AY 2024-25

Books	Book Chapters	International Journals	International Conference	National Conference	Total
-	5	6	11	-	22

Book Chapters

1. Hamsika, R. G., **Radha, S**., Sandesh, S., Damara, S., Kola, S. G., & Nagabushanam, P. (2024). Survey on antennas for different cancers and tumor detection. Springer. https://doi.org/10.1007/978-3-031-64776-5_31. Vol 1052, July 2024.

2. Nisheeth Charan, K. Y., Reddy, **Radha, S**., Vasanth, K., Let, G. S., & Nagabushanam, P. (2024). UAV and SAT images to monitor climate conditions and crop yielding- A Survey. Springer. https://doi.org/10.1007/978-3-031-64776-5_44. Vol 1052, July 2024.

3. Niharika, S., **Radha, S**., Rekha, S., Let, G. S., & Nagabushanam, P. (2024). Bulk Isolation technique for LNA using 45nm CMOS technology. Springer. https://doi.org/10.1007/978-3-031-64776-5_32. Vol 1052, July 2024.

4. Shine Let, G., Yaswanthi, G., Rekha, S., Pratap, C.B., & **Radha, S**. (2024). A Uniplanar Asymmetric Circular Slotted Patch Antenna for 5.8 GHz Applications. Springer. https://doi.org/10.1007/978-3-031-64850-2_16. Vol 1051, August 2024.

5. Praneeth Reddy, N., Sumanth Reddy, B., **Supraja Reddy, A**., Satyanarayana, K., & Dileep Reddy, V. (2024). Development and Performance Evaluation of NavIC-Based Reefer Monitoring System. In Advances in Signal Processing and Communication Engineering. ICASPACE 2023. Lecture Notes in Electrical Engineering, vol 1157. Springer, Singapore. https://doi.org/10.1007/978-981-97-0562-7_15. July 2024.

International Journals

1. **Anuradha P.,** Majumder P., Sivaraman K., Vignesh N.A., S A.J., Anthonirj S., Mallik S., Al-Rasheed A., Abbas M., Soufiene B.O., "Enhancing High-Speed Data Communications: Optimization of Route Controlling Network on Chip Implementation," IEEE Access, IEEE, July 2024, DOI: 10.1109/ACCESS.2024.3427808. [Scopus: Y, Web of Science: Y, SCI/SCIE: Y, Q1].

2. V. Hima Vamsi, **A. Supraja Reddy, P. Sathish, B. Neeraja, M. Vinodh Kumar**, "Sensor Enabled Centralised Monitoring System for Streetlight Fault Detection using IoT," Sensing and Imaging, Springer, Volume 25, August 2024, DOI: https://doi.org/10.1007/s11220-024-00500-6. [Scopus: Y, Web of Science: N, SCI/SCIE: Y, Q2].

3. Rao, K. Nishanth, D. Sudha, Osamah Ibrahim Khalaf, Ghaida Muttasher Abdulsaheb, Aruru Sai Kumar, **S. Siva Priyanka**, Khmaies Ouahada, Habib Hamam, "A novel energy efficient 4-bit vedic multiplier using modified GDI approach at 32 nm technology," Heliyon, Elsevier, Volume 10, Issue 10, Article e31120, May 2024, DOI: https://doi.org/10.1016/j.heliyon.2024.e31120. [Scopus: Y, Web of Science: Y, SCI/SCIE: Y, Q1].

4. Rao, K. Nishanth, D. Sudha, Osamah Ibrahim Khalaf, Ghaida Muttasher Abdulsaheb, Aruru Sai Kumar, **S. Siva Priyanka**, Khmaies Ouahada, Habib Hamam, "An efficient brain tumor detection and classification using pre-trained convolutional neural network models," Heliyon, Elsevier, Volume 10, Issue 17, Article e36773, September 2024, DOI: https://doi.org/10.1016/j.heliyon.2024.e36773. [Scopus: Y, Web of Science: Y, SCI/SCIE: Y, Q1].

