AY 23-24 (till date)

Book Chapters

1. **Anuradha, P.,** Rajkumar, K., **Navitha, C**., Jithender Reddy, M. (2023). Implementation of Automatic Vending Machine Using FPGA. In: Kumar, A., Ghinea, G., Merugu, S. (eds) Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-2742-5_7
2. **Navitha, C., Anuradha, P**. (2023). Implementation of Massive MIMO Technology with Artificial Intelligence Assisted Deep Learning Convolutional Neural Network (DLCNN)-Based Channel Estimation. In: Kumar, A., Ghinea, G., Merugu, S. (eds) Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-2742-5_31
3. **B.Neeraja**, S. Swetha "Development of System Verilog Verification Environment for 4x4 Router Design" Emerging Trends in Information and Communication Technology Integrated Publications, 978-93-5834-404-2. Volume - 2 pages:79-95, Nov 2023

International Journals

1. Regalla Narendra Reddy, **Nalam Venkata Koteswara Rao**, Dasari Rama Krishna, and **Jeet Ghosh**, "Design of Ultra-Miniaturized Wearable Antenna for Bio-Telemetry Applications," *Progress In Electromagnetics Research C*, Vol. 136, 113-121, 2023. doi:10.2528/PIERC23062603 (Scopus)
2. Puralasetty Ashok Babu, Javanna Latheef Mazher Iqbal, **S. Siva Priyanka**, Machana Jithender Reddy, Gaddam Sunil Kumar and Rajaram Ayyasamy, Power Control and Optimization for Power Loss Reduction Using Deep Learning in Microgrid Systems, Electric Power Components and Systems, pg1-14, 2023, Taylor & Francis, doi:10.1080/15325008.2023.2217175 (Scopus)(SCIE)
3. **G.V. Pradeep Kumar, V.V.** Satyanarayana Tallapragada, N. Alivelu Manga, Optimized transmit antenna selection and self-attention based convolutional resource allocation model for massive MIMO technology, Computer Networks, Volume 235, 2023, 109948, ISSN 1389-1286, https://doi.org/10.1016/j.comnet.2023.109948. (Scopus)(SCIE)
4. Guthi Srinivas and **Srikar D**, E- Shaped Patch with Reactive Impedance Surface for High Gain and Broadband Circularly Polarized Antenna, International Journal of Communication Systems, Wiley, pg 1-16, 2023, https://doi.org/10.1002/dac.5562 (Scopus)(SCIE)
5. Naim Ben Ali, Shri Ramtej Kondamuri, Venkata Sainath Gupta Thadikemalla, **Srikar D,** Pavel Trojovský, Vijaya Durga Chintala, On companding techniques for PAPR reduction in DCT SC-FDMA system in the presence of CFOs, Alexandria Engineering Journal, Volume 79, 2023, Pages 34-43, ISSN 1110-0168, https://doi.org/10.1016/j.aej.2023.07.061. (Scopus)(SCIE)
6. Renuka, G., **Anuradha, P.,** Reddy, P.L. *et al.* Implementation of TCAM Controller Enabled CDMA Network on Chip Router for High-Speed 5G Communications. *SN COMPUT. SCI.* **4**, 740 (2023). https://doi.org/10.1007/s42979-023-02156-7 (Scopus)
7. Prabhu, R., Archana, P., Anusooya, S., & **Anuradha, P**. (2023). Improved Steganography for IoT Network Node Data Security Promoting Secure Data Transmission using Generative Adversarial Networks. *The Scientific Temper*, *14*(03), 938–943. https://doi.org/10.58414/SCIENTIFICTEMPER. 2023.14.3.58
8. **P. Anuradha, Ch. Navitha**, G. Renuka, M. Jithender Reddy, and K. Rajkumar. 2023. A deep learning framework optimised by Harris Hawks algorithm for intelligent ECG classification in WSN-IoT environment. J. Intell. Fuzzy Syst. 45, 5 (2023), 8489–8501. https://doi.org/10.3233/JIFS-233442 (Scopus)(SCIE)

