SAVEETHA ENGINEERING COLLEGE
AUTONOMOUS
Affiliated to Anna University | Approved by AICTE

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

FACULTY PUBLICATIONS

PUBLICATION YEAR					
SCI/SCOPUS Journals	**2024-2025**	**2023-2024**	**2022-2023**	**2021-2022**	**Total**
	70	95	29	27	221

S.NO	TITLES	CAY 2024-2025*	CAY 2023-2024	CAY 2022-2023	CAY 2021-2022
1	No. of Peer-reviewed SCI Journal papers published	9	8	NIL	5
2	No. of Peer-reviewed Scopus Journal and Conference papers published	54	66	22	20
3	No. of books/ book chapters published	7	21	7	2

*upto March 2025

SCI Journals:

2024-2025

1. Elumalai, S., Mani, S.V., Govinda Swamy, B. and Gnanasundaram, M., 2025. Topological Information Embedded Convolution Neural Network–Dependent Energy Alert-Cluster Head Selection in WSN. International Journal of Communication Systems, 38(2), p.e6091.https://doi.org/10.1002/dac.6091(SCI)
2. Anand, M. V., Krishnamurthy, A., Kannan, A., & Govindarajan, N. (2025). Secure Routing in Mobile Ad Hoc Networks with Hybrid Tasmanian Gazelle Optimization. IETE Journal of Research, 1–12. https://doi.org/10.1080/03772063.2025.2466683 (SCI)
3. Kulandaivelu, G., Suchitra, M., Pugalenthi, R., & Lalit, R. (2025). An Implementation of Adaptive Multi-CNN Feature Fusion Model With Attention Mechanism With Improved Heuristic Algorithm for Kidney Stone Detection. *Computational Intelligence*, *41*(1), e70028. https://doi.org/10.1111/coin.70028 (SCI)
4. Muthusamy, Ramnath, and Yesubai Rubavathi Charles. (2025) "High-precision malware detection in android apps using quantum explainable hierarchical interaction network." *Knowledge-Based Systems* 310. 112916. https://doi.org/10.1016/j.knosys.2024.112916 (SCI)
5. Suresh, G., Manikandan, G., Bhuvaneswari, G., & Shanthakumar, P. (2024). Pelican Whale Optimization Enabled Deep Learning Framework for Video Steganography Using Arnold Transform-

Based Embedding. *International Journal of Pattern Recognition and Artificial Intelligence*, *38*(02), 2359026. https://doi.org/10.1142/S0218001423590267 (SCI)

6. Nagappan, G., Maheswari, K. G., & Siva, C. (2024). ENHANCING INTELLIGENT TRANSPORT SYSTEMS: A CUTTING-EDGE FRAMEWORK FOR CONTEXT-AWARE SERVICE MANAGEMENT WITH HYBRID DEEP LEARNING. *Simulation Modelling Practice and Theory*, 102979. https://doi.org/10.1016/j.simpat.2024.102979 (SCI)
7. Nagappan, G., Maheswari, K. G., Siva, C., & Shobana, M. (2024). Cluster-based context-aware route service management for smart intelligent autonomous vehicles with industrial transport system. *International Journal of Communication Systems*, *37*(5), e5682. DOI:10.1002/dac.5682 (SCI)
8. Jegan, J., Suresh, R., Subramanian, E. K., Ramachandran, A., Reddy, S. R. R., & Jakeer, S. (2024). Analysis of numerical computation and ANN modelling on the bio-magnetic Darcy-Forchheimer ternary hybrid nanofluid flow: entropy generation. *BioNanoScience*, 1-23. DOI:10.1007/s12668-024-01524-8 (SCI)
9. Malathi, K., Shruthi, S. N., Madhumitha, N., Sreelakshmi, S., Sathya, U., Sangeetha, P. M. (2024). Medical Data Integration and Interoperability through Remote Monitoring of Healthcare Devices. *Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA)*, *15*(2), 60-72. **DOI: 10.58346/JOWUA.2024.I2.005** (SCI)

2023-2024

1. Dhanalakshmi, K., Loganathan, V., Susindhiran, S., Gnanasekar, A., ISSAOUI, N., Kistan, A., & Al-Dossary, O. M. (2024). Exploring photobiological performance of ternary chemical combinations: Ultrasonic, spectroscopic investigations, photochemical reactivity, topology and antimicrobial evaluation of acetic acid trihydrate, 2-[(2-aminoacetyl) amino] acetic acid with methanamide. *Journal of Photochemistry and Photobiology A: Chemistry*, *456*, 115838. https://doi.org/10.1016/j.jphotochem.2024.115838 (SCI)
2. Rajaram, V., Pandimurugan, V., Rajasoundaran, S., Rodrigues, P., Kumar, S. S., Selvi, M., & Loganathan, V. (2024). Enriched energy optimized LEACH protocol for efficient data transmission in wireless sensor network. *Wireless Networks*, 1-16. https://doi.org/10.1007/s11276-024-03802-5 (SCI)
3. Lenin Marksia, U., Yesubai Rubavathi, C. (2024). Accurate segmentation of COVID-19 infected regions in lung CT scans with deep learning. *Neural Computing and Applications*, 1-21. https://doi.org/10.1007/s00521-024-1033 (SCI)
4. Rani, J. P. A., Rubavathi, C. Y. (2024). Enhancing river and lake wastewater reuse recommendation in industrial and agricultural using AquaMeld techniques. *PeerJ Computer Science*, *10*, e2488. https://doi.org/10.7717/peerj-cs.2488 (SCI)
5. Ramnath, M. (2024). Enhancing AppAuthentix recommender systems using advanced machine learning techniques to identify genuine and counterfeit android applications. *PeerJ Computer Science*, *10*, e2515. DOI: 10.7717/peerj-cs.2515 (SCI)
6. Anand, M. V., Krishnamurthy, A., Subramanian, K., & Raju, S. (2024). Advancing security and efficiency in MANET using dynamic algorithm switching. *Peer-to-Peer Networking and Applications*, 1-14. https://doi.org/10.1007/s12083-024-01697-9 (SCI)
7. Suresh, G., Bhuvaneswari, G., Manikandan, G., & Shanthakumar, P. (2024). Chronological bald eagle optimization based deep learning for image watermarking. *Expert Systems with Applications*, *238*, 121545. https://doi.org/10.1016/j.eswa.2023.121545 (SCI)
8. Purushothaman Janaki Ramal, Syed Nawab Syed Althaf, Kannan Vishnulakshmi, Palaniselvan Sundaravadivel, and Rajesh Kumar Dhandapani, "A Compact Wide-Band Circular Slot Quad-Port MIMO Antenna for 5G Wireless Applications," Progress In Electromagnetics Research Letters, Vol. 120, 65-71, 2024. doi:10.2528/PIERL24040301 (SCI)

2021-2022

1. Thapa, K.N.K., Duraipandian, N. Malicious Traffic classification Using Long Short-Term Memory (LSTM) Model. *Wireless Pers Commun* **119**, 2707–2724 (2021). https://doi.org/10.1007/s11277-021-08359-6 SCI
2. Rajeswari, A., Duraipandian, N., Shanker, N.R. *et al.* Efficient Optimization Algorithms for Minimizing Delay and Packet Loss in Doppler and Geometric Spreading Environment in Underwater Sensor Networks. *Wireless Pers Commun* **121**, 49–67 (2021). https://doi.org/10.1007/s11277-021-08623-9 SCI
3. Anwarbasha, H., Sasi Kumar, S., & Dhanasekaran, D. (2021). An efficient and secure protocol for checking remote data integrity in multi-cloud environment. *Scientific reports*, *11*(1), 13755. https://www.nature.com/articles/s41598-021-93073-3 SCI
4. Gopirajan, P.V., Gopinath, K.P., Sivaranjani, G. *et al.* Optimization of hydrothermal liquefaction process through machine learning approach: process conditions and oil yield. *Biomass Conv. Bioref.* **13**, 1213–1222 (2023). https://doi.org/10.1007/s13399-020-01233-8
5. Revathi, A., Kaladevi, R., Ramana, K., Jhaveri, R. H., Rudra Kumar, M., & Sankara Prasanna Kumar, M. (2022). Early detection of cognitive decline using machine learning algorithm and cognitive ability test. *Security and Communication Networks*, *2022*(1), 4190023. https://doi.org/10.1155/2022/4190023.

