

## AY 23-24

Books	Book Chapters	International Journals	National Journals	International Conferences	National Conferences	Total
6	6	58	-	28	33	131

### Books

1. **Dr. K. Vasanth.** (2024). Data Analysis with MS Excel. Professional Books Publisher. ISBN: 978-81-969070-9-9. Published on June 17, 2024.
2. **Chandra Sekhar, P.,** Verma, A., Priya, V. T., & Joshi, V. (2023). *Concepts of 5G Technology*. RK Publications. ISBN 978-81-961790-9-0.
3. Kumar, N., Singh, V. P., Dhar, M. M., & **Chandra Sekhar, P.** (2023). *5G & IoT Technologies*. DIA Publishers. ISBN 978-81-962206-2-4.
4. Verma, A., **Chandra Sekhar, P.,** Lokeswar Reddy, D. V., & Sharma, V. (2024). *VLSI Design*. GCS Publications. ISBN 78-81-963125-2-7.
5. **Darapureddy, N.,** & Kumar, R. (2024, February). *Artificial Intelligence Concepts and Applications*. RK Publications. ISBN 978-81-970228-0-7.
6. **Vani, A.,** Jose Ramya, J., & Vijayakumar, P. (2023, July 26). *Fundamentals of Blockchain Technology*. REST Publisher. ISBN 978-81-964810-1-8.

### 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](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](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.
4. **Neeraja, B.,** & Swetha, R. (Accepted). Power Generation at Highways Using Vertical Windmill, Efficient Solar System and Internet of Things. In Energy 4.0: Trends, Challenges, and Applications. CRC Press, Taylor & Francis Group.
5. **Siva Priyanka, S.,** Raju, M., Smitha, G., Lahari, J., Akash Reddy, G., & Mani Vinay, P. (2023). IoT Based Crop Recommendation System Using Machine Learning for Smart Agriculture. In Proceedings of the Second International Conference on Emerging Trends in Engineering (ICETE 2023) (pp. 893-904). Atlantis Press. doi:10.2991/978-94-6463-252-1\_90.
6. Goud, J. R., **Rao, N. V. K.,** & Prasad, M. (2023). Harmonic Suppression Triple Band U-Slot Antenna for GPS/WLAN/5G Applications. In Advances in Microwave

Engineering: From Novel Materials to Novel Microwave Applications. CRC Press, Routledge Taylor & Francis Group. ISBN 9781032468983.

### 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](https://doi.org/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) ELSEVIER
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) ELSEVIER
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) Springer link
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).
16. P. Satyanarayana Goud, **Dr. Panyam Narahari Sastry**, Dr. P. Chandra Sekhar, "Analysis of ECG Signals using Frequency and Time domain features with SVM", International Journal of research in applied science and Engineering Technology (IJRASET), ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 11 Issue VIII Aug 2023 <https://doi.org/10.22214/ijraset.2023.55320>
17. Goud, P.S., **Sastry, P.N. & Sekhar, P.C.** A novel intelligent deep optimized framework for heart disease prediction and classification using ECG signals. *Multimed Tools Appl* (2023). <https://doi.org/10.1007/s11042-023-16850-4> (SCIE)(Scopus) (Q1)
18. **Sony, D., Reddy, D.K. & Kumar, P.N.** SIS Error Estimation for Fault Detection of IRNSS Using Beeline Method. *Int. J. Aeronaut. Space Sci.* **25**, 250–263 (2024). <https://doi.org/10.1007/s42405-023-00644-x> (Scopus)(SCIE)(Q2)
19. **Kumar, G. V. P., Tallapragada, V. V. S., & Manga, N. A.** (2023). Optimized transmit antenna selection and self-attention based convolutional resource allocation model for massive MIMO technology. *Computer Networks*, *235*, 109948. <https://doi.org/10.1016/j.comnet.2023.109948> (Scopus)(SCIE)(Q1). ELSEVIER
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21. Naresh, M., **Kumar, G. V. P., Sireesha, V., & Tallapragada, V. V. S.** (2024). Joint optimal beamforming and resource allocation in intelligent reflecting surface aided wireless power transfer rate splitting multiple access system. *Concurrency and Computation: Practice and Experience*, 1-15. <https://doi.org/10.1002/cpe.8098> (Scopus)(SCIE) Willey

