

E. G. S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Journal Publications Details (2022-2023)

Sl No	Name of the Author(s)	Department of the Author(s)	Title of the Paper	Name of the Journal	Vol, Issue, Month and Year of publication, Pages	ISSN	Link to the notification in UGC enlistment of the Journal
1	Dr. K. Balasubramanian	CSE	Unique Secure Cracking with Efficient Path Detection Routing Technique	Journal of Environmental Protection and Ecology	Vol 24, issue 3, March,2023, 1022-1031	1311-5065	https://scibulcom.net/en/journal/1311-5065/issue/2023-24-3/
2	Mr. V. R. Sugumaran	CSE	Packet Aggregation in MANET based Environment Risk Assessment	Journal of Environmental Protection and Ecology	Vol 23, issue 8, AUG, 2022, 3592-3600	1311-5065	https://scibulcom.net/en/article/11k6ycUYkrosKWR47B39
3	Mr. G. Arulselvan	CSE	Node Selection in an Ad Hoc Network for Environmental Monitoring	Journal of Environmental Protection and Ecology	Vol 23, issue 8, AUG, 2022, 3564 - 3573	1311-5065	https://scibulcom.net/en/article/bhjDFsdenkr5Gnw4zsFG
4	Dr. R. Manivannan	CSE	An IoT based environment conscious green score meter towards smart sustainable cities	Sustainable Computing: Informatics and Systems	Vol 37, issue 100839, Jan 2023, 1-6.	2210-5379	https://doi.org/10.1016/j.suscom.2022.100839
5	Dr. M. Chinnadurai	CSE	Optimization of Strength Properties of Reactive Powder Concrete by Response Surface Methodology	Journal of Shanghai Jiaotong University	Vol 29(5), June 2023, pp. 900–908.	1995-8188	https://link.springer.com/article/10.1007/s12204-023-2612-0
6	Mr. A. Baskar	CSE	Hybrid Optimaization based Multi-path routing for dynamic Cluster- based MANET	Cybernetics and Systems	Vol 56, No1, Jan 2023, PP. 46-68	0196-9722	https://www.tandfonline.com/doi/full/10.1080/01969722.2023.2166249

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1	Mr. V. R. Sugumaran	CSE	Lightweight block chain assisted intrusion detection system in energy efficient MANETs	Journal of Intelligent and Fuzzy Systems	Vol: 45, Issue :3, P: 4261-4276	1875-8967	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs231340
2	Mr. G. Arul Selvan	CSE	Hybrid trust based secure routing protocol for detection of routing attacks in environment monitoring over manets	Journal of Intelligent & Fuzzy Systems	Vol.45, issue no 4 pp. 6575-6590	1875-8967	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs231905
3	Dr. R. Manivannan	CSE	Research on IoT-based hybrid electrical vehicles energy management systems using machine learning-based algorithm	Sustainable computing: informatics and systems, Elsevier publications	Vol 41, issue 100943, page no1_13	2210-5387	https://www.sciencedirect.com/science/article/abs/pii/S2210537923000987?dgcid=rss_sd_all
4	Dr. S. Subasree, Mr. G. Arul Selvan	CSE	Crop yield prediction using multi-attribute weighted tree-based support vector machine	Measurements and Sensors	Vol 31, Issue 101002	2665-9174	https://www.sciencedirect.com/science/article/pii/S2665917423003380
5	Dr. R. Manivannan	CSE	Privacy-Preserving Image Storage on Cloud using an unified Cryptographic	Salud, ciencia y Tecnologia - serie de	Vol 3, issue 609	2953-4860	https://conferencias.saludcyt.ar/index.php/sctconf/article/download/609/608?inline=1

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6	Dr. R. Manivannan	CSE	Performance enhancement of cloud security with migration algorithm for choosing virtual machines in cloud computing	Engineering Research Express, IOP Publisher	Vol 6 issue 015204	2631-8695	https://iopscience.iop.org/article/10.1088/2631-8695/ad2ef9/pdf
7	Dr. R. Manivannan	CSE	Location based Access Privileges and Controlling the Clustering in Sustainable 5G Challenges	Salud, ciencia y Tecnologia - serie de conferencias	Vol 3, issue 402, Page: 1077	2953-4860	doi: 10.56294/sctconf2023402 https://conferencias.ageditor.ar/index.php/sctconf/article/view/1077
8	Dr. M. Priya	CSE	Computational overhead analysis for mitigation of content poisoning attack in NDN based Iot body area N/W	Procedia computer science	230,(2023) 257-263	1877-0509	https://www.sciencedirect.com/science/article/pii/S1877050923020860
9	Dr. K. Balasubramanian	CSE	Learning of energy efficient and network traffic delay in wireless networks using channel aware routing	JATIT	(2024) VOL:102 N0:3 Page no:1066	1817-3195	https://www.jatit.org/volumes/Vol102No3/23Vol102No3.pdf
10	Dr. N. Murali	CSE	Smart commodities public distribution system using Iot sistema intelligence distribution public ade productions basicos mediante IoT	Salud, ciencia y Tecnologia - serie de conferencias	Vol:3, Issue: 624 Jan 2024, Page: 1086	2953-4860	https://conferencias.ageditor.ar/index.php/sctconf/article/view/1086
11	Dr. T. Ganesan	CSE	Performance comparison of MANENTS under congestion and packet loss using distance based geographic routing protocols	11 th International Conference on Computing for Sustainable Global Development	(2024)	978-93-80544-51-9	https://ieeexplore.ieee.org/document/10499121