SCOPUS Journals and Conference papers

2024-2025

1. M. Sandhya, Dhanesh Kumar, G. Bhuvaneswari, G. Manikandan, Ramesh Krishnamaneni, Ashwin Narasimha Murthy,(2025), "A Security Control Strategy Based on Blockchain for Attack Detection in the Health Care Environment" Vol. 10 No. 5s (2025) https://doi.org/10.52783/jisem.v10i5s.629 (SCOPUS)
2. Hemalatha, S., Ahmad, K. S. F., Das, N. N., Krishna, R. V. V., Sathya, U., & Mothukuri, R. (2025). Manet Transport Layer Congestion Control Using a Multilevel Queue Management Scheme. *Journal of Communications*, *20*(1). https://www.jocm.us/2025/JCM-V20N1-22.pdf
3. Sudalai, P., Manoharan, M., Arivendhan, A., & Thilahar, R. (2025). Mechanical and Sliding Wear Characterization of LM14 Aluminium Metal Matrix Hybrid Composites. *International Research Journal of Multidisciplinary Technovation*, *7*(1), 115-122. https://asianrepo.org/index.php/irjmt/article/view/106 (SCOPUS)
4. HEMALATHA, S., S. SHALINI, U. SATHYA, P. KUMARAVEL, S. VAMSEE KRISHNA, and PRAMODKUMAR H. KULKARNI. "AI BASED CLUSTER HEAD BASED MOBILE ADHOC NETWORK FOR PERFORMANCE IMPROVEMENT." *Journal of Theoretical and Applied Information Technology* 102, no. 23 (2024). https://www.jatit.org/volumes/Vol102No23/30Vol102No23.pdf (SCOPUS)
5. HEMALATHA, S., TAVANAM VENKATA RAO, S. SHALINI, SHRUTHI S. NAIR, SURYA LAKSHMI KANTHAM VINTI, and DR G. KRISHNA MOHAN. "MOBILE ADHOC NETWORK INTRUDER NODE DETECTION AND PREVENTION FOR EFFICIENT PACKET TRANSFERING." *Journal of Theoretical and Applied Information Technology* 102, no. 23 (2024). https://www.jatit.org/volumes/Vol102No23/33Vol102No23.pdf (SCOPUS)
6. Kaladevi, R., UmaRani, V., Selvi, S.S., Babu, D.M., Revathi, A. "Health Insurance Recommendation System using Optimized Grid search and Regression Models" Journal of Information Systems Engineering and Management, 2025, 10, pp. 273–284 https://doi.org/10.52783/jisem.v10i2.2147
7. S., N., Muthuswamy, J., Alsalman, O. *et al.* Graphene-Based Machine Learning–Optimized Surface Plasmon Resonance Biosensor Design for Skin Cancer Detection. Plasmonics (2025). https://doi.org/10.1007/s11468-024-02734-2 (SCOPUS)
8. Chamundeeswari, V. V., & Gowri, V. (2025, January). Breast cancer detection using enhanced preprocessing techniques to trace accurate skin air interface. In *AIP Conference Proceedings* (Vol. 3159, No. 1). AIP Publishing. https://doi.org/10.1063/5.0247043

9. Chamundeeswari, V. V., & Gowri, V. (2025, January). Fractal texture analysis for automated breast cancer detection. In *AIP Conference Proceedings* (Vol. 3159, No. 1). AIP Publishing. https://doi.org/10.1063/5.0247044
10. Palani, V., Varshney, A. K., & Subramaniyan, K. (2025, January). A CNN based efficient mask and temperature detecting system. In *AIP Conference Proceedings* (Vol. 3159, No. 1). AIP Publishing. https://doi.org/10.1063/5.0247122
11. Palani, V., Subramaniyan, K., & Subramani, N. (2025, January). An instant medical assistance structure (IMAS) based on artificial intelligence. In *AIP Conference Proceedings* (Vol. 3159, No. 1). AIP Publishing. https://doi.org/10.1063/5.0247124
12. Varshney, A. K., & Palani, V. (2025, January). Compact ambient RF energy scavenger for wireless sensor networks. In *AIP Conference Proceedings* (Vol. 3159, No. 1). AIP Publishing. https://doi.org/10.1063/5.0247158
13. Subramaniyan, K., Sakthivelsamy, R., Palani, V., & Rajendran, L. (2025, January). An efficient deep learning based algorithm for people detection in surveillance videos. In *AIP Conference Proceedings* (Vol. 3159, No. 1). AIP Publishing. https://doi.org/10.1063/5.0247201
14. P. H, R. N. Amarnath, V. G. Sivakumar, T. R, G. Manikandan and G. Bhuvaneswari, 2024, "Cloud-Based Foot Pressure Analysis for Diabetic Care Using ANN," *2024 5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI)*, Tirunelveli, India, 2024, pp. 519-524, doi: 10.1109/ICDICI62993.2024.10810881.
15. A. V. Bhaskar, A. Soujanya, P. J. Ramal, S. SanthanaLakshmi, K. Nithyakalyani and B. R. Kumar, "Enhancing Oral Cancer Screening with Deep Learning Algorithms," *2024 International Conference on Computing, Sciences and Communications (ICCSC)*, Ghaziabad, India, 2024, pp. 1-6, doi: 10.1109/ICCSC62048.2024.10830423.
16. Poojasri, S., Karuppusamy, S., Loganathan, R., Mary, G. I., & Julian, A. (2024, October). Smart Agricultural System Using Machine Learning to Predict Rainfall and Conserve Water for Irrigation. In *2024 4th International Conference on Sustainable Expert Systems (ICSES)* (pp. 734-741). IEEE.
17. P. S, K. S, L. R, J. P. J, G. I. Mary and A. Julian, "Smart Agricultural System Using Machine Learning to Predict Rainfall and Conserve Water for Irrigation," *2024 4th International Conference on Sustainable Expert Systems (ICSES)*, Kaski, Nepal, 2024, pp. 734-741, doi: 10.1109/ICSES63445.2024.10763089.
18. G. Naga Venkata RamaKrishna, S. Sreelakshmi, M. Diwakar, S. Ramkumar, T. Vinithra Banu and T. Thilagam, "A Robust Development of Calorie Prediction Methodology based on Artificial Intelligence Assisted Machine Learning Model," *2024 4th International Conference on Intelligent Technologies (CONIT)*, Bangalore, India, 2024, pp. 1-6, doi: 10.1109/CONIT61985.2024.10627592.
19. G. G. Jerith, S. Jagadeesh, P. P. Jeba Kiruba, C. Mahesh, S. A. Babu and S. Samsudeen Shaffi, "Evaluation of CatBoost for Diabetes Prevention in Comparison to XGBoost: To avert mortality by developing an AI model capable of predicting the onset of diabetes," *2024 International Conference on Electronic Systems and Intelligent Computing (ICESIC)*, Chennai, India, 2024, pp. 319-324, doi: 10.1109/ICESIC61777.2024.10846686.
20. A. Julian, J. V, T. O. T and I. M. B, "PepperShield: Disease Detection with Hyper Tuned Precision," *2024 IEEE 16th International Conference on Computational Intelligence and Communication Networks (CICN)*, Indore, India, 2024, pp. 1242-1248, doi: 10.1109/CICN63059.2024.10847513.
21. A. M, G. I. Mary, A. Julian and A. L. X. R. Selvarathinam, "Improving Heart Disease Prediction with Stacked Ensemble Learning: A Comparison of Binary and Multiclass," *2024 First International Conference for Women in Computing (InCoWoCo)*, Pune, India, 2024, pp. 1-9, doi: 10.1109/InCoWoCo64194.2024.10863760.
22. Mary, G. I., Dixit, C. S., Naresh, B. V., & Julian, A. (2025). Implementation of an Asset Tracking Embedded System using Ultra-Wide Band Technology. *Procedia Computer Science*, *252*, 331-340. https://doi.org/10.1016/j.procs.2024.12.035
23. K. S, V. P, Y. M A and W. A. J, "Innovative Hand Gesture Recognition Techniques for Volume Adjustment in Real-Time," *2024 4th International Conference on Artificial Intelligence and Signal Processing (AISP)*, VIJAYAWADA, India, 2024, pp. 1-5, doi: 10.1109/AISP61711.2024.10870735.

