

## Department of ISE

### JOURNAL Publication details 2056- 2026

S.I No	Authors (Listed as published in the article)	Title	Journal Name	ISSN	Q1/Q2/Q3/Q4/NA	DOI	Link to PDF
1	Vani, E.S., Gururaj, H.M. & Karunakara Rai	HCVINet: A Multimodal Deep Learning approach for Medicinal Plant Classification on Using Visual and Semantic Features	<u>SN Computer Science: Springer</u>	266299 5X	Q2	10.1007/s42979-025-04099-7	<a href="https://doi.org/10.1007/s42979-025-04099-7">https://doi.org/10.1007/s42979-025-04099-7</a>
2	<u>Behera, Ranjit Kumara;Manjula Gururaj H;Roy. Diptendu Sinha, Tripathy, Siba</u>	An Intelligent Completion Time Aware Task Scheduling (CTATS) Algorithm for Fog Computing Environment for Delay Sensitive IoT Applications	<u>Procedia Computer Science</u>	187705 09	Q2	10.1016/j.procs.2025.04.437	-
3	<u>Kumar Reddy, K Hemant, Gururaj, Manjula H, Bailayar Singh, Raj Kumara</u>	An Ensemble Learning based Energy Forecasting Model: A	<u>Procedia Computer Science</u>	155132 03	Q2	10.1109/TII.2024.3505429	<a href="https://www.sciencedirect.com/science/article/pii/S187705092501467X">https://www.sciencedirect.com/science/article/pii/S187705092501467X</a>

		Sustainable Home Energy Management System for Smart City					
4	Rama Moorthy, Hejamadi, Avinash N.J, Krishnaraj Rao N.S, Raghunandan K.R., Dodman e, Radhakrishna ,Blum, Jeremy Joseph, Gabra Ila, Lubna A	Dual stream graph augmented transformer model integrating BERT and GNNs for context aware fake news detection	Scientific Reports	20452322	Q1	10.1038/s41598-025-05586-w	<a href="https://www.scopus.com/pages/publications/105010595899">https://www.scopus.com/pages/publications/105010595899</a>
5	<u>Vasudeva Pai, B. H</u> , <u>Karthik Pai, G. S</u> , <u>Sudhiksha, Vandy</u> , <u>Kamath, K. Varsha, S.</u> , <u>Manjunatha</u>	Systematic Approach for Malware Detection in IoT Devices: Enhancing Security and Performance	International Journal of Computational Intelligence Systems	18756883, 18756891	Q2	10.1007/s44196-025-00939-9	<a href="https://link.springer.com/article/10.1007/s44196-025-00939-9">https://link.springer.com/article/10.1007/s44196-025-00939-9</a>
6	G Ramesh, Mahammad Sahil, Shashank A Palan, Darshan Bhandary, Teli Abhishek Ashok, J Shreyas, N Sowjanya	A review on NLP zero-shot and few-shot learning: methods and applications	Discover Applied Sciences	3004-9261	Q1	<a href="https://doi.org/10.1007/s42452-025-07225-5">https://doi.org/10.1007/s42452-025-07225-5</a>	

7	G. RAMESH , T. VAIKUNTA PAI, RAMONA BIRAU, KARTHIK K. POOJARY, ABHAY, N. SOWJANYA, VIRGIL POPESCU, ADRIAN T. MITROI, K. M. KIRAN RAJ	A Comprehen sive Review on Scaling Machine Learning Workflows Using Cloud Technologi es and DevOps	IEEE Access	2169- 3536	Q1	<a href="https://doi.org/10.1109/ACCESS.2025.3599281">10.1109/ACCESS.2025.3599281</a>	<a href="https://ieeexplore.ieee.org/document/11126113">https://ieeexplore.ieee.org/document/11126113</a>
8	<u>Sowmya P.</u> <u>Vasudeva,</u> <u>Manjula</u> <u>Gururaj Rao</u>	Enhancing Accuracy of Chatbot with Optimizers and Deep Learning Algorithms	IAENG Internatio nal Journal of Computer Science	1819- 9224	Q3		<a href="https://www.iaeng.org/IJCS/issues_v52/issue_9/IJCS_52_9_19.pdf">https://www.iaeng.org/IJCS/issues_v52/issue_9/IJCS_52_9_19.pdf</a>
9	Hanumanthap pa, Priyanka;Men on, Ananya;Rao, Manjula Gururaj	Enhancing network security using FLAT for classifying intrusion attacks	<u>Internatio nal Journal of Informatio n and Computer Security</u>	ISSN: 1744- 1765; eISSN: 1744- 1773	Q3	DOI: 10.1504/IJICS.2025.148456	
10	Ramya D. Shetty; T. Manoj; Shrutilipi Bhattacharje e; Vasudeva	NDWC: Global Scaling With Reducing Factor for Influence Ranking in Weighted Complex Networks	IEEE Access	Print ISSN: 2169- 3536 Online ISSN: 2169- 3536	Q1	<a href="https://doi.org/10.1109/ACCESS.2025.3624006">10.1109/ACCESS.2025.3624006</a>	<a href="https://ieeexplore.ieee.org/document/11213507">https://ieeexplore.ieee.org/document/11213507</a>
11	<u>M. Ashwin</u> <u>Shenoy, N.</u> <u>S.</u> <u>Santhosh &amp;</u>	Bi- directional ConvLSTM networks for early	Scientific Reports	204523 22	Q1	<a href="https://doi.org/10.1038/s41598-025-22898-z">https://doi.org/10.1038/s41598-025-22898-z</a>	<a href="https://www.nature.com/articles/s41598-025-22898-z">https://www.nature.com/articles/s41598-025-22898-z</a>