9. **P. Anuradha, K. Vasanth,** G. Renuka, A. Rajeshwar Rao, IoT based enabling home automation system for individuals with diverse disabilities, e-Prime - Advances in Electrical Engineering, Electronics and Energy, Volume 6, 2023, 100366, ISSN 2772-6711, https://doi.org/10.1016/j.prime.2023.100366. (Scopus)
10. P. Jyothi, **D Krishna Reddy**, P Naveen Kumar. "Design of Light Deep – Learning Model using Convolutional Neural Network for IRIS Biometric System". Material Science and Technology, Harbin Institute of Technology, DOI: 10.10543/f0299.2023.41781, Vol.22 No.11, Pg No. 165 - 176, November 2023 (Scopus)
11. P. Jyothi, **D Krishna Reddy**, P Naveen Kumar. "Touchless Biometric Authentication System for Touchscreen Devices to Admittance IoT Application". Organization Development Journal, The Organization Development Institute, Vol.22 No.11, Pg No. 57 - 64, November 2023. (Scopus)
12. **P. Sathish**, **D. Krishna Reddy**, V. Lokendra Kumar, **A. D. Sarma**. "Doppler collision analysis and mitigation using hybrid approach for NavIC system". Aerospace Systems, Springer. DOI: https://doi.org/10.1007/s42401-023-00251-4 published on 20 October 2023. (Scopus)
13. Aare Gopal, **Desireddy Krishnareddy**, Srinivasa rao Chintagunta. "Symbol interferometry and companding transform for PAPR reduction of OTFS signal" WILEY, ETRI Journal. 2023, DOI: 10.4218/etrij.2023-0142, PP. 1–9, 25 September 2023. (Scopus)(SCIE)
14. **Koiloth, S.R.S.J., Achanta, D.S.** & Koppireddi, P.R. ML-based LOS/NLOS/multipath signal classifiers for GNSS in simulated multipath environment. *AS* (2023). https://doi.org/10.1007/s42401-023-00255-0. (Scopus)
15. **B. Khaleelu Rehman**,Prasanthi Kumari N,Raman Kumar,Vetriveeran Rajamani and Mudasar Basha, "A NOVEL APPROACH TO GENERATE TRIGONOMETRIC FUNCTIONS USING HIGH PERFORMANCE FPGA "," ARPN Journal of Engineering and Applied Sciences", arpnjournals, Vol18, Issue19, pp 2249- 2253, ISSN 1819-6608,October 2023 (Scopus).

International Conferences

1. **Priyanka, S**. & Raju, M. & Smitha, G. & Lahari, J. & Reddy, G. & Vinay, P.. (2023). IoT Based Crop Recommendation System Using Machine Learning for Smart Agriculture.College of Engineering Osmania University, April 28th-30th 2023 10.2991/978-94-6463-252-1_90. (Scopus Indexed)
2. V. P. Brahmaiah, A. Sai Kumar, **S. S. Priyanka**, T. Santosh Kumar and B. V. Vani, "An Efficient Method for the Data Monitoring of Photovoltaic Solar Panel," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-6, doi: 10.1109/ICCCNT56998.2023.10307382. (Scopus Indexed)
3. V. P. Brahmaiah, A. Sai Kumar, **S. S. Priyanka**, U. Soma and B. C. Naik, "An Efficient Approach for Denoising ECG Signal using 4-Tap FIR Filter," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-6, doi: 10.1109/ICCCNT56998.2023.10307017. (Scopus Indexed)
4. K. R. D, S. **Siva Priyanka**, A. Sai Kumar, J. Kunduru and N. Batta, "IoT Based Water Quality Monitoring for Smart Aquaculture," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-6, doi: 10.1109/ICCCNT56998.2023.10307651. (Scopus Indexed)
5. C. Kolluru, A. G V, **S. Priyanka. S**, K. R. D and A. S. Kumar, "Development of Face Recognition-Based Smart Door Lock System with Remote Servo Control Authentication," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-6, doi: 10.1109/ICCCNT56998.2023.10307437. (Scopus Indexed)
6. **Nagabhushanam. M V, S. Siva Priyanka**, A. S. Kumar, S. Prahasita and G. Sahithi, "Credit Card Fraud Detection with Auto Encoders and Artificial Neural Networks," 2023 14th International Conference on Computing Communication and Networking Technologies