24. B. Yasotha, T. Vijayanandh, P. Thirumoorthy, M. S. Priya, S. S and S. B. Prakalya, "Enabling Protection for Critical Infrastructure through Security and Privacy in the Industrial Internet of Things," *2024 9th International Conference on Communication and Electronics Systems (ICCES)*, Coimbatore, India, 2024, pp. 1071-1076, doi: 10.1109/ICCES63552.2024.10859918.
25. E. Sujatha, M. Jayanthi, N. Sandeepa, D. N. Raju and S. Nagaraj, "Tech-Enabled Altruism: Harnessing Technology in Social Media for Food Waste Reduction," *2024 3rd Edition of IEEE Delhi Section Flagship Conference (DELCON)*, New Delhi, India, 2024, pp. 1-6, doi: 10.1109/DELCON64804.2024.10866809.
26. S. U, S. Hashini, C. Lakshmipriya, V. C. M, M. Nalini and S. S. R, "Emerging Trends and Future Prospects in Internet of Things (IoT) Technology," *2024 International Conference on Sustainable Communication Networks and Application (ICSCNA)*, Theni, India, 2024, pp. 79-85, doi: 10.1109/ICSCNA63714.2024.10864016.
27. S. Nithya, D. Deepa, V. D. Babu, P. G, H. Fawareh and R. D. Kayalvizhy, "A Novel Trust Assessment System for Online Social Networking Environment Using Learning Assisted Classification Model," *2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)*, Chennai, India, 2024, pp. 1-7, doi: 10.1109/ICSES63760.2024.10910428.
28. Abishek, R., and M. Vijay Anand. "Automation Xtreme-A Web Automation AI Tool." In *International Conference on Computational Intelligence in Data Science*, pp. 51-64. Cham: Springer Nature Switzerland, 2024. https://doi.org/10.1007/978-3-031-69986-3_4
29. John Joseph, R., Vijay Anand, M. (2024). Residential Price Analysis Using Machine Learning. In: Owoc, M.L., Varghese Sicily, F.E., Rajaram, K., Balasundaram, P. (eds) Computational Intelligence in Data Science. ICCIDS 2024. IFIP Advances in Information and Communication Technology, vol 718. Springer, Cham. https://doi.org/10.1007/978-3-031-69986-3_12
30. Hemashree, R., Vijay Anand, M. (2024). Driver's Distraction Detection via Hybrid CNN-LSTM. In: Owoc, M.L., Varghese Sicily, F.E., Rajaram, K., Balasundaram, P. (eds) Computational Intelligence in Data Science. ICCIDS 2024. IFIP Advances in Information and Communication Technology, vol 717. Springer, Cham. https://doi.org/10.1007/978-3-031-69982-5_31
31. S. P. Vimal, J. B. J. Peter, U. Kavitha, G. Bhuvaneswari, G. Manikandan and R. Thamizhamuthu, "Automated Injury Detection and Alert Systems in Public Transportation Integrating IoT with Convolutional Neural Networks," *2024 2nd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)*, Erode, India, 2024, pp. 1069-1074, doi: 10.1109/ICSSAS64001.2024.10760851.
32. Yashini, P., G. Karthika, T. Sunitha, and R. Berlin Magthalin. "Machine Learning-Based Textile Fabric Defect Detection Network." In *2024 4th International Conference on Sustainable Expert Systems (ICSES)*, pp. 1470-1477. IEEE, 2024.
33. Chundawat, Dipendra Pal Singh, Gerardine Immaculate Mary, and Anitha Julian. "Intelligent IoT Based Temperature and Humidity Monitoring System for Tobacco Curing Barn." In *2024 International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS)*, pp. 419-423. IEEE, 2024. DOI:10.1109/ICICNIS64247.2024.10823279
34. A. M. Musharuf and M. V. Anand, "Predictive Analysis for Multiple Disease Identification using Machine Learning," *2024 4th International Conference on Sustainable Expert Systems (ICSES)*, Kaski, Nepal, 2024, pp. 790-794, doi: 10.1109/ICSES63445.2024.10763061.
35. S. Ramanjaneyulu, S. E. Khaleelullla, R. K. Tenali, A. Rudraraju, S. Kaliappan and S. K. Pathuri, "Enhanced Rainfall Prediction: Leveraging Ensembling Models for Maximum Forecasting Performance," *2024 3rd International Conference for Advancement in Technology (ICONAT)*, GOA, India, 2024, pp. 1-7, doi: 10.1109/ICONAT61936.2024.10774805.
36. E. Sujatha, R. S. Devi, D. Pavai and K. Saranya, "Comprehensive Analysis of Autism Spectrum Disorder Detection Using Deep Learning," *2024 4th International Conference on Sustainable Expert Systems (ICSES)*, Kaski, Nepal, 2024, pp. 781-785, doi: 10.1109/ICSES63445.2024.10763358.
37. E. Sujatha and S. P. Kumar, "Enhancing Three-Dimensional Human Digitization using Multi-Layer Pixel Alignment for High- Resolution Imaging," *2024 4th International Conference on Sustainable Expert Systems (ICSES)*, Kaski, Nepal, 2024, pp. 689-693, doi: 10.1109/ICSES63445.2024.10763132.
38. Kalaiselvan, K., Venkatesan, M., Rachananjali, K., & Bhuvaneswari, G. (2024). Optimal design of high efficiency wireless charging system for electric vehicle: AHO–GBDT technique. *Energy & Environment*, 0958305X241270231. https://doi.org/10.1177/0958305X241270231 (SCOPUS)

39. Ravindhar, N. V., Sasikumar, S., & Bharathiraja, N. (2024). Integration of cloud-based scheme with industrial wireless sensor network for data publishing in privacy of point source. *International Journal of Cloud Computing*, *13*(2), 124-138. DOI:10.1504/IJCC.2024.137408 (SCOPUS).
40. Sujatha, E., Devi, P., & Ilampiray, P. (2024). Mobile-Based Fitness Monitoring System: A Smartphone-Centric Tracker without External Accessories. *Grenze International Journal of Engineering & Technology (GIJET)*, *10*.(SCOPUS)
41. Sujatha, E., Devi, S. R., Subha, S. S., Raju, D. N., & Loganathan, V. (2024). Intelligent Management Information System: Web Approach. *Grenze International Journal of Engineering & Technology (GIJET)*, *10*.(SCOPUS
42. Sujatha, E. (2024). Crypto Care: Secure Health Vault in the Cloud. *Grenze International Journal of Engineering & Technology (GIJET)*, *10*.(SCOPUS)
43. Sujatha, E., & Rajarajeswari, H. (2024). Theft Detection using Telegram. *Grenze International Journal of Engineering & Technology (GIJET)*, *10*.(SCOPUS)
44. Sujatha, E., Divya, S., Sakthivelan, R. G., & PV, G. (2024). Machine Learning Approach for Handling Imbalanced Students' Performance Data. *Grenze International Journal of Engineering & Technology (GIJET)*, *10*.(SCOPUS)
45. Sujatha, E., & NS, J. (2024). Prediction Analysis: Bitcoin Price using Machine Learning. *Grenze International Journal of Engineering & Technology (GIJET)*, *10*.(SCOPUS)
46. Sujatha, E., Loganathan, V., Sudharsanam, V., Raju, D. N., & Indumathy, T. (2024). Impact of Digital Twin Model in Emerging Domains. *Grenze International Journal of Engineering & Technology (GIJET)*, *10*.(SCOPUS)
47. Sivakumar, A. (2024). Educational Record Sharing Private and Securely. *Grenze International Journal of Engineering & Technology (GIJET)*, *10*.(SCOPUS)
48. Sujatha, E., Divya, M., Nandhini, I., & Raju, D. N. (2024). Robust Heart Rate Monitoring System: Contactless Approach using Fast Fourier Transform. *Grenze International Journal of Engineering & Technology (GIJET)*, *10*.(SCOPUS)
49. Sujatha, E., Sakthivelan, R. G., Subha, S. S., & PV, G. (2024). A Machine Learning Model: Student Verification and Job Placement with Gradient Boosting Machines. *Grenze International Journal of Engineering & Technology (GIJET)*, *10*.(SCOPUS)
50. Nandini, B. P., Reddy, P. S., Mary, G. I., Julian, A., Ramyadevi, R., & Rele, M. (2024, September). Smart Watch with Machine Learning Based Fall Detection System. In *2024 IEEE Region 10 Symposium (TENSYMP)* (pp. 1-7). **DOI:** 10.1109/TENSYMP61132.2024.10752252 IEEE.
51. Selvi, V., Kumar, T. G., Loret, J. S., Kumar, K. S., Julian, A., & Rishi, P. (2024, August). An Enhanced Probabilistic Elastic Net Regression Model (EPERM) for Heart Disease Prediction. In *2024 International Conference on Future Technologies for Smart Society (ICFTSS)* (pp. 112-116). DOI:10.1109/ICFTSS61109.2024.10691373IEEE.
52. Shakila, M., Govindaram, A., & Madhumitha, N. (2024, October). Scalable Framework for Secure and Integrity-Driven Online Examination Systems using Blockchain. In *2024 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)(I-SMAC)* (pp. 715-721). DOI:10.1109/I-SMAC61858.2024.10714861 IEEE.
53. Vaishnavi, T., Shahila, D. F. D., Rosi, A., Ashwini, A., & Priya, M. S. (2024, August). Speed directive for Connected Autonomous Vehicles (CAV) on freeways. In *2024 7th International Conference on Circuit Power and Computing Technologies (ICCPCT)* (Vol. 1, pp. 99-105). DOI:10.1109/ICCPCT61902.2024.10672727.IEEE.
54. RamaKrishna, G. N. V., Sreelakshmi, S., Diwakar, M., Ramkumar, S., Banu, T. V., & Thilagam, T. (2024, June). A Robust Development of Calorie Prediction Methodology based on Artificial Intelligence Assisted Machine Learning Model. In *2023 4th International Conference on Intelligent Technologies (CONIT)* (pp. 1-6). **DOI:** 10.1109/CONIT61985.2024.10627592 IEEE.

