

## **National Conferences/International Conferences:**

**2020-21**

1. A Vamseekrishna, B T P Madhav, B Rammohan, and Rajesh Tanna A novel reconfigurable G shaped patch antenna for wireless IoT applications using BAR64-02W PIN diode Journal of Physics: Conference Series, Volume 1706, First International Conference on Advances in Physical Sciences and Materials 13-14 August 2020, Coimbatore, India
2. B. R. Devi, B. Kiranmai, K. Gurucharan, S. S. Kiran and P. Srujana, "A Coherent Hybrid Precoding for homogenize Millimeter-wave Multiple- in Multiple- out Systems for 5G Communication," 2021 5th International Conference on Computing Methodologies and Communication (ICCMC), 2021, pp. 207-211, doi: 10.1109/ICCMC51019.2021.9418011
3. P.Srujana, Dunna Suresh Kumar, B.Rama Devi, B. Kiranmai Comparison of image denoising using convolution neural networks (CNN) with traditional method, Proceedings of the Fifth International Conference on Computing Methodologies and Communication (ICCMC 2021)
4. Kowju Gayatri Kowju Gayatri, R.Divya Kanti, V.Ch.Sekhar Rao Rayavarapu, Dr.B.Sridhar,V.Rama Gowri Bobbili, Image processing and Pattern Recognition based Plant Leaf diseases Identification and Classification, Journal of Physics: Conference Series 1804 (2021) 012160 doi:10.1088/1742-6596/1804/1/012160
5. B. Sridhar, S. Sridhar, V. Nanchariah and K. Gayatri, "Cluster Medical Image Segmentation using Morphological Adaptive Bilateral Filter based BSA Algorithm," 2021 5th International Conference on Trends in Electronics and Informatics (ICOEI), 2021, pp. 726-731, doi: 10.1109/ICOEI51242.2021.9452816.
6. P. SRUJANA, J. PRIYANKA, V. Y. S. S. S. PATNAIKUNI and N. VEJENDLA, "Edge Detection with different Parameters in Digital Image Processing using GUI," 2021 5th International Conference on Computing Methodologies and Communication (ICCMC), 2021, pp. 795-802, doi: 10.1109/ICCMC51019.2021.9418327.
7. Naresh K. Darimireddy, B. R. Sanjeeva Reddy, Chan-Wang Park, Sujatha M. "Circularly-Polarized Circular Meandered Microstrip Antennas for WLAN Applications" in 2020 *IEEE ISAP*, 25-28 Jan. 2021, Osaka, Japan. (Published in IEEE Xplore)

## **List of Conference Publications**

**2019-20**

1. Dr M Rajan Babu Dhavaleswarapu Venkatachari A Low-Profile Pentagon Inscribed in Circle Shaped Wide Band Antenna Design for C-Band Applications, 978-1-7281-6828-9/20 ©2020 IEEE
2. Naresh K. Darimireddy, Chan-Wang Park, R. Ramana Reddy, B. R. Sanjeeva Reddy, "Multi-Band Rectangular Hybrid Antennas Loaded with Inter-Digital Structure Slot" in *IEEE Indian Conference on Antennas and Propagation (IEEE-InCAP)*, 16-19 Dec. 2019, Ahmadabad.
3. M. Sujatha, Naresh K. Darimireddy, R. Ramana Reddy, B. Sridhar, "Minkowski Inter-Digital Dual-Band Pass Fractal Filter for GSM Applications" in *IEEE Indian Conference on Antennas and Propagation (IEEE-InCAP)*, 16-19 Dec. 2019, Ahmadabad.
4. N. Rajasekhar, R. Ramana Reddy, Runa Kumari, "Performance Analysis of Conical

