



S.A. ENGINEERING COLLEGE

(Autonomous - Institute Level Research Centre, Affiliated to Anna University, Chennai)

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Department of Master of Computer Applications

Faculty Publications

2024-2025

S.no	Publications	Academic Year (2023-2024)
1	International Journals – SCI	4
2	International Journals – SCOPUS	31
3	International Journals – Google Scholar	
	Total	35

S.no	Publications	Academic Year (2023-2024)
1	Total Citations (all faculty) =	47



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HOD/MCA

Department of Master of Computer Applications

Faculty Publications (2024–2025)

Staff-wise Consolidation

S.No	Faculty Name	SCI Publications	Scopus Indexed Publications	Total Publications	Total Citations
1	Dr. V. Sujatha	3	8	11	34
2	Dr. R. Anitha	—	2	2	2
3	Mrs. N. Juliet	1	6	7	1
4	Mr. R. Sankar	—	4	4	3
5	Mrs. K. Malathy	—	5	5	1
6	Mrs. R.Rajeshwari	—	—	—	—
7	Mrs. Lakshmi N	—	4	4	—
8	Mrs. V. Praveena	—	2	2	6



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Faculty Publications

2024-2025

SCI Publications

S.No	Name of the Faculty	Title of the Paper	Name of the Journal/Conference with Vol no, issue no, page no.	Type of Journal	Citations
1	Dr. V. Sujatha	An effective review on the prediction and analysis of infectious lung diseases using machine learning algorithms	International Journal of Bioinformatics Research and Applications Vol. 20, No. 3, pp 205-228, https://doi.org/10.1504/IJBRA.2024.139999 , published on 15-07-2024	SCI	NIL
2	Dr. V. Sujatha	Intrusion detection in clustering wireless network by applying extreme learning machine with deep neural network algorithm,	Indonesian Journal of Electrical Engineering and Computer Science, Vol. 38, No., pp. 887~896. ISSN: 2502-4752, DOI: 10.11591/ijeecs.v38.i2.pp887-896, published on 2 May 2025	SCI	NIL
3.	Dr. V. Sujatha	Graphene Metasurface Based Biosensor for COVID-19 Detection in the Terahertz Regime with Machine Learning Optimization using K-Nearest Neighbours	Plasmonics 20, 5447–5469 (2025). DOI: https://doi.org/10.1007/s11468-024-02686-7 , published on 02 December 2024	SCI	28



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		Regression			
4	Mrs. N. Juliet	Telemedicine and Information Technology in Health Care Management: Perspectives and Barriers among Nursing Students	Journal of Education and Health Promotion 13(1):416, October 2024. DOI: 10.4103/jehp.jehp_290_24. Published on 11-10-2024	SCI	NIL

Scopus Publication

S.No	Name of the Faculty	Title of the Paper	Name of the Journal/Conference with Vol no, issue no, page no.	Indexed Details	Citations
1	Dr. V.Sujatha	Lightweight Sybil attack detection framework for wireless sensor network with cluster topology	Innovations In Electronics And Communication Systems (Iciecs2022), https://doi.org/10.1063/5.0247037 published on 09 January 2025	SI	NIL
2	Dr. V.Sujatha	Cutting-Edge Solutions Exploring the Experimental Possibilities of Route Optimization with Wireless Sensor Networks	<i>Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)</i> , Chennai, India, 2024, pp. 1-7, DOI: 10.1109/ICSES63760.2024.10910808, published on 12 March 2025	SI	NIL
3	Dr. V.Sujatha	Experimental Analysis of an Efficient Dental Caries Prediction System on Improved Convolutional Neural Network(ICNN) Principle	<i>Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)</i> , pp. 1-6, DOI:	SI	1



