

JSS Academy of Technical Education, Bengaluru-60
Electronics and Instrumentation Engineering
Publications from 2023-2025

Jan - Dec 2023

Journal

[1] Komala K, D. Jayadevappa & G Shivaprakash, "Human emotion detection and classification using modified Viola-Jones and convolution neural network", IAES International Journal of Artificial Intelligence, Vol. 12, No. 1, pp. 79–86, March 2023.

[2] Subodh S. Ingaleshwar, D. Jayadevappa & Nagaraj V. Dharwadkar, "Sine cosine bird swarm algorithm-based deep convolution neural network for reversible medical video watermarking", Multimedia Tools and Applications, <https://doi.org/10.1007/s11042-023-14495-x>, March 2023.

[3] Sumana Achar, and Jayadevappa D, "Optimized Recurrent based Training Accelerator for Network-On-Chip Communication System," IAENG International Journal of Computer Science, vol. 50, no. 4, pp.1410-1419, Dec. 2023.

Conferences

[4] Nagesha Shivappa, A Survey on Classic Examples of Constraint Satisfaction Problems with Solutions and Applications, IEEE SMART GENCON, Bengaluru

Jan - Dec 2024

Journal

[1] Sumana Achar and D Jayadevappa, "An Intelligent Network Router based on Data Segregation", IAENG Engineering letters, Accepted for publication.

[2] Harshitha S, Development of a Lossless Compression Algorithm Using Content-Based Classification of Image Block for Wireless Capsule Endoscopic Image, Journal of Electrical Systems, July 2024

Conferences

[3] Nagesha Shivappa, An autoML algorithm to select suitable decision tree algorithm for classification, 2024 IEEE GCCIT, Bengaluru.

[4] Nagesha Shivappa, An autoML algorithm to select linear regression model and its performance evaluation for linear datasets, 2024 IEEE GCAT, Bengaluru.

[5] Harshitha S, Review of Digital and Medical Image-based Compression Techniques, 9th International Conference on Soft Computing: Theories and Applications-SoCTA 2024,

Jan – Dec 2025

Journals

[1] Harshitha S, Low-power hybrid CORDIC-DCT and CAVLC-based image compression for real-time wireless capsule endoscopy, Ingénierie des Systèmes d'Information, September 2025

[2] Sowmya M S, Infrared thermography for the diagnosis and monitoring of Raynaud's phenomenon: current evidence and future directions, Reumatologia, December 2025

Conferences

[1] Nagesha Shivappa, A Preprocessing Algorithm to Identify Errors in Datasets for AutoML, 2025 IEEE IDCIoT, Bengaluru

[2] Shilpa H.R., Smart Giant Walker: Advanced confident mobility, IC-AISMART 2025, December 2025.

[3] Shilpa H.R, Automated Horn Based Horn Control, IC-AISMART 2025, December 2025,

[4] Harshitha S, A Review on Remote Controlled Oil Skimming Device with IoT Based Mobility and Mechanical Filtration, IC-AISMART 2025, December 2025.