2023-2024

1. Robinson Joel, M., Manikandan, G., Bhuvaneswari, G., & Shanthakumar, P. SVM-RFE enabled feature selection with DMN based centroid update model for incremental data clustering using COVID-19. https://doi.org/10.1080/10255842.2023.2236744 Taylor & Francis.

2. Muniappan, A. ., Dalton, G. A. ., Prithiviraj, A. ., Jackulin, T. ., & Karthikayen, A., (2024). Improvement of Packet Delivery Ratio in Wireless Mesh Network Using Hybrid Routing Protocol in VoIP Application. International Journal of Intelligent Systems and Applications in Engineering, 12(12s), 207–222. https://www.ijisae.org/index.php/IJISAE/article/view/4506 (SCOPUS)
3. Louis, A. B. V., & Dalton, G. A. (2024). Resource allocation in paired users: Optimization-assisted user grouping for fairness improvement of NOMA. *International Journal of Communication Systems*, *37*(9), e5771. **https://doi.org/10.1002/dac.5771** (SCOPUS)
4. Julian, A., Mary, G. I., Selvi, S., Rele, M., & Vaithianathan, M. (2024). Blockchain based solutions for privacy-preserving authentication and authorization in networks. *Journal of Discrete Mathematical Sciences and Cryptography*, *27*(2-B), 797-808. DOI : 10.47974/JDMSC-1956 (SCOPUS)
5. Anand, M. V., Krishnamurthy, A., Subramanian, K., & Raju, S. (2024). Advancing security and efficiency in MANET using dynamic algorithm switching. *Peer-to-Peer Networking and Applications*, 1-14. https://link.springer.com/article/10.1007/s12083-024-01697-9 (SCOPUS)
6. Chandrasekaran, G., Dhanasekaran, S., Moorthy, C., & Arul Oli, A. (2024). Multimodal sentiment analysis leveraging the strength of deep neural networks enhanced by the XGBoost classifier. *Computer Methods in Biomechanics and Biomedical Engineering*, 1-23. https://doi.org/10.1080/10255842.2024.2313066 (SCOPUS)
7. Hemalatha, D., Ahmad, K. S. F., Rvv, V. R. T., Sathya, K. U., & Pillai, D. N. M. (2024). Beacon Signal and Sleep and Awake Strategy In Manet For Power Enhancement. *Journal of Theoretical and Applied Information Technology*, *102*(21). https://www.jatit.org/volumes/Vol102No21/11Vol102No21.pdf .(SCOPUS)
8. Joel John, Dinakaran, K., Kavin, F., Anitha, P., Gurupandi, D., & Pradeepa, K. (2024). Enhanced Generalization Performance in Deep Learning for Monitoring Driver Distraction: A Systematic Review. *Journal of Advanced Research in Applied Sciences and Engineering Technology*, *48*(1), 137-151. https://doi.org/10.37934/araset.48.1.137151 .(SCOPUS)
9. Raghuram, S., Manoharan, M., Gayathri, V., & Thilahar, R. (2024). Strength characteristics of steel fiber reinforced concrete with sugarcane bagasse ash and wood ash. *Engineering Research Express*, *6*(4), 045116. https://iopscience.iop.org/article/10.1088/2631-8695/ad92f2 (SCOPUS)
10. V, V. ., Sangeetha, M. ., Mohamed, R. A. H. ., Dalton, G. A. ., Ramadass, R. K. (2023). Fuzzy Rule-Based System to Predict the Sustainability in Machining Process. International Journal of Intelligent Systems and Applications in Engineering, 12(9s), 550 .(SCOPUS) https://ijisae.org/index.php/IJISAE/article/view/4407
11. Sivakumar, N. K., Kaaviya, J., Palaniyappan, S., Rahaman, M., & Pandiaraj, S. (2024). Tribological performance of the novel 3D printed PLA/Almond shell particles added PLA Single Gradient Functionally Graded Material (SGFGM). *Materials Today Communications*, 109611. **DOI:** 10.1109/ICTEST60614.2024.10576157 (SCOPUS)
12. Pandian, P. S. ., Sundaravadivel, P. ., Vinothkumar, E. S. ., & Ramal, P. J. . (2024). Monitoring the Sequence Recovery in Bitcoin Using Convolutional Neural Network and Long Short-Term Model to Hybrid Model. International Journal of Intelligent Systems and Applications in Engineering, 12(20s), 765–772. . https://www.ijisae.org/index.php/IJISAE/article/view/5274 (SCOPUS)
13. Isaac, R. A. ., Sundaravadivel, P. ., Yuvaraj, D. ., Hemavathy, P. ., Ramal, P. J. ., Sankar, P. (2024). Design of Domestic Plants Leaves Disease Detection Using Deep Learning. International Journal of Intelligent Systems and Applications in Engineering, 12(20s), 755–764.(SCOPUS) https://ijisae.org/index.php/IJISAE/article/view/5273
14. Pandian, P. S., Sundaravadivel, P., Isaac, R. A., Hemavathy, P., Vinothkumar, E., Ramal, P. J. (2024). Analysing IoT Smart System Application and Environment by Using Simulated Annealing Techniques. *Journal of Theoretical and Applied Information Technology*, *102*(8). (SCOPUS)
15. Anand, M. V., Rajasekaran, A., Thilahar, R., & Bharathiraja, N. (2023, November). Speech Emotion Recognition with Web Speech API. In *2023 9th International Conference on Smart Structures and Systems (ICSSS)* (pp. 1-6). https://doi.org/10.1109/icsss58085.2023.10407380 IEEE.
16. Rele, M., Julian, A., Patil, D., Sakthekannan, M. S., & Krishnan, U. (2024, April). Machine Learning Methods for Predicting Traffic Congestion Forecasting. In *International Conference on Smart*

Computing and Informatics (pp. 95-110). Singapore: https://doi.org/10.1007/978-981-97-7880-5_9 Springer Nature Singapore.

17. Kirubakaran, D., Lakshmisridevi, S., Ramal, P. J., Rajeswari, M., Rani, A. J. M., & Pandi, V. S. (2024, March). Driving into the Future: Artificial Intelligence based Traffic Sign Recognition using Learning Assisted OCR Principle. In *2024 International Conference on Automation and Computation (AUTOCOM)* (pp. 262-266). DOI:10.1109/AUTOCOM60220.2024.10486186 IEEE.
18. Anitha, C., Rao, V. S., Debroy, S., & Mahaveerakannan, R. (2023, November). Segmentation and Classification of Gastric Cancer from Endoscopic Image Dataset with the Aid of Artificial Intelligence. In *2023 7th International Conference on Electronics, Communication and Aerospace Technology (ICECA)* (pp. 212-218). https://doi.org/10.1109/iceca58529.2023.10394686 IEEE.
19. Julian, A., Suresh, D., & Ramyadevi, R. (2024, February). Gesture-Driven Virtual Mouse: Empowering Accessibility through Hand Movements. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 755-758). DOI:10.1109/IC2PCT60090.2024.10486577 IEEE.
20. Ramyadevi, R., Anbuselvan, A., Julian, A., Selvi, S., & Dhar, M. M. (2024, February). Invoice Processing Automation Using UI Path Studio. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 486-489). DOI:10.1109/IC2PCT60090.2024.10486692 IEEE.
21. Julian, A., & Hariprasath, S. R. (2024, February). Optimizing Customer Segmentation through Machine Learning. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 413-416). DOI:10.1109/IC2PCT60090.2024.10486699 IEEE.
22. Julian, A., & Mohammed, E. U. (2024, February). Understanding Global Warming: An In-depth Analysis and Future Predictions. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 513-518). DOI:10.1109/IC2PCT60090.2024.10486342IEEE.
23. Julian, A., & Pavithra, B. (2024, February). Machine Learning Powered Genre Prediction for Next Level Book Recommendations. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 403-407). **DOI:** 10.1109/IC2PCT60090.2024.10486315 IEEE.
24. Julian, A., Maheswar, C., Ramyadevi, R., Dhar, M. M., & Selvi, S. (2024, February). Analysis and Estimation of Discounts on Product Prices in E-Commerce Sites. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 759-762). **DOI:** 10.1109/IC2PCT60090.2024.10486475 IEEE.
25. Sree, N. N., & Ramyadevi, R. (2024, February). Multiple Cancer Prediction with Image Analysis and Machine Learning. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 481-485). **DOI:** 10.1109/IC2PCT60090.2024.10486632 IEEE.
26. Rajasree, T., & Ramyadevi, R. (2024, February). Time Series Forecasting of Sales Data using Hybrid Analysis. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 732-735). **DOI:** 10.1109/IC2PCT60090.2024.10486340 IEEE.
27. Ramyadevi, R., & Sasidharan, G. (2024, February). Cogniwealth: Revolutionizing Finance, Empowering Investors, and Shaping the Future of Wealth Management. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 378-381). **DOI:** 10.1109/IC2PCT60090.2024.10486594 IEEE.
28. Ramyadevi, R., & Priya, V. (2024, February). Block Chain-Powered E-Voting System: A Secure and Transparent Solution with Three-Tiered OTP Security Mechanism. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 728-731). **DOI:** 10.1109/IC2PCT60090.2024.10486507 IEEE.
29. Julian, A., & Booshanram, R. (2024, March). Data-Driven Decisions: A Machine Learning Perspective on Loan Authorization. In *2024 International Conference on Emerging Smart Computing and Informatics (ESCI)* (pp. 1-5). **DOI:** 10.1109/ESCI59607.2024.10497342 IEEE.