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			10.1109/ICSES63760.2024.1091034 5. published on 12 March 2025		
4	Dr. V.Sujatha	A Robust Design of Fault Nodes Identification and Recovery Model Over Wireless Sensor Network	Science Technology Engineering and Mathematics (ICONSTEM), Chennai, India, 2024, pp. 1-7, doi: 10.1109/ICONSTEM60960.2024.10568749. published on 28-June-2024	SI	2
5	Dr. V.Sujatha	Illuminating the Future: A Smart Street Light Controlling and Monitoring System Using Internet of Things Enabled Smart Sensors	Science Technology Engineering and Mathematics (ICONSTEM), 2024 DOI: 10.1109/ICONSTEM60960.2024.10568747, published on 28-06-2024	SI	1
6	Dr. V.Sujatha	Revolutionizing Military Operations: A Smart Fabrication of Bomb Detection and Diffusing Robot with Location Sharing Feature	Advances in Computing, Communication and Applied Informatics (ACCAI) DOI: 10.1109/ACCAI61061.2024.10601751, published on 25 July 2024	SI	1
7	Dr.V.Sujatha	The performance analysis of image resolution model using deep residual algorithm	Computing Communication and Networking Technologies, ICCCNT 2024 DOI: 10.1109/ICCCNT6,1001.2024.10724272, published on 04-11-2024	SI	NIL
8	Dr.V.Sujatha	A Novel Implementation of an IoT Powered Open Borewell Child Rescue System using ESP8266	Advances in Computing, Communication and Applied Informatics, ACCAI 2024, 2024 DOI: 10.1109/ ACCAI61061.	SI	1



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		and Logical Sensors Association	2024.10601878 , published on 25-07-2024		
9	Dr. R.Anitha	An improved visual reality experience for gaming applications using visual image processing	Computing Communication and Networking Technologies (ICCCNT) 2024 DOI: 10.1109/ICCCNT61001.2024.10724728. published on 04-11-2024	SI	NIL
10	Dr. R.Anitha	Experimental Evaluation of Diabetes Mellitus Prediction Scheme Based on Enhanced Machine Learning Strategy	Science Technology Engineering and Mathematics (ICONSTEM) 2024 DOI: 10.1109/ICONSTEM60960.2024, published on 28-06-2024	SI	2
11	Mrs. N.Juliet	Empowering Safety: Designing of an IoT based Women Protective System using Artificial Intelligence enabled Smart Sensors	Advances in Computing, Communication and Applied Informatics, ACCAI 2024. DOI: 10.1109/ACCAI61061.2024.10601812, published on 25-07-2024	SI	1
12	Mrs.N.Juliet	An Enhanced Prediction Logic to Forecast Bitcoin Price Variations Using Elevated Machine Learning Principles	Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024, DOI: 10.1109/ICONSTEM0960.2024.10568622, published on 28-06-2024	SI	NIL



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13	Mrs.N.Juliet	An Improved Digital Image Processing Based Driver Sleep Identification and Alert System Using Internet of Things with Smart Sensors Association	Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024. DOI: 10.1109/ICONSTEM60960.2024.10568610, published on 28-06-2024	SI	NIL
14	Mrs. N. Juliet	A Comprehensive Examination for P2P Communication in Multi-hop Overlay Network	Computing Communication and Networking Technologies (ICCCNT), pp. 1-6, DOI: 10.1109/ICCCNT61001.2024.10726126, published on 04 November 2024	SI	NIL
15	Mrs. N. Juliet	A Moderated Deep Learning Approach for Retinal Blood Vessel Segmentation Hybrid Neural Classification and Optimization Logic	Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), pp. 1-6, DOI: 10.1109/ICSES63760.2024.10910748, published on 12 March 2025	SI	NIL
16	Mrs. N. Juliet	A Robust Artificial Intelligence Enabled Methodology to Predict Online Consumers Behaviour Using Hybrid Deep Learning Strategy	Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), pp. 1-7, DOI: 10.1109/ICSES63760.2024.10910617, published on 12 March 2025.	SI	NIL
17	Mr. R.Sankar	Intelligent Fabrication of IoT Assisted Smart Voice based Wheelchair Controlling System for Physically Challenged People	Advances in Computing, Communication and Applied Informatics, ACCAI 2024, DOI: 10.1109/ACCAI61061.2024.10601877, published on 25-07-2024	SI	2



