



S.A. ENGINEERING COLLEGE

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DEPARTMENT OF INFORMATION TECHNOLOGY

FACULTY PUBLICATIONS

ACADEMIC YEAR : 2023 - 2024					
PUBLICATION TYPE: SCIE Journals					
Sl. No.	Author(s)	Title of the paper	Name of the Journal with volume no., issue no and page no.	Month/Year of publication	DOI
1.	Dr.M. Geetha	Hybrid Archimedes Sine Cosine optimization enabled Deep Learning for multilevel brain tumour classification using MRI images	Biomedical Signal Processing and Control, Volume 87, Part B, 2024, 105419, ISSN 1746-8094	September 2023	https://doi.org/10.1016/j.bspc.2023.105419
2.	Dr.S. Kotteswaran	A Deep Auto-Optimized Collaborative Learning (DACL) model for disease prognosis using AI-IoMT systems	Scientific reports 14, 10280	04 May 2024	https://doi.org/10.1038/s41598-024-59846-2
3.		A supervised learning approach for the influence of comorbidities in the analysis of COVID-19	Soft Computing	03 June 2023	https://doi.org/10.1007/s00500-023-08590-2



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		mortality in Tamil Nadu			
4.	Mrs. A.M Sermakani	Dynamic Provisioning of Virtual Machine Using Optimized Bit Matrix Load Distribution in Federated Cloud'	Journal of Intelligent & Fuzzy Systems, vol. 45, no. 6, pp. 11613-11627, 2023	07 October 2023	DOI: 10.3233/JIFS-232897
5.	Mrs Hima Vijayan	A-MKMC: An effective adaptive-based multilevel K-means clustering with optimal centroid selection using 3.hybrid heuristic approach for handling the incomplete data	Data & Knowledge Engineering, Volume 150, 102243, ISSN 0169-023X	22 November 2023	https://doi.org/10.1016/j.datak.2023.102243

PUBLICATION TYPE: ESCI/Scopus Indexed Journals

Sl. No.	Author(s)	Title of the paper	Name of the Journal with volume no., issue no and page no.	Month/Year of publication	DOI
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1.	Dr.M. Geetha	Shuffled Shepherd Social Political Optimized Deep Learning For Rice Leaf Disease Classification and Severity Percentage Prediction	Biomedical Engineering: Applications, Basis and Communications	21 June 2024	https://doi.org/10.4015/S1016237224500133
2.	Dr.S. Kotteswaran	Leather Image Quality Classification and Defect Detection System using Mask Region-based Convolutional Neural Network Model	International Journal of Advanced Computer Science and Applications (IJACSA), 15(4)	January 2024	http://dx.doi.org/10.14569/IJACSA.2024.0150455
3.	Mrs. T. Veena	Security challenges for routing protocols in mobile ad hoc network	International Journal of Electronic Security and Digital Forensics	01 May 2024	https://doi.org/10.1504/IJESDF.2024.138338
4.	Mrs. D Chithra	Optimised Routing Protocol In Wireless Sensor Networks For Natural Disaster Avoidance And Environmental Protection	Journal of Environmental Protection and Ecology 24(6), pp. 2036–2046	2023	https://scibulcom.net/en/article/zZkKJ8939FdCWxddq5nU
5.	Mrs. S. Krishnaveni	Cloud computing-based computer forensics: a deep	International Journal of Electronic Security and Digital Forensics, Vol. 16,	01 May 2024	https://doi.org/10.1504/IJESDF.2024.138355



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		learning technique	No. 3, pp 317-328		
6.	Mrs. S. Asha	A novel colour image encryption algorithm using S-box technique	International Journal of Electronic Security and Digital Forensics (IJESDF), Vol. 16, No. 2, 2024	March 2024	DOI: 10.1504/IJESDF.2024.137045
7.	Mrs Hima Vijayan	Detection of Botnet using deep learning algorithm: application of machine learning in cyber-security	International Journal of Electronic Security and Digital Forensics (IJESDF), Vol. 16, No. 2, 2024	March 2024	DOI: 10.1504/IJESDF.2024.137030
8.	Mrs. K Valarmathi	Ai-Driven Prediction Models For Medical Image Enhancement And Analysis Using Deep Learning	South Eastern European Journal of Public Health ISSN: 2197-5248	14 June 2024	DOI: https://doi.org/10.70135/seejph.vi.793