- Dielectric Resonator Antenna using Various Feeding Techniques” in *IEEE Indian Conference on Antennas and Propagation (IEEE-InCAP)*, 16-19 Dec. 2019, Ahmedabad.
5. B. Kiranmai, V. Lavanya, S. S. Kiran, “An energy-efficient resource allocation system using OFDM-DAS Model for LTE applications” in *6<sup>th</sup> International Conference on Information system Design for Intelligent Applications-2019 (Springer LNEE series)*, Nov. 2019 (Scopus Indexed)
  6. B. Kiranmai, S. S. Kiran, P. Srinivasa Rao, P. Raghavendra “Automation of smart buildings and integrating Message to Voice Technology based on IOT using Raspberry Pi 3” *6<sup>th</sup> International Conference on Information system Design for Intelligent Applications-2019 (Springer LNEE serie)*, Nov. 2019 (Scopus Indexed)
  7. Naresh K. Darimireddy, Chan-Wang Park, R. Ramana Reddy, B. R. Sanjeeva Reddy, “Multi-Band Rectangular Hybrid Antennas Loaded with Inter-Digital Structure Slot” in *IEEE Indian Conference on Antennas and Propagation (IEEE-InCAP)*, 19-22 Dec. 2019, Ahmedabad.
  8. B.Sridhar, S.Sridhar, V.Nanchariah, Design of Novel Wireless Sensor Network Enabled IoT based Smart Health Monitoring System for Thicket of Trees, *Proceedings of the Fourth International Conference on Computing Methodologies and Communication (ICCMC 2020)* IEEE Xplore Part Number:CFP20K25-ART; ISBN:978-1-7281-4889-2 March 2020
  9. N. RajaSekhar, R. R. Reddy, R. Kumari and R. Sowjanya, "Performance Analysis of Conical Dielectric Resonator Antenna with Various Feeding Techniques," 2019 IEEE Indian Conference on Antennas and Propagation (InCAP), 2019, pp. 1-4, doi: 10.1109/InCAP47789.2019.9134670.
  10. M. Sujatha, N. K. Darimireddy, R. Ramana Reddy, B. Sridhar, Minkowski Inter-Digital Dual-Band Pass Fractal Filter for GSM Applications, 2019 IEEE Indian Conference on Antennas and Propagation (InCAP),
  11. Venkatachari Dhavaleswarapu, Bindu kousalya, Kadari Sai Mohitha Kolli, Praveen kumar Meesala, Rohit kumar Kondru, Santosh Muramulla Parametric optimization of Low-profile V-Band antenna for millimeter-wave applications, 978-1-7281-6828-9/20/2020 IEEE
  12. B.sridhar, A Quality Representation of Tumor in Breast using Hybrid Model Watershed Transform and Markov Random Fields, 2020 International Conference on Computer Communication and Informatics (ICCCI -2020), Jan. 22 – 24, 2020, Coimbatore, INDIA
  13. Ramamohan B., Usha S., Ananth P., Lalitha V.S., Jaswanth S. (2021) Design of Dumbbell-Shaped MIMO Antenna for Wearable Applications. In: Sekhar G.C., Behera H.S., Nayak J., Naik B., Pelusi D. (eds) *Intelligent Computing in Control and Communication. Lecture Notes in Electrical Engineering*, vol 702. Springer, Singapore. [https://doi.org/10.1007/978-981-15-8439-8\\_24](https://doi.org/10.1007/978-981-15-8439-8_24)

## NATIONAL/INTERNATIONAL CONFERENCES

**2018-19**

- [1]. M. Rajan Babu, A Novel Architecture of High Speed and Area Efficient Wallace Tree Multiplier using Carry Select Adder with Mirror Adder, *ICIECE-2018*, July 2018, Organized by Gurunanak Institutions.
- [2]. M. Rajan Babu, Design of Smart Home Using Internet of Things, *NCTRACE-2019*, June 2019, Organized by LIET, Vizianagaram.
- [3]. M. Rajan Babu, Quality of Service of Proactive, Reactive and Hybrid Routing Protocols for Ad-Hoc Networks Over Fading Channel, *NCTRACE-2019*, June 2019, Organized by LIET,

Vizianagaram.