30. UmaRani, V., & Thirisaa, S. (2024, March). Analysis of Pre-Trained CNN Models for Pepper and Potato Leaf Disease Prediction. In *2024 International Conference on Emerging Smart Computing and Informatics (ESCI)* (pp. 1-5). **DOI:** 10.1109/ESCI59607.2024.10497250 IEEE.
31. UmaRani, V., & Anupriya, J. (2024, March). Automated Multiclass Dermatological Diagnosis Prediction using Improved Mobile-Net Model. In *2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)* (Vol. 2, pp. 1-5). **DOI:** 10.1109/IATMSI60426.2024.10503214 IEEE.
32. Julian, A., & Mukund, V. (2024, March). Music to Score Conversion using Machine Learning. In *2024 4th International Conference on Data Engineering and Communication Systems (ICDECS)* (pp. 1-5). **DOI:** 10.1109/ICDECS59733.2023.10502423 IEEE.
33. Kumar, V. B., & Julian, A. (2024, February). AI-Driven Fitness Coach: Webcam-based Form Correction and Rep Counting for Optimized Workouts. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 399-402). IEEE. **DOI:** 10.1109/IC2PCT60090.2024.10486596
34. Julian, A., & Vignesh, S. (2024, February). Computational Approaches for Identifying Potato Plant Pathogens. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 408-412). DOI: 10.1109/IC2PCT60090.2024.10486540IEEE.
35. Julian, A., & Prathima, S. (2024, February). Machine Learning Prognosis for Smartphone Dependency. In *2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)* (Vol. 5, pp. 558-562). **DOI:** 10.1109/IC2PCT60090.2024.10486477 IEEE.
36. Akshitha, K., & Anand, M. V. (2024, March). Flood Prediction System with Voting Classifier. In *2024 2nd International Conference on Device Intelligence, Computing and Communication Technologies (DICCT)* (pp. 306-311). DOI: 10.1109/DICCT61038.2024.10533054 IEEE.
37. Harinee, S., & Anand, M. V. (2024, March). Digital Solutions for Crime Control: A Comprehensive Criminal Identification and Reporting Framework. In *2024 11th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO)* (pp. 1-6). **DOI:** 10.1109/ICRITO61523.2024.10522465 IEEE.
38. UmaRani, V., & Swetha, K. (2024, March). A Hybrid Slime Mould Meta Heuristic Algorithm and Machine Learning Technique for Intrusion Detection System. In *2024 Third International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS)* (pp. 1-5). **DOI:** 10.1109/INCOS59338.2024.10527745 IEEE.
39. Sathishkumar, K., Kishore, R., & Julian, A. (2024, March). Applying Artificial Intelligence for Emotion Detection from Text Messages. In *2024 International Conference on Trends in Quantum Computing and Emerging Business Technologies* (pp. 1-4). **DOI:** 10.1109/TQCEBT59414.2024.10545136 IEEE.
40. Julian, A., & Devipriya, R. (2024, March). Exploring Hyperparameter Tuning Strategies for Optimizing Model Performance. In *2024 International Conference on Trends in Quantum Computing and Emerging Business Technologies* (pp. 1-4). **DOI:** 10.1109/TQCEBT59414.2024.10545054 IEEE.
41. Julian, A., & Varshini, K. (2024, March). Analysis and Prediction of Crimes Against Women. In *2024 3rd International Conference for Innovation in Technology (INOCON)* (pp. 1-5). **DOI:** 10.1109/INOCON60754.2024.10512112 IEEE.
42. Julian, A., & Haripriya, K. (2024, March). NLP based Resume Analysis and Adaptive Skill Assessment System. In *2024 3rd International Conference for Innovation in Technology (INOCON)* (pp. 1-5). **DOI:** 10.1109/INOCON60754.2024.10511967 IEEE.
43. UmaRani, V., & Srimathi, S. (2024, March). Automatic Fabric Defect Detection using Deep CNN-AlexNet Models. In *2024 2nd International Conference on Device Intelligence, Computing and Communication Technologies (DICCT)* (pp. 1-6). **DOI:** 10.1109/DICCT61038.2024.10532991 IEEE.
44. Sujatha, E., & Monica, D. K. (2024, March). Detection of Brain Stroke Using Machine Learning Algorithm. In *2024 2nd International Conference on Device Intelligence, Computing and*

Communication Technologies (DICCT) (pp. 370-375). **DOI:** 10.1109/DICCT61038.2024.10533118 IEEE.

45. Sujatha, E., Manickam, M., Minisha, R. A., Rekha, K. S., & Indumathy, T. (2024, March). Heterogeneous Face Recognition Algorithm: Convolution Neural Network Approach. In *2024 5th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV)* (pp. 205-208). DOI: 10.1109/ICICV62344.2024.00038 IEEE.
46. Sujatha, E., Manickavasagan, V., Lakshminarayanan, S., Minisha, R. A., Rekha, K. S., & Loganathan, V. (2024, March). Interactive Blood Bank Repository: Django AWS Approach. In *2024 5th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV)* (pp. 209-217). DOI: 10.1109/DICCT61038.2024.10533118 IEEE.
47. Ramya, D., Manigandan, S. K., Velmurugan, J., Vishnukumar, A., UmaRani, V., & Reddy, P. S. R. (2024, April). Advanced Brain Tumor Segmentation Using UNet and Multiple Residual Networks. In *2024 2nd International Conference on Networking and Communications (ICNWC)* (pp. 1-8). **DOI:** 10.1109/ICNWC60771.2024.10537566 IEEE.
48. Illakiya, N., & Loganathan, V. (2024, April). Comprehensive Assistive Mobility System for the Visually Impaired: The Smart Blind Stick with Ultrasonic Sensor Solution. In *2024 International Conference on Inventive Computation Technologies (ICICT)* (pp. 2088-2094). **DOI:** 10.1109/ICICT60155.2024.10544554 IEEE.
49. Ashwinkumar, V. K., & Loganathan, V. (2024, April). Cyber Shield An AI-Driven Solution For Identifying Phishing Websites. In *2024 10th International Conference on Communication and Signal Processing (ICCSP)* (pp. 1118-1122). **DOI:** 10.1109/ICCSP60870.2024.10543541 IEEE.
50. Sujatha, E., Manickavasagan, V., Lakshminarayanan, S., Minisha, R. A., Rekha, K. S., & Loganathan, V. (2024, March). Interactive Blood Bank Repository: Django AWS Approach. In *2024 5th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV)* (pp. 209-217). **DOI:** 10.1109/ICICV62344.2024.00039 IEEE.
51. Anithaashri, T. P., Loganathan, V., & Lalitha, R. (2024, May). Efficient Optimization in Dispensation of Cloud applications using Novel Stochastic Gradient with Forward Back Propagation Algorithm. In *2024 4th International Conference on Pervasive Computing and Social Networking (ICPCSN)* (pp. 898-901). **DOI:** 10.1109/ICPCSN62568.2024.00151 IEEE.
52. Sujatha, E., & Janani, D. (2024, March). Real Time Activity Monitoring Using Deep Learning. In *2024 5th International Conference on Innovative Trends in Information Technology (ICITIIT)* (pp. 1-6). IEEE. DOI:10.1109/ICITIIT61487.2024.10580124
53. Julian, A., Narendra, B. N., Chiranjeevi, A., & Reddy, A. C. (2023, January). Prediction of Brain Tumor Classification by using CNN. In *2023 International Conference on Computer Communication and Informatics (ICCCI)* (pp. 1-5). DOI:10.1109/ICCCI56745.2023.10128408 IEEE.
54. Julian, A., Sathishkumar, K., Wenish, J. A., & Kishore, R. (2023, January). Socializing Platform For Educational Institutions. In *2023 International Conference on Computer Communication and Informatics (ICCCI)* (pp. 1-4). DOI:10.1109/ICCCI56745.2023.10128535 IEEE.
55. Julian, A., GaneshReddy, E., Reddy, V. D., & Somasekhar, D. V. V. (2023, January). Safe Trade–A Stock Recommender using Machine Learning Algorithms. In *2023 International Conference on Computer Communication and Informatics (ICCCI)* (pp. 1-7). DOI:10.1109/ICCCI56745.2023.10128595IEEE.
56. Sujatha, E., Subiksha, M. (2024, April). Predictive Precision: A Comparative Study of ML in Alzheimer's Diagnosis. In *2024 1st International Conference on Trends in Engineering Systems and Technologies (ICTEST)* (pp. 01-05). **DOI:** 10.1109/ICTEST60614.2024.10576101 IEEE.
57. Ramya, D., Manigandan, S. K., Velmurugan, J., Vishnukumar, A., UmaRani, V., Reddy, P. S. R. (2024, April). Advanced Brain Tumor Segmentation Using UNet and Multiple Residual Networks. In *2024 2nd International Conference on Networking and Communications (ICNWC)* (pp. 1-8). **DOI:** 10.1109/ICNWC60771.2024.10537566 IEEE.
58. Dorothy, A. B., Sreeja, B. P., Chamundeeswari, V., Madala, R., Singh, D. P., Sucharitha, K. (2023, September). 6G Networks in Unmanned Ariel Vehicle Intelligent Internet of Things Secured Communication. In *2023 6th International Conference on Contemporary Computing and Informatics (IC3I)* (Vol. 6, pp. 1374-1378). **DOI:** 10.1109/IC3I59117.2023.10398062 IEEE.