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12	Dr. R. Manivannan	CSE	Improved restricted Boltzmann machine – based optimization model for the network security system in cloud environment	Engineering Research Express	Vol 6, Issue: 2, Apr 2024 Page: 025313	2631-8695	https://iopscience.iop.org/article/10.1088/2631-8695/ad3f77
13	Dr. N. Murali	CSE	A GPS-based Face attendance register system using android application stored in the cloud	2024,11th International Conference on Computing for Sustainable Global Development (INDIACom)	Apr 2024	978-93-80544-51-9	https://ieeexplore.ieee.org/document/10498447
14	Dr. M. Priya	CSE	Automatic emotion detection using SVM based optimal kernel function	2024,11th International Conference on Computing for Sustainable Global Development (INDIACom)	Apr 2024	978-93-80544-51-9	https://ieeexplore.ieee.org/document/10498982
15	Dr. K. Balasubramanian Mr. N.Kannan	CSE	Next-Gen parking facilities deep learning for face and license plate-based access	2024,11th International Conference on Computing for Sustainable Global Development (INDIACom)	Apr 2024	978-93-80544-51-9	https://ieeexplore.ieee.org/abstract/document/10499005
16	Dr. M. Chinnadurai	CSE	Modeling an enhanced modulation classification approach using arithmetic optimization with deep	Measurement Science Review	Vol 24, Issue NO:2, Feb 2024, Pages: 47-53	1335-8871	https://intapi.sciendo.com/pdf/10.2478/msr-2024-0007

			learning for MIMO-OFDM systems				
17	Dr. K. Balasubramanian	CSE	Emotion driven activity detection: detecting activities perception through facial feature analysis in Education environment	2024,11th International Conference on Computing for Sustainable Global Development (INDIACom)	Apr 2024	978-93-80544-51-9	https://ieeexplore.ieee.org/document/10498921
18	Mrs. E. Saranya	CSE	A Novel and smart administrative door lock and open system using face recognition	2024,11th International Conference on Computing for Sustainable Global Development (INDIACom)	Apr 2024	978-93-80544-51-9	https://ieeexplore.ieee.org/document/10404957
19	Mrs. E. Saranya	CSE	Smart environment and plant disease monitoring with analysis system in agricultural field	2023 IEEE International Conference on ICT in Business Industry & Government (ICTBIG)	Apr 2024	978-93-80544-51-9	https://ieeexplore.ieee.org/document/10456200
20	Dr. T. Ganesan	CSE	Intelligent Gen:An Efficient on demand access protocol in MANETS using network simulator-2	2024,11th International Conference on Computing for Sustainable Global Development (INDIACom)	Apr 2024	978-93-80544-51-9	https://ieeexplore.ieee.org/document/10498890
21	Dr. M. Chinnadurai Mr. S. Selvaganapathy	CSE	Virtual machine placement in energy aware load balancer using fog classifier	Journal of Cloud Computing	2023, 12(1), Dec 2023, 180	2326-6538	https://journalofcloudcomputing.springeropen.com/articles/10.1186/s13677-023-00559-8

