



JSS MAHAVIDYAPEETHA

JSS ACADEMY OF TECHNICAL EDUCATION

JSSATE Campus, Uttarahalli – Kengeri Main Road, Bengaluru – 560060

Department of Electronics & Communication Engineering

Publications Details

Journal Publications: 2025

1. Veeramma Yatnalli, Saroja S Bhusare, Gahan S S, Devanandan V, Darshan K M, Anish Krishna, “A Robust Deep Learning-Based Modulation Classification Framework for Noisy Communication Channels”, DOI:10.22266/ijies2025.0930.02 International Journal of Intelligent Engineering & Systems, ISSN:2185-310X
2. Veeramma Yatnalli, Saroja S Bhusare, Praveen M Dulavvagol, Guruprasad Kannurmath, Rajani Shetty, “DABFT: A Novel Adaptive Byzantine Fault Tolerance Framework for High-Performance Blockchain Consensus”, DOI: <https://doi.org/10.48084/etasr.11970>, Engineering Technology Applied Science & Research, eISSN: 1792-8036, pISSN:2241-4487
3. Shaista Tarannum, Usha S. M,” An Efficient and Scalable Reinforcement Learning-Driven Intelligent Resource Management and Secure Framework for LoRaWAN”, DOI:10.14569/issn.2156-5570, International Journal of Advanced Computer Science and Applications (IJACSA) ISSN: 2319-6890 (online)
4. Ravi Mahadevaiah, Usha Shiramally Mallppa, “ Clipped Rectified Linear Unit based Multipath Deep Convolutional Neural”, DOI: 10.22266/ijies2025.0630.46, International journal of intelligent engineering and systems, ISSN: 2185310X, 21853118
5. Mahesh H.B, Usha S.M, G.F. Ali Ahammed and Mallikarjunaswamy S,” Optimized Efficiency of IoT-Based Next-Generation Smart- Wireless Sensor Networks Using a Machine Learning Algorithm”, DOI:<http://dx.doi.org/10.12785/ijcnds/1571107237>, International Journal of Computing and Digital Systems-ISSN: 2535-9886 (Print) / 2210-142X (Online)
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8. Dr. Sudhir Anakal , Poornima N, Abdurasul Bobonazarov, Janjhyam Venkata Naga Ramesh, Elangovan Muniyandy, Mandava Manjusha, Prof. Ts. Dr. Yousef A.Baker El-Ebiary, “AI-Driven NAS-GBM Model for Precision Agriculture: Enhancing Crop Yield Prediction Accuracy.”, DOI: 10.14569/issn.2156-5570, International Journal of Advanced Computer Science & Applications ISSN : 2156-5570 (Online)
9. Dr. Mallikarjunaswamy S, Poornima M , Anitha T N,” An Efficient Internet of Things based Intrusion detection and Optimization Algorithm for Smart Network”, DOI:10.12785/ijcads/1571001227, International Journal of Computing and Digital System, ISSN: 2535-9886 (Print) / 2210-142X (Online)
10. Divyashree Yamadur Venkatesh, Komala Mallikarjunaiah, Mallikarjunaswamy Srikantaswamy, “Efficient reconfigurable parallel switching for low-density parity-check encoding and decoding”, DOI: <http://doi.org/10.11591/ijai.v14.i1.pp260-269> , International Journal of Artificial Intelligence (IJ-AI), ; ISSN: 2252-8938
11. Jyothi Honnegowda, Komala Mallikarjunaiah, Mallikarjunaswamy Srikantaswamy,” Efficient reduction of computational complexity in video surveillance using hybrid machine learning for event recognition”, DOI: <http://doi.org/10.11591/ijai.v14.i1.pp317-326>, International Journal of Artificial Intelligence(IJ-AI), p-ISSN 2089-4872, e-ISSN 2252-8938
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13. Kavitha Hosakote Shankara, Mallikarjunaswamy Srikantaswamy, Sharmila Nagaraju, " An efficient load-balancing in machine learning-based DC-DC conversion using renewable energy resources.", DOI: <http://doi.org/10.11591/ijai.v14.i1.pp307-316>, International Journal of Artificial Intelligence(IJ-AI), p-ISSN 2089-4872, e-ISSN 2252-8938
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16. Poornima Madaraje Urs, Anitha Thulavanur Narayana Reddy, Srikantaswamy Mallikarjunaswamy, Umashankar Mynayakanahally Lakshminarayan, "An Innovative IoT Framework using Machine Learning for Predicting Information Loss at the DataLink Layer in Smart Networks.", DOI: <https://doi.org/10.48084/etasr.9597>, Engineering, Technology & Applied Science Research. eISSN - 1792-8036, pISSN - 2241-4487
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30. Ajit Kumar, Nishant Sharan, Vipul Dixit, S. K. Ghorai, R. Karibasappa, K. P. Ravikumar, and Amresh Kumar, "Minimizing positioning error through strategic LED arrangement: circular layout superiority in ANN-based VLP.", DOI: <https://doi.org/10.1364/AO.568213> Applied Optics, Dec 2025; ISSN: 1559-128X (print); ISSN: 2155-3165 (online).
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Conference Publications: 2025

1. Sunita Shirahatti, Sowmya R Bangari, Deepika A J, Haritha D, Yashaswini B M, "Reversible Logic based Kogge -Stone Adder: Implementation and Analysis", 4th International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE); DOI: 10.1109/ICDCECE65353.2025.1103
2. Vidyashree K N, Mallikarjunaswamy S, Sharmila N, "Fault Tolerance in Fog Computing with Architectures Scheduling and Optimization for IoT", International Conference on Intelligent and Cloud Computing (ICoICC); DOI: 10.1109/ICoICC64033.2025.11052006
3. S Sheela, A P Latha, S Jyothi, H J Vidyanani, M Komala, N Sharmila, S Mallikarjunaswamy, "Enhancing Stockpile Management Through Deep Learning with a Focus on Demand Forecasting and Inventory Optimization", International Conference on Recent Advances in Science and Engineering Technology (ICRASET); DOI: 10.1109/ICRASET63057.2024.10895608
4. H Jyothi, M Komala, S Mallikarjunaswamy, "Advancing Event Recognition in Videos Using Hybrid Deep Learning Model", International Conference on Recent Advances in Science and Engineering Technology (ICRASET) DOI: 10.1109/ICRASET63057.2024.10895392
5. H. S. Aravind, Mahesh Kumar, B.H. Raghunath, P.B. Praveen, Abhilash Manu, Kumar B. Kalyan, T. C. Manjunath, "Development of Advanced Intelligent Security

Systems for Smart Transportation : Leveraging Image Detection with Python and OpenCV Concepts.”, First International Conference on Artificial Intelligence, Computation, Communication and Network Security (AICCoNS 2025)

6. Aravind H S, Savitha AC, Usha S M, Amulys S Iyengar, Rakshita, Amoghavarsha N D, “Design and Analysis of 6T SRAM cell in 45nm Technology Node”, First International Conference on Artificial Intelligence, Computation, Communication and Network Security (AICCoNS 2025)
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