5. **G. Mallikharjuna Rao**, K. Deergha Rao, "A scheme based on ECDSA and its implementation for information security," International Journal of Engineering Systems Modelling and Simulation, Inderscience, Volume 15, Issue 4, Page 181, July 4, 2024, DOI: https://doi.org/10.1504/IJESMS.2024.139539. [Scopus: Y, Web of Science: Y, SCI/SCIE: Y, Q2].

6. **B. Neeraja, N. V. Koteswara Rao,** B. Rajendra Naik, "Enhancing multi-target detection in low SNR conditions," Aerospace Systems, Springer, DOI: https://doi.org/10.1007/s42401-024-00308-y. July 2024 [Scopus: Y, Web of Science: N, SCI/SCIE: N].

International Conferences

1. Lakshmanna Kuruva, Maheswara Rao Avula, & **A.D. Sarma**. (2024). ML based Model for Forecasting Ionospheric Scintillations using GAGAN Data. IEEE SPACE - SPace, Aerospace and defence conference, jointly organized by IEEE AESS Bangalore Chapter, IEEE AP-S Bangalore Chapter, and Defence Research and Development Organisation, Bangalore, July 22-23, 2024. IEEE. ISSN/ISBN/DOI: Under Process. Scopus Indexed: Y.

2. Lakshmanna Kuruva, Maheswara Rao Avula, & **A.D. Sarma**. (2024). ML Based Model for Detection of Ionospheric Scintillations using PoLaRx5S Data. IEEE SPACE - SPace, Aerospace and defence conference, jointly organized by IEEE AESS Bangalore Chapter, IEEE AP-S Bangalore Chapter, and Defence Research and Development Organisation, Bangalore, July 22-23, 2024. IEEE. ISSN/ISBN/DOI: Under Process. Scopus Indexed: Y.

3. **Anuradha, P.**, Arabelli, R., Sai Teja, K., Ravichander, J., & Ragava Kumari, D. (2022). Implementation of traffic light controller using Raspberry PI PICO. INTERNATIONAL CONFERENCE ON RESEARCH IN SCIENCES, ENGINEERING, AND TECHNOLOGY, Sumathi Reddy Institute of Technology for Women, Warangal, Warangal, 28–29 November 2022. AIP. https://doi.org/10.1063/5.0195846. Scopus Indexed: Y.

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5. Ram Siddardha Tammireddi, **Dr. Vinodh Kumar M., Supraja Reddy**, Kavya Chalamalasetty, & Sharathchand Kodam. (2025). PERFORMANCE EVALUATION OF IEEE 802.11ax USING VALIDATED PROPAGATION LOSS MODELS FOR V2I APPLICATIONS. 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), IIT - Mandi in association with IEEE Electronics Packaging Society, Himachal Pradesh, India, 24th-28th June, 2025. IEEE. ISSN/ISBN/DOI: Under Process. Scopus Indexed: Y.

6. Kambala Madhuritha, **Siva Priyanka S., Dhanalakshmi**, & Lingaboina Anu. (2024). Smart Security Device for Women Safety. 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), IIT - Mandi in association with IEEE Electronics Packaging Society, Himachal Pradesh, India, 24th-28th June, 2024. IEEE. ISSN/ISBN/DOI: Under Process. Scopus Indexed: Y.

7. Rahul Avunuri, **S. Siva Priyanka, Dhanalakshmi, Bhaskar,** & Akash Koneru. (2024). IoT based Hand Gesture Recognition System for Patient Monitoring. 2024 7th International Conference Circuit, Power and Computing Technology (ICCPCT), IEEE Kerala Section, Kollam, Kerala, 8th-9th August 2024. IEEE. ISSN/ISBN/DOI: Under Process. Scopus Indexed: Y.