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18	Mr. R.Sankar	Cybersecurity Enabled Improved BigData Privacy Management Measures to Preserve Information With Privacy Concerns	Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, DOI: 10.1109/ICONSTEM60960.2024.10568845, published on 28-06-2024	SI	NIL
19	Mr. R.Sankar	The smart analysis of energy optimization for sensor nodes in Ad-Hoc networks	<i>Computing Communication and Networking Technologies (ICCCNT)</i> , Kamand, India, 2024, pp. 1-6, DOI: 10.1109/ICCCNT61001.2024.10723937, published on 04 November 2024	SI	NIL
20	Mr. R.Sankar	An Internet of Things (IoT) Assisted Forest Fire Detection Mechanism Using Hybrid Classification and Learning Model	<i>Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)</i> , pp. 1-6, DOI: 10.1109/ICSES63760.2024.10910732, published on 12 March 2025	SI	1
21	Mrs. K.Malathy	An improved intrusion detection systems for Social security using AI-based technique	Computing Communication and Networking Technologies, ICCCNT 2024. DOI: 10.1109/ICCCNT61001.2024.10725437, published on 04-11-2024	SI	1



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22	Mrs. K.Malathy	An Improved Drug Recommendation System Using Artificial Intelligence Assisted Learning Methodology	Advances in Computing, Communication and Applied Informatics, ACCAI 2024, 2024 DOI:10.1109/ACCAI 61061.2024.10602473, published on 25-07-2024	SI	NIL
23	Mrs. K.Malathy	A Real-Time Road Surface Identification and Tracking Based on Raspberry PI Assisted IoT Enabled Image Processing Scheme	Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, DOI:10.1109/ICONSTEM60960.2024.10568900 , published on 28-06-2024	SI	NIL
24	Mrs. K.Malathy	CDNN: A Novel Methodology Development to Detect Online Social Network Cyberbullying Threats Using Convolutional Deep Neural Network Principle	Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) DOI: 10.1109/ices63760.2024.10910787 , published on 12 March 2025	SI	NIL
25	Mrs. K.Malathy	ENCL: Empirical Evaluation of Consumer Behaviour Analysis Model Using Internet of Things (IoT) Based Enhanced Neural Classification Logic	Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) DOI: <u>10.1109/ices63760.2024.10910588</u> , published on 12 March 2025	SI	NIL



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26	Mrs. Lakshmi N	Empirical Evaluation of AI Based Oral Cancer Identification Scheme Using Learning Assisted Medical Image Processing Scheme	<i>Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)</i> , pp. 1-6, DOI: 10.1109/ICSES63760.2024.10910885 , published on 12 March 2025	SI	NIL
27	Mrs. Lakshmi N	NextGen Robot: An Efficient and Effortless Wall Painting Robot Design Based on Artificial Intelligence (AI) Principles	<i>Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)</i> , pp. 1-6, DOI: 10.1109/ICSES63760.2024.10910420, published on 12 March 2025	SI	NIL
28	Mrs. Lakshmi N	HealthCore: A Multi-Modal Framework to Predict Leukemia Disease Using Integrative Healthcare Image Evaluation	Frontier Technologies and Solutions (ICFTS) 2025-03-27, DOI: 10.1109/icfts62006.2025.11031747 published on 20 June 2025	SI	NIL
29	Mrs. Lakshmi N	Hybrid CNN-Transformer Model with Attention-Based Decoding for Accurate Abdominal Organ Segmentation in Medical Imaging	Smart Technologies Communication and Robotics 2025, DOI: 10.1109/STCR62650.2025.11019937 published on 03 June 2025	SI	NIL



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30	Mrs.V .Praveena	Maximizing Cloud Security: Empirical Evaluation of an Efficient Identity oriented Signature Verification Scheme for Wireless Networks	Communication and Computing, WCONF 2024 DOI: 10.1109/ 61366.2024.10692001, published on 04-10-2024	SI	1
31	Mrs.V .Praveena	Experimental Evaluation of a Secured Phrase Searching Model Using Cipher Principles Over Cloud Computing Platform	International Conference on Intelligent Systems for Cybersecurity, ISCS 2024, DOI: 10.1109/ 61804.2024.10581121 published on 12-07-2024	SI	5