59. Garg, A., Venkat, S., Shanmugaraj, M., Aggarwal, D., Karthikeyan, T., Chamundeeswari, V. (2023, December). Artificial Intelligence and Machine Learning Based Human Age Detection from Face Image. In *2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)* (pp. 1-5). **DOI:** 10.1109/ICSES60034.2023.10465295 IEEE.
60. Rosi, A., Rose, S. R., Murugan, C. A., Balamurugan, E., Priya, M. S., Lalitha, K. S. (2024, May). Automated Gesture Recognition using Deep Learning Model for Visually Challenged People. In *2024 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI)* (pp. 1-6). **DOI:** 10.1109/ACCAI61061.2024.10602059 IEEE.
61. Prabhu, R., Priya, M. S., Dayana, R., & Suresh, M. (2024, March). Urban Slum Mapping Using Homogeneous Urban Patches. In *2024 Third International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS)* (pp. 1-4). **DOI:** 10.1109/INCOS59338.2024.10527590 IEEE.
62. Ashwini, A., & Loganathan, V. (2024, April). Nutrigrow Using Gradient Boosting Regressor. In *2024 1st International Conference on Trends in Engineering Systems and Technologies (ICTEST)* (pp. 1-4). **DOI:** 10.1109/ICTEST60614.2024.10576157 IEEE.
63. Sujatha, E., Umarani, V., Rekha, K. S., Gopirajan, P. V., Manickavasagan, V. (2023, August). Handling Imbalanced Data for Credit Card Fraudulent Detection: A Machine Learning Approach. In *International Conference on Advances in Artificial Intelligence and Machine Learning in Big Data Processing* (pp. 220-233). https://doi.org/10.1007/978-3-031-73068-9_18 Cham: Springer Nature Switzerland.
64. Sujatha, E., Sundar, J. S. J., Raju, D. N., Lakshminarayanan, S., Suganthi, N. (2024, January). An Intelligent Self-Driving Car's Design and Development, Including Lane Detection Using ROS and Machine Vision Algorithms. In *International Conference on Universal Threats in Expert Applications and Solutions* (pp. 25-40). https://doi.org/10.1007/978-981-97-3810-6_3 Singapore: Springer Nature Singapore.
65. Sujatha, E., Subiksha, M. (2024, April). Predictive Precision: A Comparative Study of ML in Alzheimer's Diagnosis. In *2024 1st International Conference on Trends in Engineering Systems and Technologies (ICTEST)* (pp. 01-05). **DOI:** 10.1109/ICTEST60614.2024.10576101 IEEE.
66. Ashwinkumar, V. K., & Loganathan, V. (2024, April). Cyber Shield An AI-Driven Solution For Identifying Phishing Websites. In *2024 10th International Conference on Communication and Signal Processing (ICCSP)* (pp. 1118-1122). **DOI:** 10.1109/ICCSP60870.2024.10543541 IEEE.

2022-2023

1. Tyagi, M. K., Anitha, C., Ramyadevi, R., Pachar, S., Tata, R. K., Suman, P., & Ahmadi, F. (2023). Maximize the Security for Image Processing Using an Improved Watermarking Approach. *Mathematical Problems in Engineering*, *2023*(1), 5060564. DOI:10.1155/2023/5060564 (SCOPUS)
2. UmaRani, V., Saravanan, V., & Tamilselvi, J. J. (2023). A hybrid grey wolf-meta heuristic optimization and random forest classifier for handling imbalanced credit card fraud data. *Int J Intell Syst Appl Eng*, *11*(9), 718-734. https://www.ijisae.org/index.php/IJISAE/article/view/3220 (SCOPUS)
3. Rosewelt, L. A., Raju, D. N., & Sujatha, E. (2023). A New Sentiment and Fuzzy Aware Product Recommendation System Using Weighted Aquila Optimization and GRNN in e-Commerce. *Information Technology and Control*, *52*(3), 617-637. DOI:10.5755/j01.itc.52.3.33042 (SCOPUS)
4. Srividhya, M., Ramyadevi, R., & Chamundeeswari, V. V. (2024). Detecting the violence from video using computer vision under 2dspatio temporal representations. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 530-533). CRC Press. DOI:10.1201/9781032684994-85
5. Devi, R., Reddy, E. G., Reddy, V. D., & Ganesh, R. (2024). Code together–a code sharing platform. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 525-529). CRC Press.DOI: 10.1201/9781032684994-84
6. Ramyadevi, R., Hemnath, B., Guruprakash, S., Gokulakannan, D., & Vikram, M. (2024). Predicting career opportunities online learning platform. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 514-518). CRC Press. DOI: 10.1201/9781032684994-82

7. Ramyadevi, R., Sandeep, K., Sairam, V. G., & Vaisak, P. (2023). A system for crop recommendation to improve the production management. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 213-217). CRC Press. https://doi.org/10.36548/jscp.2024.1.004
8. Divya, T., Ramyadevi, R., & Chamundeeswari, V. V. (2023). Smart fish monitoring system using IoT. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 270-273). CRC Press.DOI: 10.1201/9781032684994-42
9. Julian, A., Selvi, S., Kumaravel, S. S., Veerasekaran, S., & Sajja, S. S. (2023). Assistive analytics for coronavirus-trends, patterns and predictions. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 203-207). CRC Press. DOI:10.1201/9781032684994-30 (Scopus Indexed)
10. Ganesh, K., Kishore, P., & Julian, A. (2024). Ocular disease recognition using machine learning. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 504-508). CRC Press. DOI:10.1201/9781032684994-80
11. Chamundeeswari, V. V., Raj, V. B., Ajay, A., & Dharmaraj, S. N. (2024). Virtual mouse. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 543-547). CRC Press. https://doi.org/10.1201/9781032684994
12. Sujatha, E., Lavanya, T., Niveditha, C. M., & Saranya, S. (2024). Skin cancer classification using machine learning. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 573-577). CRC Press. DOI:10.1016/j.matpr.2020.07.366
13. Sujatha, E., Krishnan, G. N., Lokesh, S., & Kumar, S. N. (2023). Quality testing for rice grains using deep learning. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 388-392). CRC Press. DOI:10.1063/5.0217255
14. Rani, V. U., & Thirisaa, S. (2023, September). Analysis of various machine learning regression models for AQI prediction. In *2023 3rd International Conference on Innovative Sustainable Computational Technologies (CISCT)* (pp. 1-5). DOI:10.1109/CISCT57197.2023.10351428 IEEE.
15. Julian, A., GaneshReddy, E., Reddy, V. D., & Somasekhar, D. V. V. (2023, January). Safe Trade–A Stock Recommender using Machine Learning Algorithms. In *2023 International Conference on Computer Communication and Informatics (ICCCI)* (pp. 1-7). IEEE. DOI:10.1109/ICCCI56745.2023.10128595 (Scopus Indexed)
16. Julian, A., Narendra, B. N., Chiranjeevi, A., & Reddy, A. C. (2023, January). Prediction of Brain Tumor Classification by using CNN. In *2023 International Conference on Computer Communication and Informatics (ICCCI)* (pp. 1-5). DOI:10.1109/ICCCI56745.2023.10128408 IEEE.
17. Julian, A., Sathishkumar, K., Wenish, J. A., & Kishore, R. (2023, January). Socializing Platform For Educational Institutions. In *2023 International Conference on Computer Communication and Informatics (ICCCI)* (pp. 1-4). DOI:10.1109/ICCCI56745.2023.10128535 IEEE.
18. Venkatakotireddy, G., Reddy, C. L., Prabhakaran, J., Nivethitha, T., & Mahaveerakannan, R. (2023, February). Development of High-Quality Crops using Optimized Machine Learning in Smart Agriculture Environment. In *2023 Third International Conference on Artificial Intelligence and Smart Energy (ICAIS)* (pp. 532-536). IEEE. DOI:10.1016/j.aiia.2020.04.002
19. Anand, M. V., Rajasekaran, A., Thilahar, R., & Bharathiraja, N. (2023, November). Speech Emotion Recognition with Web Speech API. In *2023 9th International Conference on Smart Structures and Systems (ICSSS)* (pp. 1-6). DOI:10.1109/ICSSS58085.2023.10407380 IEEE.
20. Anitha, R., Kishore, N., & Anand, M. V. (2023, November). NextGen Dynamic Video Generator using AI. In *2023 9th International Conference on Smart Structures and Systems (ICSSS)* (pp. 1-8). DOI:10.1109/ICSSS58085.2023.10407412 IEEE.
21. Krishna, G. V. M., & Anand, M. V. (2023, November). Analyzing Personality Insights Through Machine Learning. In *2023 9th International Conference on Smart Structures and Systems (ICSSS)* (pp. 1-8). https://www.proceedings.com/content/072/072922webtoc.pdf IEEE.
22. Rani, V. U., & Thirisaa, S. (2023, September). Analysis of various machine learning regression models for AQI prediction. In *2023 3rd International Conference on Innovative Sustainable Computational Technologies (CISCT)* (pp. 1-5). DOI:10.1109/CISCT57197.2023.10351428 IEEE.