- [4]. B.Sridhar, Development of Image Analysis System by Using Convolutional Neural Networks, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.
- [5]. B.Sridhar, Quality Evaluation of Fruits and Vegetables by using Image Processing Techniques, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.
- [6]. Naresh Kumar Darimireddy, Compact Multi-Layer Circularly Polarized Hexagonal- Spiral Antenna for Wireless Applications, *IEEE- Indian Conference on Antennas & Propagation (InCAP-2018)*, December 218, Organized by IEEE- Antennas and Propagation Society, Hyderabad Chapter, DRDO and RCI.
- Naresh Kumar Darimireddy, Multi Wideband Hexagonal-Spiral Microstrip Band-Pass Filter for Wireless Applications, *IEEE- Indian Conference on Antennas & Propagation (InCAP-2018)*, December 218, Organized by IEEE- Antennas and Propagation Society, Hyderabad Chapter, DRDO and RCI.
- [8]. Naresh Kumar Darimireddy, Rhombic Slotted Pentagonal Patch Antenna for GPS Applications, *IEEE- Indian Conference on Antennas & Propagation (InCAP- 2018)*, December 218, Organized by IEEE- Antennas and Propagation Society, Hyderabad Chapter, DRDO and RCI.
- [9]. S. Sridhar, Realization of Array Multiplier and Serial- Parallel Multiplier Architectures, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.
- [10]. S. Sridhar, CMOS Implementation of Baugh-Wooley and Wallace tree multiplier Architectures for MAC Unit, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.
- [11]. B. Kiranmai, FPGA Implementation of LFM Four Phase Sequences for Radar Pulse Compression Applications, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.
- [12]. B. Kiranmai, Developing an Energy-Efficient System Using OFDM-DAS Model for Wireless Applications, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.
- [13]. V. Nancharaiah, Design of Low PDP Reusable FM0/ Manchester Encoder for DSRC Applications, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.
- [14]. B. Ramamohan, Multi Wideband Hexagonal-Spiral Microstrip Band-Pass Filter for Wireless Applications, *IEEE*, December 2018, Organized by IEEE- Antennas and Propagation Society, Hyderabad Chapter, DRDO and RCI.
- [15]. B. Ramamohan, FPGA implementation of radix -2 architecture for twin data processor, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.
- [16]. B. Hemanth Nag, Development of Real Time Face Detection and Recognition System, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.
- [17]. B. Hemanth Nag, Development of Smart Plant Health Controlling System, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.
- [18]. N. Rajasekhar, Compact Multi-Layer Circularly Polarized Hexagonal- Spiral Antenna for Wireless Applications, *IEEE*, December 2018, Organized by IEEE- Antennas and Propagation Society, Hyderabad Chapter, DRDO and RCI.
- [19]. N. Rajasekhar, Rhombic Slotted Pentagonal Patch Antenna for GPS Applications, *IEEE*, December 2018, Organized by IEEE- Antennas and Propagation Society, Hyderabad Chapter, DRDO and RCI.
- [20]. M. Sujatha, Multi Wideband Hexagonal-Spiral Microstrip Band-Pass Filter for Wireless

Applications, *IEEE*, December 2018, Organized by IEEE- Antennas and Propagation Society, Hyderabad Chapter, DRDO and RCI.

Multiplier using Carry Select Adder with Mirror Adder, *ICIECE-2018*, July 2018, Organized by Gurunanak Institutions.

[21]. M. Sujatha, Some Investigations on Microstrip Low Pass Filters and Design Approaches, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[22]. Y. Yamini Devi, A Novel Architecture of High Speed and Area Efficient Wallace Tree

[23]. Y. Yamini Devi, Design and Implementation of Low Power and High Speed Braun Multiplier Using Hybrid Full Adder, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[24]. P. Srinivasa Rao, Rhombic Slotted Pentagonal Patch Antenna for GPS Applications, *IEEE*, December 2018, Organized by IEEE- Antennas and Propagation Society, Hyderabad Chapter, DRDO and RCI.

