

## 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](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](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](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](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](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 Abdulsahab, 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 Abdulsahab, 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. Deerga 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.
4. Sharathchand Kodam, **Dr. Vinodh Kumar M., Supraja Reddy**, Kavya Chalamalasetty, & Ram Siddardha Tammireddi. (2024). Optimizing Relay based V2V Communication in Non-Line-of-Sight Scenarios: Pathloss Modelling and Strategies. 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.
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](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.