2021-2022

1. Nanda, P., & Duraipandian, N. (2021). Optimized Multi Class Classification Using Simulated Annealing Based Gradient Descent. *Design Engineering*, 5996-6008.SCOPUS
2. Niyaz Ahamed, N., Duraipandian, N. (2022). Secured data storage using deduplication in cloud computing based on elliptic curve cryptography. Computer Systems Science and Engineering, 41(1), 83–94. https://doi.org/10.32604/csse.2022.020071 SCOPUS
3. Magesh, V., Duraipandian, N. (2022). Design of higher order matched FIR filter using odd and even phase process. Intelligent Automation & Soft Computing, 31(3), 1499–1510. https://doi.org/10.32604/iasc.2022.020552 SCOPUS
4. Anand, M. V., KiranBala, B., Srividhya, S. R., Younus, M., & Rahman, M. H. (2022). Gaussian Naïve Bayes algorithm: a reliable technique involved in the assortment of the segregation in cancer. *Mobile Information Systems*, *2022*(1), 2436946. **https://doi.org/10.1155/2022/2436946** SCOPUS
5. Balaji, N., Lakshmi, S., Anand, M., Anbarasan, M., & Mathiyalagan, P. (2022). An efficient scheme for secure feature location using data fusion and data mining in internet of things environment. *Software-practice & Experience*, *52*(3), 642-657. https://doi.org/10.1002/spe.2805 ·
6. Raghavendra, T., Anand, M., Selvi, M., Thangaramya, K., Kumar, S. S., & Kannan, A. (2022). An intelligent RPL attack detection using machine learning-based intrusion detection system for Internet of Things. *Procedia Computer Science*, *215*, 61-70.https://doi.org/10.1016/j.procs.2022.12.007 SCOPUS
7. Anand, K., Vijayaraj, A. & Vijay Anand, M. An enhanced bacterial foraging optimization algorithm for secure data storage and privacy-preserving in cloud. *Peer-to-Peer Netw. Appl.* **15**, 2007–2020 (2022). https://doi.org/10.1007/s12083-022-01322-7 SCOPUS
8. Vinod, D., Bharathiraja, N., Anand, M., & Antonidoss, A. (2021). An improved security assurance model for collaborating small material business processes. *Materials Today: Proceedings*, *46*, 4077-4081. https://doi.org/10.1016/j.matpr.2021.02.611 SCOPUS
9. Vijayaraj, A., Anand, M. V., Mageshkumar, N., Deepan, S., & Karuppiah, S. P. (2021). Allocating Resources in Load Balancing Using Elastic Routing Table. *Annals of the Romanian Society for Cell Biology*, *25*(6), 13051-13063. http://www.annalsofrscb.ro/index.php/journal/article/view/8090 SCOPUS
10. Kannan, A., Rabi, B. J., & Anand, M. (2022). Integration of AI in Insurance and Healthcare: What Does It Mean?. In *Machine Learning for Business Analytics* (pp. 73-86). Productivity Press.**DOI:10.4324/9781003206316-6 SCOPUS Conference**
11. Anand, K., Vijayaraj, A. & Vijay Anand, M. Privacy preserving framework using Gaussian mutation based firebug optimization in cloud computing. *J Supercomput* **78**, 9414–9437 (2022). https://doi.org/10.1007/s11227-021-04173-w SCOPUS
12. Umarani, V., Julian, A., & Deepa, J. (2021). Sentiment analysis using various machine learning and deep learning Techniques. *Journal of the Nigerian Society of Physical Sciences*, 385-394. https://doi.org/10.46481/jnsps.2021.308 SCOPUS
13. Umarani, V., Julian, A., & Deepa, J. (2021). Sentiment analysis using various machine learning and deep learning Techniques. *Journal of the Nigerian Society of Physical Sciences*, 385-394.DOI:10.46481/jnsps.2021.308 SCOPUS
14. Gopirajan, P. V., Gopinath, K. P., Sivaranjani, G., & Arun, J. (2021). Optimization of hydrothermal gasification process through machine learning approach: Experimental conditions, product yield and pollution. *Journal of Cleaner Production*, *306*, 127302. https://doi.org/10.1016/j.jclepro.2021.127302
15. AnwarBasha, H., SasiKumar, S., Dhanasekaran, D., & Arunnehru, J. (2021). A proficient remote information responsibility check protocol in multi-cloud environment. *Evolutionary Intelligence*, *14*(2), 453-467. https://doi.org/10.1007/s12065-019-00273-y SCOPUS
16. Winster, S.G., Kumar, M.N. RETRACTED ARTICLE: Automatic classification of emotions in news articles through ensemble decision tree classification techniques. *J Ambient Intell Human Comput* **12**, 5709–5720 (2021). https://doi.org/10.1007/s12652-020-02373-5

17. Manju, A., Valarmathie, P. RETRACTED ARTICLE: Video analytics for semantic substance extraction using OpenCV in python. *J Ambient Intell Human Comput* **12**, 4057–4066 (2021). https://doi.org/10.1007/s12652-020-01780-y
18. Sudharsanan, R., Gopirajan, P. V., & Kumar, K. S. (2021, February). Efficient feature extraction from multispectral images for face recognition applications: A deep learning approach. In *Journal of Physics: Conference Series* (Vol. 1767, No. 1, p. 012061). IOP Publishing. **DOI** 10.1088/1742-6596/1767/1/012061
19. Revathi, A., Kaladevi, R., Gayathri, A., & Manju, A. (2021). Customized Learning Model Using Learner Activity Analysis. *Management*. DOI: 10.14704/WEB/V18SI04/WEB18152
20. K. A. I. Sailaja, V. M. Varatharaju, K. Muthukrishnan, N. V. Ravindhar, L. Manoharan and S. Gomathi, "Design and Implementation of Flexible Solar Panel for Electric Vehicles," *2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)*, Chennai, India, 2022, pp. 1-6, doi: 10.1109/ICSES55317.2022.9914082.IEEE

Book Chapters:

2024-2025

1. Mary, G. I., Julian, A., Jeffrey, A., Ramyadevi, R., & Rele, M. (2025). A Theoretical Framework for Finding a Business Opportunity in the Healthcare Ecosystem Integrated With Blockchain. In Evolving Landscapes of Research and Development: Trends, Challenges, and Opportunities (pp. 1-28). IGI Global Scientific Publishing. DOI: 10.4018/979-8-3693-7101-5.ch001
2. Mary, G. I., Julian, A., Jeffrey, A., Ramyadevi, R., & Rele, M. (2025). A Theoretical Framework for Finding a Business Opportunity in the Healthcare Ecosystem Integrated With Blockchain. In Evolving Landscapes of Research and Development: Trends, Challenges, and Opportunities (pp. 1-28). IGI Global Scientific Publishing. DOI: 10.4018/979-8-3693-7101-5.ch001
3. Renugadevi, R. (2025). An Optimal Method of Assessing the Quality of Water Using Integrated AI and Blockchain Methodology. In J. Ruiz-Vanoye & O. Díaz-Parra (Eds.), Smart Water Technology for Sustainable Management in Modern Cities (pp. 261-284). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3693-8074-1.ch011
4. Muthusamy, R.K. et al. (2025). Optimized Task Scheduling in Diverse Distributed Systems with a Hybrid Genetic Algorithm Approach. In: Reddy, V.S., Prasad, V.K., Wang, J., Rao Dasari, N.M. (eds) Intelligent Systems and Sustainable Computing. ICISSC 2024. Smart Innovation, Systems and Technologies, vol 417. Springer, Singapore. https://doi.org/10.1007/978-981-97-8355-7_18
5. Ayyaswamy, K., Gobinath, V. M., Kathirvel, N., & Maheswaran, C. P. (2025). AI-Based Automated Disease Detection Based on Symptoms Healthcare for Pets and Birds. In *AI and the Revival of Big Data* (pp. 311-346). IGI Global Scientific Publishing. DOI: 10.4018/979-8-3693-8472-5.ch014
6. Julian, A., & Ramyadevi, R. (2025). Journey into the Digital Frontier: Demystifying Neural Networks and Deep Learning. In *Deep Learning in Medical Image Analysis* (pp. 1-15). Chapman and Hall/CRC. https://doi.org/10.1201/9781003343172
7. Sujatha, E., Suthan, G., Sudharsan, J., Shreedhar, M., & Pradhyun, P. (2024). Agricultural production monitoring platform based on cloud computing. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 583-587). CRC Press. https://doi.org/10.1201/9781032684994

