



S.A. ENGINEERING COLLEGE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LIST OF FACULTY PUBLICATIONS

ACADEMIC YEAR 2023-24

INTERNATIONAL JOURNAL: SCI

S. No	Name Of The Faculty	Papers Published			
		Title of the Paper	Name of the Journal	Month & Year of Publication	DoI
1	Dr.R.Geetha	Delayed dynamics analysis of SEI2RS malware propagation models in cyber-Physical systems	Computer Networks	May 2024	https://doi.org/10.1016/j.comnet.2024.110481
2	Dr.M.Anuradha	MMCNN-ZO: Modified multi-scale convolutional neural network-based zebra optimization for enhancing data encryption system	Peer-to-Peer Networking and Applications	Feb 2024	https://link.springer.com/article/10.1007/s12083-023-01592-9
3	Dr.M.Anuradha	<i>A fuzzy optimal lightweight convolutional neural network for deduplication detection in cloud server</i>	Iranian Journal of Fuzzy Systems	Feb 2024	10.22111/IJFS.2023.45797.8070
4	Dr.D.Heman and	Trust aware clustering based secure routing techniques in wireless sensor network	Journal of Intelligent & Fuzzy Systems	June 2023	http://doi.org/10.3233/JIFS-223197



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5	Dr.D.Heman and	Human Action Recognition Using Difference of Gaussian and Difference of Wavelet	Big Data Mining And Analytics	Sep 2023	10.26599/BDM A.2022.902004 0
6	Dr.S.Sivaku mar	Ensemble-based deep learning techniques for customer churn prediction model	Emerald Insights.	Feb 2024	10.1108/K-08- 2023-1516
7	Dr.A.Antoni doss	A novel hybrid credit scoring model: integrating RNN and XGBoost for improved creditworthiness assessment	Journal of Control and Decision	Jan 2024	https://doi.org/10.1080/23307706.2024.2352437
8	Dr.M.Nalini	Leather Image Quality Classification and Defect Detection System using Mask Region-based Convolution Neural Network Model	International Journal of Advanced Computer Science and Applications	Apr 2024	http://dx.doi.org/10.14569/IJA-CSA.2024.0150455
9	Mr.A.Mani	A proficient resource allocation using hybrid optimization algorithm for massive internet of health things devices contemplating privacy fortification in cloud edge computing environment	Wireless Networks (2024)	Nov 2023	https://doi.org/10.1007/s11276-023-03549-5



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10	Mr.Prabhu	Blocking intrusion logic using optimized multi-head convolution in wireless sensor network	Journal of Intelligent & Fuzzy Systems	Jun 2023	10.3233/JIFS-231756
11	Ms.V.Sureka	Dynamic task offloading and collaborative task execution using three tier edge cloud computing (T2EC2) system for autonomous vehicles	Journal of Intelligent and Fuzzy Systems	Feb 2024	http://dx.doi.org/10.3233/JIFS-220970
12	Ms.KB.Aruna	Gaming using different hand gestures using artificial neural network	EAI Endorsed Transactions on Internet of Things	Feb 2024	https://doi.org/10.4108/eetiot.5169
13	Ms.KB.Aruna	Development of hybrid heuristic-assisted dynamic data auditing strategy in cloud sector	Transactions on Emerging Telecommunications Technologies	Jan 2024	https://doi.org/10.1002/ett.4937
14	Mr.V.Kaliraj	A design of movie script generation based on natural language processing by optimized ensemble deep learning with heuristic algorithm	Data & Knowledge Engineering	July 2023	https://doi.org/10.1016/j.datak.2023.102150



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FACULTY PUBLICATIONS - INTERNATIONAL JOURNAL: SCOPUS

S.No	Name Of The Faculty	Papers Published			
		Title of the Paper	Name of the Journal	Month & Year of Publication	DoI
1	Dr. R.Geetha	Prediction and analysis of covid-19 using the deep learning models	Research on biomedical engineering	Jan 2024	https://doi.org/10.1007/s42600-024-00338-7
2	Dr. R.Geetha	Human Stress Detection in and Through Sleep Patterns Using Machine Learning Algorithms	Journal of The Institution of Engineers (India): Series B	May 2024	https://doi.org/10.1007/s40031-024-01079-y
3	Dr.M.Anuradha	Cardiovascular Abnormalities Classification Model Using Machine Learning and Signal Processing Techniques	International Journal of Intelligent systems and Applications in Engineering	Nov 2023	https://ijisae.org/index.php/IJISAE/article/view/3926
4	Dr.M.Anuradha	A Comprehensive Survey of Deep Learning: Advancements, Applications, and Challenges	International Journal on Recent and Innovation Trends in Computing and Communication	Aug 2023	https://doi.org/10.17762/ijritcc.v11i8s.7225