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23. **Sony, D., Reddy, D. K.,** & Kumar, P. N. (2023). Integrity monitoring of NavIC by parsing broadcast ephemeris. *Journal of Applied Geodesy*, 18(1), 43-49. <https://doi.org/10.1515/jag-2023-0026> (Scopus)(Web of Science) (Q2) DeGruyter
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27. Sagar, K. V., Borra, S. P. R., Devi, A. G., **Naik, M. R. K.,** Burra, L. R., Battula, V. V. R., & Balaji, T. (2023). Saline Fluid Flow Supervision in Intensive Care Unit Using Precision Algorithm. *Journal of Theoretical and Applied Information Technology*, 101(23), 7769-7775. (Scopus)(Q4)
28. Mallaiah, N., **Rao, N. V. K.,** & Ramakrishna, D. (2023). Investigation of Beam Forming Algorithms Using Smart Antenna for Modern Wireless Communication. *International Journal of Intelligent Systems and Applications in Engineering*, 12(2), 615-620. (Scopus)(Q3)
29. Parameshwar, G., **Rao, N. V. K.,** & Devi, L. N. (2023). Slime Mould-Based Collaborative Deep Boltzmann Machine for Intrusion Detection Model in Mobile Ad Hoc Network. *SSRG International Journal of Electrical and Electronics Engineering*, 10(11), 31-38. DOI: 10.14445/23488379/IJEEE-V10I11P103. (Scopus)
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31. **Sekhar, P. C.,** & Murthy, T. S. N. (2024). RSMO: Rider Spider Monkey Optimization-Based Artificial Noise Precoding Technique for Physical Layer Security in 5G Networks. *Wireless Personal Communications*. <https://doi.org/10.1007/s11277-024-11166-4> (Scopus)(SCIE)(Q2) Springer link
32. **Nagadevi, D., Suman, K.,** & Lakshmi, P. S. (2024). An enhanced skin lesion detection and classification model using hybrid convolution-based ensemble learning model. *Research on Biomedical Engineering*. <https://doi.org/10.1007/s42600-024-00350-x> (Scopus)(SCIE)(Q3) Springer link
33. **Satyavati Jaga, K.** Rama Devi, Brain tumor classification utilizing Triple Memristor Hopfield Neural Network optimized with Northern Goshawk Optimization for MRI image, *Biomedical Signal Processing and Control*, Volume 95, Part A, 2024, 106450,

ISSN 1746-8094, <https://doi.org/10.1016/j.bspc.2024.106450>. (Scopus)(SCIE)(Q1) ELSEVIER

34. **Kishorebabu, Vasanth**, Pradeep Kumar Reddy Sangala, Nagaraj Subramanyam, and Thyagarajan Kaveripakam. "Decoder based VLSI architectures for nonlinear filter in image applications." In AIP Conference Proceedings, vol. 2942, no. 1. AIP Publishing, 2024, <https://doi.org/10.1063/5.0196462>. (Scopus)
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36. Arulananth, T.S., P. G. Kuppasamy, Ramesh Kumar, ID Saadat M. Alhashmi, M. Mahalakshmi, **K. Vasanth** and ID P. Chinnasamy. "Semantic segmentation of urban environments: Leveraging U-Net deep learning model for cityscape image analysis." PLOS ONE 19 (2024): n. pag., <https://doi.org/10.1371/journal.pone.0300767> (Scopus)(SCIE) (Q1) PLOS ONE
37. N. Anusha, **K. Vasanth**, Shubham P. Masurkar, Automated Extraction of Textural Features From Segmented Sentinel-1 A Synthetic Aperture Radar Satellite Image Using Grey Level Co-Occurrence Matrix, Procedia Computer Science, Volume 235, 2024, Pages 2124-2134, ISSN 1877-0509, <https://doi.org/10.1016/j.procs.2024.04.201>. ELSEVIER
38. **R. Subramanyam**, Y. A. Jancy, and P. Nagabushanam, "Cooperative optimization techniques in distributed MAC protocols – a survey," International Journal of Pervasive Computing and Communications, vol. 20, no. 2, pp. 285-307, Oct. 2023, doi: 10.1108/IJPC-07-2022-0256. [Scopus, Q2]
39. **R. Subramanyam**, S. Rekha, P. Nagabushanam, and **S. K. Kondoju**, "Optimization Techniques in Cooperative and Distributed MAC Protocols: A Survey," International Journal of Intelligent Information Technologies (IJIT), vol. 20, no. 1, pp. 1-23, Jan. 2024, doi: 10.4018/IJIT.335523. [Scopus, Q4]
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48. Nasar, Midhun, **B. Khaleelu Rehman** (2024). Design of Sierpinski Carpet Fractal Antenna for Wireless Applications. *International Journal of Microsystems and IoT*, 2(5), 817-822. ISSN: 2584-0495. DOI: <https://doi.org/10.5281/zenodo.12779125>. May 2024.
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54. Bindu, N. P., & **Sastry, P. N.** (2023). Automated classification of brain tumor images using hybrid machine learning techniques. *NeuroQuantology*, 0.453. <https://doi.org/10.48047/NQ.2023.21.3.NQ33017>
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### 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 28<sup>th</sup>-30<sup>th</sup> 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)
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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 24-25<sup>th</sup> 2023. (Scopus Indexed)
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