

FACULTY PARTICIPATION IN CONFERENCES AND SYMPOSIA
From June-2022 to August-2023

No. of Faculty	International Level	National Level	State Level
Attended, but not presented any paper	1	3	-
Attended and presented paper	1	5	-

S. N o.	Name of the Faculty	Title of the Conference Paper	International/National	Attended/Presented
1	Dr. M.V. S. Sairam	“A Review of Deep Learning Medical Image Analysis”, NCDT, Andhra University, 7 th & 8 th July 2023.	National	Attended
2	Dr. D.B.V.Jagannadham	“Advanced Driver Drowsiness Detection Approach”, NCDT, 7 th & 8 th July 2023.	National	Presented
3	Dr. N. Deepika Rani	“Quad Port Fractal MIMO antenna loaded with SRR for wireless Applications”, RAISE, GVPCEW, 5 th & 6 th August, 2023.	National	Attended
4	Dr. V. Leela Rani	“FPGA Implementation of Moving target Indicator filter for FMCW Radar Data”, 9 th International conference on Electronics, Computing and Communication Technologies, IEEE connect, MSRIT, Bangalore, 14 th -16 th July, 2023	International	Attended

5	Dr. J. Bhaskara Rao	“Travel Sickness: A New Proposal in Design Thinking Process”, NCDT, Andhra University, 7 th & 8 th July 2023.	National	Attended
6	Dr. B. Keerthi Priya	“Designing Digital Filters of Underwater Wireless Sensor Node”, RAISE, GVPCEW, 5 th & 6 th August, 2023.	National	Presented
7	Dr. B. Keerthi Priya	“Design and Implementation of 1-bit multi-layer ALU Using QCA Technology”, ICAESCT, 4 th & 5 th Nov. 2022.	International	Presented
8	Dr. R. Surta Prakasa Rao	“Data Analysis using Machine Learning for Predicting Heart Disease”, NCDT, Andhra University, 7 th & 8 th July 2023.	National	Presented
9	Ms. P. R. Sri Satya	“Performance Analysis of frequency selective surfaces as spatial filters”, NCDT, Andhra University, 7 th & 8 th July 2023.	National	Presented
10	Ms. K. Gayatri	“Implementation of Pixel-based copy Move Forgery Detection and Image Splicing using RANSAC Algorithm”, NCDT, Andhra University, 7 th & 8 th July 2023.	National	Presented

Research & Development:
Publications

Academic Year	Quality Publications		Other International Journals	Total International Journals	Book Chapters	International Conferences
	SCI	Scopus				
2021-2022	18	3	1	22	1	6
2020-2021	15	5	3	23	4	5
2019-2020	14	20	11	45	3	13
2018-2019	2	6	11	19	0	6

RESEARCH PAPERS PUBLISHED IN INTERNATIONAL CONFERENCES

July 2021 – June 2022

- [1] BhanuprasadEpe, AnumoyGhosh, Pratik Mondal, "Design of An Equal Power Divider Using Capacitive Gap End-Coupled Lines," 2022 IEEE Wireless Antenna and Microwave Symposium (WAMS)organized by NIT Rourkela. DOI: 10.1109/WAMS54719.2022.9847719, Jun. 2022.
- [2] DR DBV Jagannadham, and Pravin R Kshirsagar, "Machine Learning Algorithm for Leaf Disease Detection," AIP Conference Proceedings 2393, 020087(2022), <http://doi.org/10.1063/5.0074122>, published online :19th May, 2022.
- [3] L. Hemanth Krishna, **J. BhaskaraRao**and Sk Ayesha, "Energy Efficient Approximate Multiplier design for Image/Video processing applications," INSPEC, Dec. 2021.
- [4] D. BhaskaraRao, G. Rajitha, and **V. Leela Rani**, "Low power and High-speed full adder with complemented logic and complemented XOR gate," Smart and sustainable technologies: rural and tribal development using IoT and cloud computing, Dec. 2021.
- [5] L Hemanth Krishna, BHASKARA RAO JAMMU SreeHari V, and Ayesha Sk, "Novel Approximate 4:2 Compressor for Multiplier Design," Advances in VLSI and Embedded Systems (AVES 2021), Dec. 2021.
- [6] **K. N. V. P. S. Rajesh** and T. Sunil Kumar, "Schizophrenia Detection in Adolescents from EEG Signals using Symmetrically weighted Local Binary Patterns," *43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*, 2021, pp. 963-966, Nov. 2021.