8. Bhanu Prakash K., Vennela D., **Dhana Lakshmi N., & Siva Priyanka S.** (2024). Stage Prediction of Liver Cirrhosis Disease using Machine Learning. 2024 First International Conference on Electronics, Communication and Signal Processing (ICECSP), NIT Delhi, Delhi, India, 8th-9th August 2024. IEEE. ISSN/ISBN/DOI: Under Process. Scopus Indexed: Y.

9. **Dhana Lakshmi N., Siva Priyanka S**., Satya Sai Ram M., & Bhaskar D. (2024). Smart Milk Grading System for Quality Assessment and Adulteration Detection using IoT. 2024 7th International Conference Circuit, Power and Computing Technology (ICCPCT), IEEE Kerala Section, Kollam, Kerala, 8th-9th August 2024. IEEE. ISSN/ISBN/DOI: Under Process. Scopus Indexed: Y.

10. Praneeth Reddy, N., Sumanth Reddy, B., **Supraja Reddy, A**., Satyanarayana, K., Dileep Reddy, V. (2024). Development and Performance Evaluation of NavIC-Based Reefer Monitoring System. In: Kumar Jain, P., Nath Singh, Y., Gollapalli, R.P., Singh, S.P. (eds) Advances in Signal Processing and Communication Engineering. ICASPACE 2023. Lecture Notes in Electrical Engineering, vol 1157. Springer, Singapore. https://doi.org/10.1007/978-981-97-0562-7_15.

11. ABNP Sirisha, **N Dhana Lakshmi, S Siva Priyanka**, "Chronic Kidney Disease Stage Prediction Using SGD with ElasticNet Regularization: A Streamlit Application", 24-25 Oct 2024, ICCSC 2024.

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
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.
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 (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)
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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)
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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)
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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

22. Tallapragada, V. V. S., Reddy, D. V., & **Kumar, G. V. P**. (2024). Blind forgery detection using enhanced mask-region convolutional neural network. *Multimedia Tools and Applications*, 1-15. https://doi.org/10.1007/s11042-024-19347-w (Scopus)(SCIE) Springer Link
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) DeGyruter
24. Bandela, S. R., **Priyanka, S. S**., Kumar, K. S., Reddy, Y. V. B., & Berhanu, A. A. (2023). Stressed Speech Emotion Recognition Using Teager Energy and Spectral Feature Fusion with Feature Optimization. Computational Intelligence and Neuroscience, 2023. https://doi.org/10.1155/2023/5765760 (Scopus)(Q2) Wiley
25. Rao, K. N., Sudha, D., Khalaf, O. I., Abdulsaheb, G. M., Kumar, A. S., **Priyanka, S. S**., Ouahada, K., & Hamam, H. (2024). A Novel Energy Efficient 4-bit Vedic Multiplier using Modified GDI Approach at 32 nm Technology. Heliyon. https://doi.org/10.1016/j.heliyon.2024.e31120 (Scopus)(SCIE)(Q1) Elsevier
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30. Devi, A. G., Borra, S. P. R., Krishna, D. H., **Naik, M. R. K**., Sagar, K. V., & Burra, L. R. (2023). Implementing RESNET-50 Transfer Learning Model for Diagnosing OCT Images for Detecting and Classifying DME Abnormalities. Journal of Theoretical and Applied Information Technology, 101(15), 6024-6042.(Scopus)(Q4)
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ISSN 1746-8094, https://doi.org/10.1016/j.bspc.2024.106450. (Scopus)(SCIE)(Q1) ELSEVIER

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35. **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) ELSEVIER
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AY 2022-23

Books	Book Chapters	International Journals	National Journals	International Conferences	National Conferences	Total
-	3	31	-	10	7	51

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AY 2021-22

Book Chapters	International Journals	National Journals	International Conferences	National Conferences	Total
3	26	-	4	31	64

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3. Nomula Rajitha**, A.Satyavati**, "Implementation of Deep Neural Networks for Multi- Classification of Brain Tumor Images",Research Day, CBIT, 28 August 2021.

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