	<u>S. Sandeep Kumar</u>	recognition of human activities and action prediction					
12	Ravi Babu & Govind Sreekar Shenoy	Deployment cost optimization in fiber-wireless network: A study of greedy and dynamic-programming based approaches	Optical Fiber Technology	1068-5200	Q2	<a href="https://doi.org/10.1016/j.yofte.2025.104477">https://doi.org/10.1016/j.yofte.2025.104477</a>	<a href="https://www.sciencedirect.com/science/article/pii/S1068520025003529">https://www.sciencedirect.com/science/article/pii/S1068520025003529</a>
13	Linda Varghese, Rajesh R Pai, G Savitha, S Girisha, Naganna Chetty	Manual annotation based sentiment analysis of user feedback in health and wellness app reviews	Scientific Reports				
14	Moorthy, H. Rama, Acharya, Shreenath, Shetty, Kavana, Salian, Jathin, Cardoza, Royston, Rao, N S Krishnaraj, Shetty, Amrithkala M	A Novel Sequencing Framework for Multi-object Scene Interpretation in Coverless Image Steganography Using DETR and Graph R-CNN	SN Computer Science	2662995X	Q1	<a href="https://doi.org/10.1007/s42979-025-04650-6">https://doi.org/10.1007/s42979-025-04650-6</a>	<a href="https://link.springer.com/article/10.1007/s42979-025-04650-6?utm_source=getftr&amp;utm_medium=getftr&amp;utm_campaign=getftr_pilot&amp;getft_integrator=scopus">https://link.springer.com/article/10.1007/s42979-025-04650-6?utm_source=getftr&amp;utm_medium=getftr&amp;utm_campaign=getftr_pilot&amp;getft_integrator=scopus</a>
15	Sowmya P, Vasudeva	Trust and Ethics in Chatbots: A Framework	IEEE Access	2169-3536	Q1	10.1109/ACCESS.2026.3653763	<a href="https://ieeexplore.ieee.org/document/11348933">https://ieeexplore.ieee.org/document/11348933</a>

		for Responsible AI Interactions					
16	Nidhi N Pai, Preethi Salian K, Ganesh Kumar K, Vasanth K R	Application of Levenberg-Marquardt backpropagation algorithm to the Yamada-Ota model for thermal study of a - /Hexanol hybrid fluid: A heat transfer system	Case Studies in Thermal Engineering	2214-157X	Q1	<a href="https://doi.org/10.1016/j.csite.2025.107518">https://doi.org/10.1016/j.csite.2025.107518</a>	<a href="https://www.sciencedirect.com/science/article/pii/S2214157X25017782?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S2214157X25017782?via%3Dihub</a>
17	H. Rama Moorthy, N. S. Krishnaraj Rao, N. J. Avinash, B. Ravi Prakash, S. Kishore K. R. Raghunandan, K. Karthik	Exploring New Frontiers in Digital Watermarking and Fingerprinting: A Review of Emerging Security Solutions	SN Computer Science	2662995X	Q1	<a href="https://doi.org/10.1007/s42979-026-04748-5">https://doi.org/10.1007/s42979-026-04748-5</a>	<a href="https://link.springer.com/article/10.1007/s42979-026-04748-5?utm_source=getftr&amp;utm_medium=getftr&amp;utm_campaign=getftr_pilot&amp;getftr_integrator=scopus">https://link.springer.com/article/10.1007/s42979-026-04748-5?utm_source=getftr&amp;utm_medium=getftr&amp;utm_campaign=getftr_pilot&amp;getftr_integrator=scopus</a>