(ICCCNT), Delhi, India, 2023, pp. 1-6, doi: 10.1109/ICCCNT56998.2023.10308011. (Scopus Indexed)

7. **S. Priyanka. S,** A. S. Kumar, **M. V. Nagabhushanam**, D. Vennela and P. D. Tulasi, "Smart Glasses for Visually Impaired People using Machine Learning," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-6, doi: 10.1109/ICCCNT56998.2023.10307374. (Scopus Indexed)
8. Mohammed Abdul Nasar, Muhammad Khurram, Harisha Karagappa, **B Khaleelu Rehman**, "Comparison of the Mixed Norm(LMMN) and LMMN Algorithm with Sign-Regressor in Channel Equalization", IEEE 3rd International Conference on Applied Electromagnetics, Signal Processing, & Communication (AESPC) Kalinga Institute of Industrial Technology, Bhubaneswar, November 24-25th 2023. (Scopus Indexed)

National Conferences

1. Gurram Sowmya, Rashmi, **Dr.B. Khaleelu Rehman**, FPGA implementation of high speed 64-bit Arithmetic Logic Unit, R&D Day, CBIT Hyderabad
2. Kaushal Jaiprakash Chawda, B.Siddeshwar, P.Sahithi,**T.Sridher**, Design and Development of a Distance Measurement System Using Wi-Fi RSS Values, R&D Day, CBIT Hyderabad
3. Kavya Chalamalasetty, Padma Priya. K, **A.D. Sarma, G.Mallikharjuna Rao** and K.Lakshmanna, Scintillation Classification for GNSS Signal Reception: A Machine Learning Approach with Raspberry Pi Implementation, R&D Day, JNTUK, Kakinada
4. Ramadevi Avala, Padma Priya. K and **A.D. Sarma, T. Sridhar**, Mohammed Kursheed, Estimating the Service Area of a Drone based Source using Wi-Fi and Raspberry Pi based System,R&D Day, JNTUK, Kakinada
5. Mohammed Kursheed, K Lakshmanna, **Dr. A.D. Sarma**, **Dr. D Krishna Reddy**, Dr D L Sreenivasa Reddy, Investigation of selected parameters due to PolaRx5S Scintillation Monitoring Receiver, R&D Day, CBIT Hyderabad
6. Mohammed Kursheed, K Lakshmanna, **Dr. A.D. Sarma, Dr. D Krishna Reddy**, Dr D L Sreenivasa Reddy, Estimation of Ionospheric Scintillation index using Grid model and SVM algorithm for mapping over Indian region, R&D Day, CBIT Hyderabad
7. Rashmi, Gurram Sowmya, **Dr.B. Khaleelu Rehman** Design of digital filters using Xilinx IP core approach method, R&D Day, CBIT Hyderabad
8. Battula Snehitha, Anneboina Nikhil and **B. Neeraja,** Secure Soldier: Real-time Wireless Embedded Electronics for Safety, R&D Day, CBIT Hyderabad
9. N.Malini, P.Sahithi , **D.Sony and D. Krishna Reddy,** IoT based Smart Energy Meter, R&D Day, CBIT Hyderabad
10. **Dr. S. Siva Priyanka**, Prof T. Kishore Kumar, Prof D Krishna Reddy, Adaptive Beam former based Large Language Model for Target Speaker Extraction, R&D Day,CBIT Hyderabad
11. Pallati Rama Rohith, **Ediga Chandrasekhar**, Design and Implementation of Ultra Low Power Comparator for Flash ADC using CMOS 90nm Technology, R&D day, CBIT Hyderabad
12. Ram Siddardha Tammireddi, **Vinod Kumar M**, Investigating OFDM Transceiver Implementation and Modulation Scheme Analysis using MATLAB,R&D day, CBIT Hyderabad
13. Adithya Chelimela, Srinath Chembolu, Sri Datta Annavarapu, **Supraja Reddy Ammana, Sathish Pasika,** IOT Based Air Pollution Monitoring and Controlling System,R&D day, CBIT Hyderabad
14. Hima Vamsi Vankayala, Srinath Chembolu, Sri Datta Annavarapu, **Supraja Reddy Ammana**, **Sathish Pasika**, Centralized Monitoring System for Streetlight Fault Detection, R&D day, CBIT Hyderabad