22	Dr. M. Chinnadurai Mr. Hawkinson S.J Mr. Raj A.S Dr. Senthilkumar S Dr. Balasubramanian. K.	CSE	A Efficient Approach of Image Stegnography Using Advanced Encryption System and Deep Neural Network	3rd IEEE (ICDCECE) 2024	Apr 2024	979-8-3503-1860-9	https://ieeexplore.ieee.org/document/10548443
23	Dr. M. Chinnadurai, Mrs. K. Vembarasi Mr. V. P. Thotakura Dr. S. Senthilkumar Dr. L. Ramachandran Mrs. V. Lakshmi Praba Mrs. S. Vetriselvi	CSE	White Spot Syndrome Detection in Shrimp using Neural Network Model	11th International Conference on Computing for Sustainable Global Development, INDIACom 2024	Apr 2024, pp. 212–217	978-93-80544-51-9	https://ieeexplore.ieee.org/document/10498722
24	Dr. M. Chinnadurai Mr. M. Venkatramanan	CSE	Channel Estimation in MIMO TFT-OFDM Using Hybrid BESOA-CSOA Algorithms	Tehnicki Vjesnik	Vol 31(1), Feb 2024, pp. 151–155	1330-3651	https://hrcak.srce.hr/file/451990
25	Dr. M. Chinnadurai	CSE	Brain Tumour Segmentation Using Adaptive Deep Convolutional Neural Network System	International Journal of Intelligent Systems and Applications in Engineering,	Vol 12(3), Nov 2023, pp. 179–189	2147-6799	https://ijisae.org/index.php/IJISAE/article/view/3696
26	Dr. M. Chinnadurai Mrs. Sathya Jothi	CSE	A combined deep CNN with a chimp optimization approach for lung cancer diagnosis	Journal of Intelligent and Fuzzy Systems	Vol 46(2), Feb 2024, pp. 4681–4696	1875-8967	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs237339
27	Dr. M. Chinnadurai	CSE	Free Space Optical Communication with an Optimize lipschitz Exponent for Biosignal Telemetry	Journal of measurement science	Vol 23,issue 3,16/7/23	1335-8871	https://sciencdo.com
28	Dr. M. Priya,	CSE	Automatic Emotion	2024 11th	Apr 2024,	978-	https://ieeexplore.ieee.org/

	Mrs. B. Ranjani, Mrs. K. Rajammal, Dr. N. Murali		Detection using SVM- based Optimal Kernel Function.	International Conference on Computing for Sustainable Global Development (INDIACom)	pp. 1607- 1611	93- 80544- 51-9	document/10498982
29	Dr. M. Priya	CSE	Genetic algorithm-based rule generation for approximate keyword search	International Journal of Advanced Intelligence Paradigms	Vol 25(3- 4), July 2023, pp. 374–381	1755- 0394	https://www.inderscienceonline.com/doi/abs/10.1504/IJAIP.2023.132375?af=R
30	Mr. A. Baskar	CSE	Deep optimization algorithm for emergency- aware data transmission in Mobile-Ad Hoc Networks	Journal of Intelligent & Fuzzy Systems	Vol. 45, no. 6, Dec 2023, pp. 10779- 10797	1875- 8967	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs233425

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1	Dr. M. Chinnadurai Mrs. B. Ranjani	CSE	Sparse attention with residual pyramidal depth wise separable convolutional based malware detection with optimization mechanism	Scientific Reports	Vol 14(1), Oct 2024, 24414	2045-2322	https://www.nature.com/articles/s41598-024-76193-4
2	Dr. M. Chinnadurai Dr. M. N. Srinivasan Dr. S. Senthilkumar Mr. E. Dinesh	CSE	An effective video inpainting technique using morphological Haar wavelet transform with krill herd based criminisi algorithm	Scientific Reports	Vol 14(1), July 2024, 15485	2045-2322	https://www.nature.com/articles/s41598-024-66496-x
3	Dr. R. Manivannan	CSE	The Intelligent Urban Nexus: AI-Driven Decision Making in Smart City Development	IGI Global Scientific Publishing	Chapter 2, July 2024, 29- 42	9798369334027	https://www.igi-global.com/gateway/chapter/356286
4	Dr. J. Noorul Ameen	CSE	Utilizing flexible, robust optimization for the integration of renewable energy sources and electric cars in a large-scale Vehicle-to-Grid (V2G) network	International Conference for Technological Engineering and its Applications in Sustainable Development	July 2024	979-8-3503-3647-4	https://ieeexplore.ieee.org/document/10584862
5	Dr. S. Praveen kumar	CSE	Adaptive Error Correction and Machine Learning for	2 nd International	2024,389-391	979-8-3503-	https://ieeexplore.ieee.org/document/10760576

			Robust Optical Fibre Communication	Conference on Self Sustainable Artificial Intelligence Systems 2024		6840-6	
6	Dr. S. Praveen kumar	CSE	Super -Resolution Image using Enhanced Deep Residual Networks and the DIV2K Dataset	2 nd International Conference on Self Sustainable Artificial Intelligence Systems 2024	2024,586-592	979-8-3503-6840-6	https://ieeexplore.ieee.org/document/10760961
7	Dr. S. Subashree	CSE	A Study on Efficiency of Bio Medical Data Extraction from PubMed Dataset using Elastic Search Engine	2 nd International Conference on Self Sustainable Artificial Intelligence Systems 2024	2024,378-382	979-8-3503-6840-6	https://ieeexplore.ieee.org/document/10760790
8	Mrs. E. Saranya	CSE	Transforming Hospitality, Personalized Medicine, and Adaptive Learning: Robotic Innovations	IGI Global Scientific Publishing	Chapter 14, Sep 2024, 373-406	9798369332139	https://www.igi-global.com/chapter/transforming-hospitality-personalized-medicine-and-adaptive-learning/356869
9	Mrs. E. Saranya, Dr. S. Subashree, Dr. G. Pushpa	CSE	Design and Study of Foil Based Robust Wheezing Monitoring System for Asthma Prevention	International Journal of Engineering Technology and Management	Vol 8(4), Aug 2024, 209 - 215	2581-4621	https://www.ijetms.in/Vol-8-issue-4/Vol-8-Issue-4-22.pdf