2023-2024

1. Julian, A., Selvi, S., Kumaravel, S. S., Veerasekaran, S., & Sajja, S. S. (2023). Assistive analytics for coronavirus-trends, patterns and predictions. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 203-207). CRC Press. DOI:10.1201/9781032684994-30
2. Julian, A., Somasekhar, D. V. V., Vardhan, R. H., & Naidu, H. V. (2023). Crime rate prediction using K-means algorithm. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 519-524). CRC Press. DOI:10.1201/9781032684994-83
3. Ganesh, K., Kishore, P., & Julian, A. (2024). Ocular disease recognition using machine learning. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 504-508). CRC Press. DOI:10.1201/9781032684994-80

4. Julian, A., Priya, M. L., & Chamundeeswari, V. V. (2024). E-voting system with secure blockchain alert on data tampering. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 538-542). CRC Press. DOI:10.1201/9781032684994-87
5. Julian, A., Ramyadevi, R., Subiksha, V., & Breetha, S. D. (2023). Real time object detection and object size measurement. *Artificial Intelligence, Blockchain, Computing and Security Volume 2*, 208-212. CRC Press. DOI:10.1201/9781032684994-31
6. Julian, A., Akash, R., & Reddy, C. C. (2023). Recommendation of commodities exchange using various deep learning algorithm. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 470-475). CRC Press. DOI: 10.1201/9781032684994-74
7. Julian, A., Deepika, R., Geetha, B., & Sweety, V. J. (2023). Heart disease prediction using machine learning. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 248-253). CRC Press. DOI:10.1201/9781032684994-38
8. Devi, R., Reddy, E. G., Reddy, V. D., & Ganesh, R. (2024). Code together–a code sharing platform. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 525-529). CRC Press. DOI: 10.1201/9781032684994-84
9. Sreevidya, M. V., Ramyadevi, R., & Chamundeeswari, V. V. (2024). Node to node communication security In IoT networks with hybrid cryptography and steganography system. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 534-537). CRC Press. https://ierj.in/journal/index.php/ierj/article/view/3946
10. Ramyadevi, R., Hemnath, B., Guruprakash, S., Gokulakannan, D., & Vikram, M. (2024). Predicting career opportunities online learning platform. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 514-518). CRC Press. DOI: 10.1201/9781032684994-82
11. Ramyadevi, R., Sandeep, K., Sairam, V. G., & Vaisak, P. (2023). A system for crop recommendation to improve the production management. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 213-217). CRC Press. https://doi.org/10.36548/jscp.2024.1.004
12. Divya, T., Ramyadevi, R., & Chamundeeswari, V. V. (2023). Smart fish monitoring system using IoT. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 270-273). CRC Press. DOI:10.11591/eei.v12i3.3365
13. Chamundeeswari, V. V., Varshan, G. S., Kumar, Y. S., & Sudarson, A. M. (2024). Surveillance of species at risk by unarmed aerial vehicles. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 242-247). CRC Press. DOI: 10.1201/9781032684994
14. Rani, V. U., Reddy, K. Y., Kumar, M. P., & Raju, T. R. R. (2023). Blockchain based voting system using Ethereum network. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 382-387). CRC Press. DOI:10.17577/IJERTV9IS070183
15. Umarani, V., Raj, M. J., Kumar, K. G., & Reddy, S. V. (2024). Cartoonify real-time images using machine learning. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 499-503). CRC Press.DOI: 10.1201/9781032684994-79
16. Mervin, R., & Ramyadevi, R. (2024, March). AI-Infused Sales Prediction for Smart Stock Maintenance. In *International Conference On Emerging Trends In Expert Applications & Security* (pp. 175-184). Singapore: https://doi.org/10.1007/978-981-97-3745-1_15 Springer Nature Singapore.
17. Yasin Sharif, A., & Ravindhar, N. V. (2024, February). Improved Evaluator for Subjective Answers Using Natural Language Processing. In *International Conference on Computational Intelligence in Data Science* (pp. 98-109). https://doi.org/10.1007/978-3-031-69982-5_8 Cham: Springer Nature Switzerland.
18. Sakthi Murugeswari, S., Sujatha, E. (2024, February). Analyzing Meteorological Data for Curated Music Selection. In *International Conference on Computational Intelligence in Data Science* (pp. 234-240). https://doi.org/10.1007/978-3-031-69986-3_17 Cham: Springer Nature Switzerland.
19. Pradeep, S., & UmaRani, V. (2024, February). Drug Sentiment Analysis: A Comprehensive Study Using Regression Models and Natural Language Processing. In *International Conference on Computational Intelligence in Data Science* (pp. 16-28). https://doi.org/10.1007/978-3-031-69982-5_2 Cham: Springer Nature Switzerland.
20. Sowjanya, S., & Vijaya Chamundeeswari, V. (2024, February). Information Extraction Using RPA and Generative AI from Unstructured Documents: A Case of Invoices. In *International Conference on*

Computational Intelligence in Data Science (pp. 250-264). https://doi.org/10.1007/978-3-031-69986-3_19 Cham: Springer Nature Switzerland.

21. Hemavathy, P., Priya, M. S., Sundaravadivel, P., Vinothkumar, E. S., & Kumar, K. S. (2024, March). Harnessing AI Mining Methodologies to Anticipate the Probability of Gestational Diabetes Mellitus Occurrence. In *International Conference On Emerging Trends In Expert Applications & Security* (pp. 295-303). https://doi.org/10.1007/978-981-97-3991-2_25 Singapore: Springer Nature Singapore.

2022-2023

1. Julian, A., Ramyadevi, R., Subiksha, V., & Breetha, S. D. (2023). Real time object detection and object size measurement. *Artificial Intelligence, Blockchain, Computing and Security Volume 2*, (pp. 208-212). CRC Press. DOI:10.1201/9781032684994-31
2. Julian, A., Akash, R., & Reddy, C. C. (2023). Recommendation of commodities exchange using various deep learning algorithm. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 470-475). CRC Press.DOI: 10.1201/9781032684994-74
3. Julian, A., Deepika, R., Geetha, B., & Sweety, V. J. (2023). Heart disease prediction using machine learning. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 248-253). CRC Press. DOI:10.1201/9781032684994-38
4. Julian, A., Rao, B. S. K., Chowdary, P. M., & Upendra, N. (2023). Digital currency price prediction. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 260-264). CRC Press. DOI:10.1201/9781032684994-40
5. Selvi, S., Thilagavathy, A., Shobarani, P., Julian, A., Haritha, M. L., & Therasa, P. R. (2023). Text classification using similarity measure and fuzzy function concept analysis. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 554-558). CRC Press. DOI:10.1201/9781032684994-90
6. Julian, A., Deepika, R., Geetha, B., & Sweety, V. J. (2023). Heart disease prediction using machine learning. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 248-253). CRC Press. DOI:10.1201/9781032684994-38
7. Julian, A., Rao, B. S. K., Chowdary, P. M., & Upendra, N. (2023). Digital currency price prediction. In *Artificial Intelligence, Blockchain, Computing and Security Volume 2* (pp. 260-264). CRC Press. DOI:10.1201/9781032684994-40

2021-2022

1. Julian, A., & Ramyadevi, R. (2022). Construction of Deep Representations. In *Prediction and Analysis for Knowledge Representation and Machine Learning* (pp. 81-109). Chapman and Hall/CRC. 10.1201/9781003126898-4.
2. Julian, A., Marian Jose, J. (2021). Multi-criteria Leader Selection in Ad Hoc Networks Using Fuzzy Analytical Hierarchy Process. In: Komanapalli, V.L.N., Sivakumaran, N., Hampannavar, S. (eds) Advances in Automation, Signal Processing, Instrumentation, and Control. i-CASIC 2020. Lecture Notes in Electrical Engineering, vol 700. Springer, Singapore. https://doi.org/10.1007/978-981-15-8221-9_269