RESEARCH PAPERS PUBLISHED INTERNATIONAL CONFERENCES

July 2020 – June 2021

- [1] P. V. S. Sankaracharyulu, M. Suresh Kumar, and **Ch. KusmaKumari**, "Development of Low-Cost Indigenous Prototype Profiling Buoy System via Embedded Controller for Underwater Parameter Estimation," in Recent Trends in Communication and Intelligent

- Systems, Springer, 2021, pp. 57–69, Mar. 2021.
- [2] M. Nirmala, M. Bharathi, and **N. Deepika Rani**, “Isolation Improvement of Multiband Fractal MIMO Antenna for Wireless Applications,” in IEEE India Council International Subsections Conference (INDISCON), pp. 8–11, Oct. 2020.
 - [3] V. Shyamala and **N. Deepika Rani**, “Design of Polarization and Frequency Reconfigurable Probe Fed Antenna for Wireless Applications,” in IEEE India Council International Subsections Conference (INDISCON), pp. 18–22, Oct. 2020.
 - [4] **M. Neelima**, I. Santiprabha, “MIMICRY VOICE DETECTION USING CONVOLUTIONAL NEURAL NETWORKS”, International conference on Smart Electronics and Communication (ICOSEC 2020), dated 10-12th September, 2020.
 - [5] A. D. Prasad and **G. Padma**, “Preliminary Assessment of Remote Sensing Satellite Data and Spectral Indices for Sustainable Development of a Smart City,” in 2020 International Conference on Advances in Computing, Communication & Materials (ICACCM), pp. 212–214, Aug. 2020.

RESEARCH PAPERS PUBLISHED IN INTERNATIONAL CONFERENCES

July-2019 to June-2020

- [1] **Pratik Mondal, Rajesh. Bera**, B. Mandal, S. Bannerjee and S.K. Parui, "CPW Wide-band Bandpass Filter using Combination of Series Open and Folded Shunt Short Stubs" proceedings in *6th International Conference on Opto-Electronics and Applied Optics (Optronix-2020)* held at UEM Kolkata, India, 8-10th Jun. 2020.
- [2] **G. Padma** and A. D. Prasad, "Functional and Anatomical Image Fusion based on Texture Energy Measures in NSST Domain," *First International Conference on Power, Control and Computing Technologies (ICPC2T)*, Jan. 2020.
- [3] V. Harini, **M. V. S. Sairam**, R. Madhu “Design of 31.2/40.1667 GHz Dual Band Antenna for Future mmwave 5G Femtocell Access Point Applications”, *Advances in Decision Sciences, Image Processing, Security and Computer Vision International Conference on Emerging Trends in Engineering (Springer)*, vol.2, pp.104-111, 2020.
- [4] D. Bhaskara Rao, **V. Leela Rani** “ Review and implementation of 1-bit Adder in CMOS and Hybrid Structures: A Review” International conference, IBICA-2019, Springer, Dec. 2019.
- [5] Rachana L.L. Vepa, **Thota. Vidhyavathi**, “Design of key shape UWB MIMO Antenna with circular slot characteristics using HFSS”, International Conference on Recent Challenges & Explorations in Engineering Technology & Science dated 21st December, 2019.
- [6] S. Moparthi, P. K. Tiwari, **S. Visweswara Rao**, and G. K. Saramekala, “Temperature Dependence of Subthreshold Characteristics of Negative Capacitance Recessed-Source/Drain (NC R-S/D) SOI MOSFET,” 2019 IEEE International Symposium on Smart Electronic Systems (iSES) (Formerly iNiS), Dec. 2019.
- [7] **S. Visweswara Rao**, G. K. Saramekala, P. K. Tiwari, A. K. Swain, and K. Mahapatra,