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5	Dr.M.Anuradha	Anomaly Detection for Internet of Things Security Attacks Based on Recent Optimal Federated Deep Learning Model	Journal of Internet Services and Information Security	July 2023	http://doi.org/10.58346/JISI.S.2023.I3.007
6	Dr.D.Hemanand	An Image Denoising Scheme Remove Unwanted Pixel Using NLM with Sprint Deep Learning Network	International Journal of Intelligent Systems and Applications in Engineering	Dec 2022	https://ijisae.org/index.php/IJISAE/article/view/2207
7	Dr.D.Hemanand	An Intelligent Prairie Dog Optimization (IPDO) and Deep Auto-Neural Network (DANN) based IDS for WSN Security	Iraqi Journal for Computer Science and Mathematics	Oct 2023	https://doi.org/10.52866/ijcsm.2023.04.04.004
8	Dr.D.Hemanand	Performance Comparison of Different Digital and Analog Filters Used for Biomedical Signal and Image Processing	Journal of Information Technology Management	Feb 2024	https://doi.org/10.22059/jitm.2024.96379
9	Dr.A.Antonidoss	Enhancing Credit Score Analysis: A Novel Approach with Random Forest and Kernel SVM	SSRG International Journal of Electronics and Communication Engineering	Nov 2023	https://doi.org/10.14445/23488549/IJECE-V10I11P105



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10	Dr. D.Chitradevi	Customer churn prediction model in enterprises using machine learning	International Journal of Advanced Technology and Engineering Exploration	Jan 2024	10.19101/IJATEE.2023.10101581
11	Dr. D.Chitradevi	Harvesting the future energy-optimised machine-to-machine communications for smart grid networks	Journal of Environmental Protection and Ecology	Apr 2024	https://scibulcom.net/en/article/EWSFMbuLpOmEA0JsHlEI
12	Dr. D.Chitradevi	Enhancing MANET Security: A WatchDog Routing Algorithm Approach for Intruder and Black Hole Attack Detection	International Journal of Computational Methods and Experimental Measurements	May 2024	https://doi.org/10.18280/ijcmem.120107
13	Dr. D.Chitradevi	Novel Beam Sector Antenna-Based Routing Protocol for MANET Hidden and Exposed Terminal Problem	International Journal of Engineering Trends and Technology	May 2024	https://doi.org/10.14445/22315381/IJETT-V72I4P103
14	Dr.M.Nalini	AI and IoT applications in medical domain enhancing healthcare through technology integration	AI and IoT-Based Technologies for Precision Medicine	Sep 2023	10.4018/979-8-3693-0876-9.ch017



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15	Dr.M.Nalini	Machine Learning-Driven PCOS Prediction for Early Detection and Tailored Interventions	SSRG International Journal of Electrical and Electronics Engineering	Sep 2023	https://doi.org/10.14445/23488379%2Fijeee-v10i9p106
16	Dr.M.Nalini	A Comprehensive Survey of Deep Learning: Advancements, Applications, and Challenges	International Journal on Recent and Innovation Trends in Computing and Communication	Aug 2023	10.17762/ijritcc.v11i8s.7225
17	Dr.M.Nalini	Exploring Current Trends and Challenges in Cybersecurity: A Comprehensive Survey	International Journal on Recent and Innovation Trends in Computing and Communication	Aug-2023	https://doi.org/10.17762/ijritcc.v11i10s.7590
18	Dr.M.Nalini	Machine learning algorithms for predicting of chronic kidney disease and its significance in healthcare	International Journal of Advanced Technology and Engineering Exploration, 11(112), pp. 388-404	May 2024	10.19101/IJATEE.2023.10101788.
19	MrC.Balakrishnan	Artificial Intelligence in Human Resource Management: Advancements, Implications and Future Prospects	International Journal on Recent and Innovation Trends in Computing and Communication	Sep 2023	https://doi.org/10.17762/ijritcc.v11i11s.8099 , ISN: 2321-8169 Volume: 11 Issue: 11s



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20	MrC.Balakrishnan	Optimizing Prediction Accuracy in High-Dimensional Data: Comparative Analysis of Feature Selection Methods with Naive Bayes Algorithm	SSRG International Journal of Electronics and Communication Engineering	Mar 2024	https://doi.org/10.14445/23488549/IJECE-V11I3P105
21	Mr.Balasubramanian	Deep transfer learning based real time face mask detection system with computer vision	Multimedia Tools and Applications	Jul 2023	https://doi.org/10.1007/s11042-023-16192-1