PUBLICATION TYPE: SCOPUS Conferences

Sl. No.	Author(s)	Title of the paper	Name of the Conference	Month/Year of	DOI
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				publication	
1.	Mrs. A.M Sermakani	Quantum-Resistant Wireless Intrusion Detection System using Machine Learning Techniques	2023 7th International Conference On Computing, Communication, Control And Automation (ICCUBEA)	22 January 2024	DOI: 10.1109/ICCUBEA58933.2023.10392127
2.	Ms. Julia Faith S	Multimodal Sentimental Analysis Using GloVe Convolutional Neural Network with Capsule Network	2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNWC)	22 February 2024	DOI: 10.1109/ICMNWC60182.2023.10435957
3.	Mrs. T. Veena	Face Detection and Classification using Convolutional Neural Network with Channel Attention Module	2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNWC)	22 February 2024	DOI: 10.1109/ICMNWC60182.2023.10435738
4.		Deep Belief Network Based Intrusion Detection in Vehicle Ad Hoc Network	2024 International Conference on Distributed Computing and Optimization Techniques (ICDCOT)	08 May 2024	DOI: 10.1109/ICDCOT61034.2024.10515496



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5.	Mr. P Senthil	Lightweight GWO-LSTM-Based Land Cover Classification using Remote Sensing Images	2023 International Conference on Evolutionary Algorithms and Soft Computing Techniques (EASCT)	22 January 2024	DOI: 10.1109/EASCT59475.2023.10393821
6.		Hybrid of Ant Colony and Artificial Bee Colony Optimization for Resource Allocation in Cognitive Radio Networks	International Conference on Distributed Computing and Optimization Techniques, ICDCOT 2024	08 May 2024	DOI: 10.1109/ICDCOT61034.2024.10516257
7.		Gated Recurrent Unit with Adaptive Golden Jackle Optimization based Efficient Resource Scheduling in Mobile Cloud Computing	International Conference on Distributed Computing and Optimization Techniques, ICDCOT 2024	15 March 2024	DOI: 10.1109/ICDCOT61034.2024.10516152
8.	Mrs. S. Krishnaveni	Analysis of Wireless Internet of Things to Medical Health Care Patient Applications	2023 First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI)	03 January 2024	DOI: 10.1109/ICAEECI58247.2023.10370890
9.		IoT-Embedded Traffic Cones with CNN-based Object Detection to Roadwork Safety	2024 2nd International Conference on Intelligent Data Communication	22 March 2024	DOI: 10.1109/IDCIoT59759.2024.10467840



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			Technologies and Internet of Things (IDCIoT)		
1	Mrs. S. Asha	Cloud Computing's Effect on Video Games Streaming	2023 2nd International Conference on Automation, Computing and Renewable Systems (ICACRS)	26 January 2024	DOI: 10.1109/ICACRS58579.2023.10404378
1	Mrs. Hima Vijayan	Revolutionizing Healthcare With Cloud Computing: The Impact of Clinical Decision Support Algorithm	2023 International Conference on Artificial Intelligence for Innovations in Healthcare Industries (ICAIHI)	15 April 2024	DOI: 10.1109/ICAIHI57871.2023.10489022
1	Mrs. Sutha Merlin J	Intrusion Detection System using Improved Wild Horse Optimizer-Based DenseNet for Cognitive Cyber-Physical System in Industry 4.0	2024 International Conference on Distributed Computing and Optimization Techniques (ICDCOT)	08 May 2024	DOI: 10.1109/ICDCOT61034.2024.10515662

PUBLICATION TYPE: Book Chapters

Sl. No.	Author(s)	Title of the Chapter	Name of the Book, ISBN	Month/Year of publication	DOI
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1.	Dr. M. Geetha	Learning Approaches for Security and Privacy in Internet of Things	Modern Approaches in IoT and Machine Learning for Cyber Security. Internet of Things. Springer. Print ISBN 978-3-031-09954-0	08 December 2023	https://doi.org/10.1007/978-3-031-09955-7_4
2.	Mrs. D Chithra	Hybrid Railway Safety Optimization With Neural Networks and Random Forests	Spectrum and Power Allocation in Cognitive Radio Systems ISBN 13: 9798369328934	June 2024	DOI: 10.4018/979-8-3693-2893-4