyroscope Using MATLAB(SIMULINK)	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
24	P. Sowmithri,	31.Water Quality Monitoring System Using ESP32 MC	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
25	N. Suneetha	32.Driver Drowsiness Detection Based On Open CV &DLib Libraries Using Image Processing	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
26	V. Swathi	33.Data Compression Using K-Run Length Encoding	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
27	N.Swathi	34.Missile Detection by Ultrasonic and Auto Destroy System using IoT	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
28	P. Srinivasulu	35.Design and Development of Smart Multifunctional Wheel Chair	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022
29	Y.B.N.V. Bhaskar	36.Measurement of Magnetic Field and Detection of Type of Material Using Hall Effect	3 rd NCSECT – 2022 PROCEEDINGS ,20th – 21st May 2022

TOTAL: 36

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