FACULTY PUBLICATIONS - INTERNATIONAL CONFERENCE

S. No	Name Of The Faculty	Papers Published			
		Title of the Paper	Name of the Journal/Conference	Month & Year of Publication	DoI
1	Dr.M.Anuradha	Secured Voting System based on Blockchain	2nd International Conference on Augmented Intelligence and Sustainable Systems	Sep 2023	https://doi.org/10.1109/ICAISS58487.2023.10250456
2	Dr.M.Anuradha	Hybrid Multiple Cryptography for Data Encryption	8th International Conference on Communication and Electronics Systems (ICCES)	Aug 2023	https://doi.org/10.1109/ICCES57224.2023.10192838



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3	Dr.M.Anuradha	Finding Missing Person Using Image Similarity and Euclidean Loss	4th International Conference On Internet Of Things	Jan 2024	DOI: 10.1063/5.0217620
4	Dr.D.Hemanand	A Comprehensive Analysis of Various Delineation method for Exudates in Fundus Images using Miniaturized Pi Board	Journal of Physics: Conference Series/ 2466 (2023) 012021	Jul 2023	10.1088/1742-6596/2466/1/012021
5	Dr.D.Hemanand	An Efficient System for Grading Diabetic Retinopathy by Detecting the Location of Lesions	Artificial Intelligence and Sustainable Computing	Sep 2023	https://doi.org/10.1007/978-981-99-1431-9_57
6	Dr.D.Hemanand	Investigation of a Bidirectional ZVS Resonant Converter for Renewable Energy Applications	IEEE Xplore	Feb 2024	10.1109/ICECA58529.2023.10395420
7	Dr.A.Antonidoss	Optimizing Creditworthiness Assessment: Leveraging PCA and ESVM for Improved Credit Score Analysis	IEEE conference	Apr 2024	10.1109/ICTEST60614.2024.10576158
8	Dr.A.Antonidoss	Privacy Preservation Using Network Coding Against Traffic Analysis in Wireless Network	IEEE conference	Apr 2024	https://doi.org/10.1007/978-981-99-8976-8_34



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9	Dr.A.Antonidoss	A Comprehensive Approach for Predicting Different Types of Retinal Detachment with ML Algorithms	IEEE conference	Apr 2024	https://doi.org/10.1007/978-981-99-8976-8_29
10	Dr. D.Chitradevi	Knowledge Base Learning Portal For Organization	IEEE conference	Aug 2023	https://doi.org/10.1109/ICCSE57224.2023.10192686
11	Dr. D.Chitradevi	High Definition P2P Streaming: Quantitative Schema Analysis	IEEE conference	Aug 2023	https://doi.org/10.1109/ACCAI58221.2023.10200388
12	Dr. D.Chitradevi	An Architecture-based Self-Typing Service for Cloud Native Applications	IEEE conference	Oct 2023	https://doi.org/10.1109/ICOSEC58147.2023.10276313
13	Dr.M.Nalini	A Comprehensive Survey on Naive Bayes Algorithm: Advantages, Limitations and Applications	4th International Conference on Smart Electronics and Communication, ICOSEC 2023	Oct 2023	https://doi.org/10.1109/ICOSEC58147.2023.10276274
14	Dr.M.Nalini	Observing and Predicting Land Slide using Three Stage Warning System in WSN	4th International Conference on Electronics and Sustainable Communication Systems	Aug 2023	https://doi.org/10.1109/ICESC57686.2023.10193295
15	Dr.M.Nalini	A Finger Vein Image Recognition based on DLT	4th International Conference on Electronics and Sustainable Communication Systems, ICESC 2023 - Proceedings	Aug 2023	https://doi.org/10.1109/ICESC57686.2023.10193078