[25]. B. Rama Devi, VLSI Implementation of fast multiplication using quaternary signed digit number system, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[26]. P. Hareesh, VLSI Implementation of fast multiplication using quaternary signed digit number system, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[27]. D. Venkatachari, Designing of optimized energy D Flip Flop using inverse narrow width with pull up/down network, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[28]. Ch. Gayatri, Modified Haze removal algorithm for Image using color attenuation prior, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[29]. R. Divyakanthi, Implementation of wireless sensor networks node localization algorithm using MATLAB, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[30]. Shaik Azeez, Recognition of Denoising Qr Code Image Using Morphological Operations, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[31]. S. Rama Krishna, Implementating an efficient energy optimization for base station in 5G networks using particle swarm optimization, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[32]. S. Rama Krishna, Design real coded genetic algorithm with location intelligence method for energy optimization in 5G wireless networks, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[33]. V.Y.S.S. Sudir Patnaikuni, Implementation of Low-Power Split-Radix FFT Processor, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[34]. V.Y.S.S. Sudir Patnaikuni, Design of Earth Quake Alert System Using GSM Network and AURDINO(UNO), NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[35]. J. Priyakna, Design of Earth Quake Alert System Using GSM Network and AURDINO(UNO), NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[36]. S. Suresh Kumar, Design of Earth Quake Alert System Using GSM Network and AURDINO(UNO), NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[37]. D. Suresh Kumar, Implementation of Power Reduction in CMOS Circuits, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[38]. B. Srinu, FPGA Implementation of Median Filter using compare and exchange unit, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[39]. D. Suresh Kumar, IoT Based Garbage Monitoring Systems, NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

[40]. P. Hari, Design of Earth Quake Alert System Using GSM Network and AURDINO(UNO), NCTRACE-2019, June 2019, Organized by LIET, Vizianagaram.

## **NATIONAL/INTERNATIONAL CONFERENCES**

### **2017-18**

1. B. Sridhar, IoT Based Smart Crop-Field Monitoring and Automation Irrigation System, IEEE –ICISC, Jan,2018, Organized by Coimbatore, India.
2. Naresh Kumar Darimireddy, V-Shaped slits and a slot loaded pentagonal boundary patch antennas for wide band applications, IEEE- Antenna Innovations and Modern Technologies For Ground, Aircraft And Satellite Applications (*IAIM*)-2017, Organized by IEEE- Antennas and Propagation Society, IEEE-MTT, Bangalore Chapter.
3. Naresh Kumar Darimireddy, Circularly polarized compact wideband slotted cylindrical dielectric resonator antennas, IEEE - Antenna Innovations And Modern Technologies For Ground, Aircraft And Satellite Applications (*Iaim*)-2017, Organized by IEEE- Antennas and Propagation Society, IEEE-MTT, Bangalore Chapter.
4. Naresh Kumar Darimireddy, Analysis of Effect of Concavity in Linear and Planar Microstrip Patch Antenna Arrays, ICMEET 2k18, Dec,2017, Organized by Springer LNEE and GVP, Visakhapatnam.
5. Naresh Kumar Darimireddy, Coupled Line and Coupled Line Fractal Microstrip Bandpass Filters, 49<sup>th</sup> Mid Term Symposium (MTS-2018) On Recent Trends In Wireless Communications (IETE), April 2018, Organized by AUCE(A), Visakhapatnam.
6. Naresh Kumar Darimireddy, Performance Analysis of Dualband Triangular Dielectric Resonator Antenna, 49<sup>th</sup> Mid Term Symposium (Mts-2018) On Recent Trends In Wireless Communications(IETE), April 2018, Organized by AUCE(A), Visakhapatnam.
7. Naresh Kumar Darimireddy, Design of Pentagonal Dielectric Resonator Antenna for X-Band Applications, 49<sup>th</sup> Mid Term Symposium (Mts-2018) On Recent Trends In Wireless Communications (IETE), April 2018, Organized by AUCE(A), Visakhapatnam.
- 8.Pramod Kumar, A Novel ZVS non-isolated bidirectional DC-DC Converter for Energy Storage systems, IEEE, (IECON 2017), Organized by CHINA.
- 9.Pramod Kumar, A Novel ZCS high step-up DC-DC Converter for Energy Storage in DC traction vehicles, IEEE, AIE, Organized by CZECH REPUBLIC.
8. M. Sujatha, Circularly polarized compact wideband slotted cylindrical dielectric resonator antennas, IEEE Antenna Innovations And Modern Technologies For Ground, Aircraft And Satellite Applications (*IAIM*)-2017, Organized by IEEE APS and MTT Bangalore Chapter, Bangalore.
9. M. Sujatha, Coupled Line and Coupled Line Fractal Microstrip Band pass Filters, 49<sup>th</sup> Mid Term Symposium (Mts-2018) On Recent Trends In Wireless Communications, April 2018, Organized by AUCE(A), Visakhapatnam.
10. N. Rajasekhar, V-Shaped slits and a slot loaded pentagonal boundary patch antennas for wide band applications, IEEE Antenna Innovations And Modern Technologies For