- “Modeling of Drain Current and Analog Characteristics of Dual-Metal Quadruple Gate (DMQG) MOSFETs,” 2019 IEEE International Symposium on Smart Electronic Systems (iSES) (Formerly iNiS), Dec. 2019.
- [8] HariniChitakala, **B.KeerthiPriya** and D.V.RamaKoti Reddy, “Implementation of Program Page, Read Page and Block Erase operations in NAND Flash Memory Controller”,2019 international Conference on Micro-electronics Electromagnetics and Telecommunications(ICMEET-2016), Nov. 2019.
- [9] WASIM GHDER SOLIMAN , **B. KeerthiPriya**, P. V. S. Anusha,D. V. RAMA KOTI REDDY, N. Suresh Kumar, “Proposed Pipeline Clocking Scheme for Microarchitecture Data Propagation Delay Minimization”, 2019 international Conference on Micro-electronics Electromagnetics and Telecommunications(ICMEET-2016), Nov. 2019.
- [10] **Pratik Mondal**, S.K. Parui, V.P. Padhy, T. Mandal and A. Sarkar, "Conductor Backed Coplanar Waveguide Bandpass Filter using Vertically Loaded Coupled Open-ended Stubs" proceedings in IEEE Global Electromagnetic Compatibility Conference (GEMCCON 2019) held at Bangalore, India, 6th - 8th Nov., 2019.
- [11] V.Harini, **M. V. S. Sairam**, R. Madhu“Performance Analysis of Pentagon Shaped Milimeter wave Antenna for 5G Femtocells Applications ”, Proceedings of 2nd International Conference on Smart Systems and Inventive Technology(IEEE Xplore),pp.284-287, November2019.
- [12] **D. B. V. Jagannadham**, G. V. S. Raju and D. V. S. Narayana ,” Novel Performance Analysis of DCT, DWT and Fractal Coding in Image Compression,” *Proceedings of 3rd ICDECT-Advances in Intelligent Systems and Computing Volume 1079, Data Engineering and Communication Technology*, Sept. 2019.
- [13] B. J. Rani, A. C. Sudhir, and **T. Vidhyavathi**, “Performance analysis of embedded system for data acquisition on FPGA,” in *Soft Computing in Data Analytics*. Springer, Aug. 2019, pp. 409–416.

RESEARCH PAPERS PUBLISHED IN INTERNATIONAL CONFERENCES

July 2018 – June 2019

- [1] **T.Vidhyavathi,J. Bhaskararao**, A. Ch. Sudhir, “Shaped Beam Pattern Synthesis using global Optimization Method for Radar Applications”, *International Conference on Innovative Product Design and Intelligent Manufacturing System (ICIPDIMS)*, NIT Rourkela, odisha, 17th -18th May 2019.
- [2] **D. B. V. Jagannadham**, D. S. Narayana, D. Koteswar, and S. Tripathi, “Passenger safety monitoring and destination alert system for public transports,” in *Microelectronics, Electromagnetics and Telecommunications*. Springer, Nov. 2018, pp. 777–792.
- [3] **U. Aswani**, B. Rao, S. Duttagupta, and T. Eldho, “Switch based power optimization technique of spv arrays with voltage and current compensation,” in *2018 IEEE 7th World*

Conference on Photovoltaic Energy Conversion (WCPEC)(A Joint Conference of 45th IEEE PVSC, 28th PVSEC & 34th EU PVSEC). IEEE, Nov. 2018, pp. 1234–1238.

- [4] **G. Padma** and A. Prasad, “Medical image fusion based on frei-chen masks in nsst domain,” in *2018 5th International Conference on Signal Processing and Integrated Networks (SPIN)*. IEEE, Sep. 2018, pp. 619–623.
- [5] **G. RajeswaraRao** and S. R. Gottapu, “BER Analysis of LTE-4G Standard Rayleigh Flat Fading Channel with Adaptive Modulation,” *Lecture Notes in Networks and Systems Innovations in Electronics and Communication Engineering*, pp. 355–360, Aug. 2018.
- [6] **Pratik Mondal** and S. K. Parui, “Two Step Coupled Gap Resonator and Its Application as Bandpass Filter,” *Nanoelectronics, Circuits and Communication Systems Lecture Notes in Electrical Engineering*, pp. 425–434, Aug. 2018.