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10	Dr. G. Pushpa	CSE	A Novel Design of an Image Encryption and Decryption Scheme Using Enhanced Cybersecurity Principles	International Conference on Emerging Research in Computational Science (ICERCS)	Feb 2024	979-8-3503-5976-3	https://ieeexplore.ieee.org/abstract/document/10434166/authors#authors
11	Dr. S. Subashree	CSE	A Comprehensive Evaluation of Fake Face Recognition Scheme using Artificial Intelligence Oriented Learning Scheme	First International Conference on Pioneering Developments in Computer Science & Digital Technologies (IC2SDT) 2-4 Aug. 2024	2024, 456-461	979-8-3503-6501-6	https://ieeexplore.ieee.org/document/10696877
12	Dr. S. Subashree	CSE	Earth Sciences Unleashed: A Comprehensive Exploration of AI Applications	IGI publications	9th chapter 130-150	9798369318515	https://www.igi-global.com/chapter/earth-sciences-unleashed/336217
13	Dr. S. Subashree	CSE	AI-Driven Energy Optimization in High-Performance Computing: Smart Solutions for Sustainable Efficiency	IGI Publications	Chapter 11 277-302.	9781668437964	https://www.igi-global.com/gateway/chapter/365686
14	Dr. S. Praveen Kumar	CSE	Advanced Generative adversarial Network for Optimizing layout of wireless sensor Networks	Scientific Reports	Vol 14, Issue 32139	2045 - 2322	https://www.nature.com/articles/s41598-024-83957-5
15	Dr. M. Chinnadurai	CSE	Hybrid Quantum Enhanced Federated Learning for Cyber Attack Detection	Scientific Reports	Vol 14, Issue 32038	2045 - 2322	https://www.nature.com/articles/s41598-024-83682-z

16	Dr. S.Praveenkumar Dr. A. Emmanuel Peo Mariadas Mr. N. Kannan	CSE	Artificial Intelligence and Mechine Learning	Charulatha Publications	Book Nov-24	978- 93- 6260- 216-9	
17	Dr. T. Ganesan	CSE	Problem Solving and Python Programming	Charulatha Publications	Book Dec-24	978- 93- 6260- 217-6	
18	Dr. V. R. Sugumaran	CSE	Artificial Intelligence and Mechine Learning	Charulatha Publications	Book Jan-25	978- 93- 6260- 309-8	
19	Dr. R.Manivannan	CSE	Intrusion Detection System for Network Security Using Novel Adaptive Recurrent Neural Network-Based Fox Optimizer Concept.	International Journal of Computational Intelligence Systems	Vol 18, issue 37, Feb 25, 1-24.	1875- 6883	https://link.springer.com/arti cle/10.1007/s44196-025- 00767-x
20	Dr. K. Balasubramanian Mr. N.Kannan Dr.T.Ganesan	CSE	A Novel Encrypted Data Hiding and Image Encryption for Authentication Based Communication Framework	2024 3rd Edition of IEEE Delhi Section Flagship Conference (DELCON)	Nov 2024	979-8- 3315- 1859-2	https://ieeexplore.ieee.org/do cument/10866888
21	Dr. V. R. Sugumaran	CSE	Distributed Blockchain assisted secure data aggregation scheme for risk- aware zone-based MANET	Scientific Reports	Vol 15, Issue 8022, 2025	2045 - 2322	https://www.nature.com/artic les/s41598-025-92656-8
22	Dr. M. Priya	CSE	Point-ConNet: Integrated Power Allocation and Target Assignment for Efficient Multi-Target Tracking in Distributed Radar Networks	International Journal of Communicatio n Systems	Volume38, I ssue5 , March 2025	1099- 1131	https://doi.org/10.1002/dac.7 0030.
23	Dr. M. Priya	CSE	SARCASAM Analysis in	Procedia	Volume	1877-	https://doi.org/10.1016/j.proc

			Social Networks Using Deep Learning Algorithm	Computer Science	252,2025,Pages 510-518	0509	s.2025.01.010
24	Dr.M.Chinnadurai	CSE	A text book of responsible Artificial Intelligents	Charulatha Publications		978-93-48655-91-2	

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