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16	Dr.M.Nalini	Paddy Plant Leaf Disease Classification based on Artificial Intelligence	4th International Conference on Electronics and Sustainable Communication Systems	Aug 2023	https://doi.org/10.1109/ICESC57686.2023.10193536
17	Dr.M.Nalini	Predictive Modelling for Lung Cancer Detection using Machine Learning Techniques	8th International Conference on Communication and Electronics Systems	Aug 2023	https://doi.org/10.1109/ICCES57224.2023.10192648
18	Dr.M.Nalini	Cloud-based Smart Water Management System	International Conference on Sustainable Computing and Smart System	Jul 2023	https://doi.org/10.1109/ICSCSS57650.2023.10169753
19	Mr.C.Balakrishnan	Leveraging Machine Learning for Customer Intelligence : An Experimental Analysis Learning Classifiers	3rd International Conference on Evolutionary Computing and Mobile Sustainable Networks	Oct 2023	https://doi.org/10.1016/j.procs.2023.12.068
20	Mr.C.Balakrishnan	An Effective Detection Method using Optimized Decision Tree Classification for Network based Intrusion	7th International Conference on Electronics, Communication and Aerospace Technology	Feb 2024	https://doi.org/10.1109/ICECA58529.2023.10394812
21	Mr.C.Balakrishnan	Risk Prediction Modeling for Breast Cancer using	Second International Conference on Automation, Computing and Renewable Systems	Jan 2024	https://doi.org/10.1109/ICACRS58579.2023.10404482



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22	Mr.C.Balakrishnan	Support Vector Machines:Unveiling the power supply and Versatility of SVMs in Modern Machine Learning	International Conference on Innovative Mechanisms for Industry Applications	Oct 2023	https://doi.org/10.17762/ijritcc.v11i11s.8099
23	Mr.A.Mani	A Robust system for disaster detection and management model	International Conference on Research Methodologies in Knowledge Management	Jan 2024	https://doi.org/10.1109/RMKMATE59243.2023.10369430
24	Mrs.V.Saraswathi	AR Upgraded Windshield	IEEE conference	Jan 2024	https://doi.org/10.1109/RMKMATE59243.2023.10368919
25	Mrs.V.Saraswathi	Vehicular Assistance Using ML Algorithm	International Conference on Communication, Computing and Internet of Things	Apr 2024	10.1109/IC3IoT60841.2024.10550406
26	Mrs.K B.Aruna	Deep Learning-Based Automated System for Multi-Classification of Plant Diseases in Real-Time Environments	International Conference on Communication, Computing and Internet of Things	Apr 2024	http://dx.doi.org/10.1109/IC3IoT60841.2024.10550310
27	Ms.S.Arumai shiney	Implementation of FIFO design using Verilog HDL to avoid data losses in transmission	Seventh International Conference on Electronics, Communication and Aerospace Technology	Nov 2023	10.11091/ICNWC60771.2024.10537600
28	Ms.S.Arumai shiney	Artificial Intelligence - Enabled Smart Grids: Enhancing Efficiency and Sustainability	2nd IEEE International Conference on Networking and Communications	Apr 2024	10.1109/ICECA58529.2023.10395590



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29	Mrs.S.Arumai Shiney	Empowering Patient Care: A Novel Patient Drug Recommendation System Using Artificial Intelligence with Modified Learning Strategy	International Conference on Computing and Data Science	Apr 2024	10.1109/IC CDS60734. 2024.1056 0419
30	Mrs.J.Sangeetha	Optimizing Inter-Cell Resource Partitioning in Network Slicing: A Game-Theoretic Approach	Global Conference for Advancement in Technology	Apr 2024	979-8-3503-7668-5/24
31	Mrs.S.Gayathri	A Survey on Natural Language Processing and its Applications	4th International Conference on Electronics and Sustainable Communication Systems	Jul 2023	10.1109/ICE SC57686.20 23.1019346 9
32	Mrs.S.Gayathri	A comprehensive survey of machine learning: Advancements, applications, and challenges	Second International Conference on Augmented Intelligence and Sustainable Systems	Aug 2023	10.1109/ICA ISS58487.20 23.1025054 7
33	Mr.R.Nithyan andhan	Maximizing the Revolutionary Potential of Quantum Computing: Challenges, Opportunities, and Future Directions	10th International Conference on Communication and Signal Processing	Jun 2024	10.1109/ICC SP60870.20 24.1054394 7



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FACULTY PUBLICATIONS - BOOK CHAPTER

S. No	Name Of The Faculty	Papers Published			
		Title of the Paper	Name of the Journal/Conference	Month & Year of Publication	DoI
1	Dr.M.Anuradha	Blockchain-Enabled Precision Agricultural System Using IoT and Edge Computing	Smart Trends in Computing and Communications/Lecture Notes in Networks and Systems	Jun 2023	https://link.springer.com/chapter/10.1007/978-981-99-0769-4_35
2	Mrs.M.Kavitha	Artificial Intelligence Clustering Techniques on Dermoscopic Skin Lesion Images	Book-Applied Artificial Intelligence	Sep 2023	https://doi.org/10.1201/9781003324430-11