11. Ground, Aircraft And Satellite Applications (*Iaim*)-2017, Organized by IEEE APS and MTT Bangalore Chapter, Bangalore.
12. N. Rajasekhar, Performance Analysis of Dual band Triangular Dielectric Resonator Antenna, 49<sup>th</sup> Mid Term Symposium (Mts-2018) On Recent Trends In Wireless Communications, April 2018, Organized by AUCE(A), Visakhapatnam.
13. N. Rajasekhar, Design of Pentagonal Dielectric Resonator Antenna for X-Band Applications, 49<sup>th</sup> Mid Term Symposium (Mts-2018) On Recent Trends In Wireless Communications, April 2018, Organized by AUCE(A), Visakhapatnam.

## **NATIONAL/INTERNATIONAL CONFERENCES**

### **2016-17**

14. M. Rajan Babu, Pipeline Decimal Multiplier using Binary Multiplier, ICMEET(SPRINGER), 2016, Organized by Raghu College of Engineering And Technology, Dakamarri
15. M. Rajan Babu, Novel Design Of Pulse Trigger Flip-flop With Speed And Power Efficiency, ICMEET(SPRINGER), 2016, Organized by Raghu College of Engineering And Technology, Dakamarri.
16. M. Rajan Babu, Gate Diffusion Input Based Design For Carry Select Adder, ICMEET(SPRINGER), 2016, Organized by Raghu College of Engineering And Technology, Dakamarri.
17. M. Rajan Babu, Improved SQRT Architecture For Carry Select Adder Using Modified common Boolean Logic, ICMEET(SPRINGER), 2016, Organized by Raghu College of Engineering And Technology, Dakamarri.
18. M. Rajan Babu, A novel Design Of Low Power FIN-FET Adiabatic Circuits for VLSI applications, IEEE, 2016, Organized by RVS Technical Campus, Coimbatore.
19. Naresh Kumar Darimireddy, Design and Analysis of Various Slots on Hexagonal Boundary Micro-Strip Patch Antennas, ICMEET, Springer, 2016, Organized by Raghu College of Engineering And Technology, Dakamarri.
20. Naresh Kumar Darimireddy, Aperture Coupled modified Minkowski Fractal DRA For Wireless Applications, TREAT-17, FEB 2017, Organized by NIT Warangal.
21. Naresh Kumar Darimireddy, Design Of Dual Layer Aperture Coupled Inverted Doubled Layer U-Slot Triple Band Patch Antenna For Wireless Communication Applications, IEEE Indian Antenna Week (IAW), JUNE 2016, Organized by IEEE Chennai Chapter and TCE, Madurai.
22. Naresh Kumar Darimireddy, Dual band and multiband CPW fed Strip Antennas for Wireless Applications, IEEE, 2017, Organized by RVS Technical Campus, Coimbatore.
23. R. Lalitha, Efficient Design Of 128-Bit BCD Adder Architecture Using Mirror Adder For High Speed VLSI Application, NCACT, March 2017, Organized by Gitam University, Visakhapatnam.
24. Y. Yamini Devi, Efficient Design of 128-Bit BCD Adder Architecture Using Mirror Adder For

25. High Speed VLSI Application, NCACT, March 2017, Organized by Gitam University, Visakhapatnam.
  - A. Pramod Kumar, Novel Low Power Full Adder Using Hybrid CMOS Logic, IEEE, March 2017, Organized by RVS Technical Campus, Coimbatore.
26. M. Sujatha, Design and investigation of Terahertz antenna Using different Configurations, IEEE, March 2017, Organized by RVS Technical Campus, Coimbatore.
27. M. Sujatha, Performance analysis of U-shaped patch configurations for Terahertz applications, IEEE, March 2017, Organized by RVS Tech