

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PUBLICATION DETAILS

ACADEMIC YEAR: 2022 – 2023

JOURNAL PUBLICATIONS DETAILS

S. NO.	NAME OF THE FACULTY	TITLE OF THE PAPER	NAME OF THE JOURNAL	SCI/ SCIE/ SCOPUS/ OTHERS	ISSN/ ISBN NO.	VOLUME NO., ISSUE NO., PAGE NO.	YEAR	DOI/URL
1	Dr.R.Thiyagarajan	A modular IOT sensing platform using hybrid learning ability for air quality prediction	Measurement : Sensors	SCI	ISSN 2665- 9174	25	Feb-23	https://doi.org/1 0.1016/j.measen .2022.100609
2	Dr.R.Thiyagarajan	Electro Search Optimization based long short-term memory network for mobile malware detection	Concurrency and Computation	SCI	ISSN 1532- 0626	119, 21–35 (2021).	Jun-22	https://doi.org/1 0.1002/cpe.704 4



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3	Dr.R.Thiyagarajan	Energy Efficient Congestion free and Adaptive Mechanism for Data deliveryin Underwater Wireless sensor networks	Optical and Quantum Electronics	SCI	03068 919, 15728 17X.	54, 633	Aug- 22	https://doi.org/1 0.1007/s11082- 022-04030-x
4	Dr. W Thamba Meshach	Improved Data Security in Cloud Environment for Test Automation Framework and Access Control for Industry 4.0	Wireless Communicati ons and Mobile Computing	SCI	ISSN 1530- 8677 (Onlin e)	VOL.2022, Issue 1,	Jun-22	https://doi.org/1 0.1155/2022/32 42092
5	Dr. V R Kavitha	Oppositional Harris Hawks Optimization with Deep Learning-Based Image Captioning	Computer Systems Science & Engineering	SCI	ISSN: 0267- 6192 (print)	44(2),579 – 593	Jun-22	DOI:10.32604/c sse.2023.02455 3
6	Dr.R.Thiyagarajan	Hybrid Authentication Using Node Trustworthy to Detect Vulnerable Nodes	Computer Systems Science & Engineering	SCI	ISSN 0267- 6192 (Print)	45(1), 625-640	Aug- 22	DOI: 10.32604/csse.2 023.030444
7	Dr.R.Thiyagarajan	Electro Search Optimization based long short-term memory network for mobile malware detection	Concurrency and Computation, Wiley online library	SCI	ISSN 1532- 0626	34(19)	Jun-22	https://doi.org/1 0.1002/cpe.704 4



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8	Dr. S. Padmapriya	Timer Entrenched Baited Scheme to Locate and Remove Attacks in MANET	Intelligent Automation & Soft Computing	SCI	ISSN 1079- 8587	vol.35(1),49 1-505	Jun-22	DOI: 10.32604/iasc.2 023.027719
9	Dr. S. Padmapriya	Electro Search Optimization based Long Short-Term Memory Network for Mobile Malware Detection Concurrency and Computation: Practice and Experience	Concurrency and computations practice and experience	SCI	ISSN 1532- 0626	14(2)	Jun-22	https://doi.org/1 0.1002/cpe.704 4
10	S. Famitha	Intelligent and novel multi- type cancer prediction model using optimized ensemble learning	Computer Methods in Biomechanic s and Biomedical Engineering	SCI	ISSN 14768 259, 10255 842.	25(13),1-26	Jun-22	https://doi.org/1 0.1080/1025584 2.2022.2081504
11	R.Meena	Depression Detection on COVID 19 Tweets Using Chimp Optimization Algorithm	Intelligent Automation & Soft Computing	SCI	ISSN 1079- 8587	34(3),1642- 1658	2022	https://www.tec hscience.com/ia sc/v34n3/47920



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12	T R Soumya	A Novel Approach for Cyber Threat Detection Based on Angle-Based Subspace Anomaly Detection	Cybernetics and Systems	SCI	ISSN 0196- 9722	110	Nov- 22	https://doi.org/1 0.1080/0196972 2.2022.2148509
13	Dr.R.Thiyagarajan	Energy efficient congestion free and adaptive mechanism for data delivery in underwater wireless sensor networks using 2H-ACK	Optical and Quantum Electronics	SCI	ISSN 0306- 8919	54(10), 633-640	Aug- 22	https://link.sprin ger.com/article/ 10.1007/s11082 -022-04030-x
14	Dr.R.Thiyagarajan	Leveraging Machine Learning Techniques for Detecting Emotional States in ASD Children	Mathematica l Statistician and Engineering Applications	SCOPUS	ISSN: 2094- 0343	28(11)	Nov- 22	http://cims- journal.com/ind ex.php/CN/artic le/view/231
15	Dr.R.Thiyagarajan	An Approach for Detecting Complications in Agriculture Using Deep Learning and AnomalyBased Diagnosis	Computer Integrated Manufacturin g Systems	SCOPUS	ISSN 1006- 5911	28(11)	Nov- 22	http://cims- journal.com/ind ex.php/CN/artic le/view/232



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16	Dr.M.Gopikrishnan	Design and evaluation of a deep CNN algorithm for detecting farm weeds	International journal of engineering systems modelling and simulation	SCOPUS	ISSN 17559 766, 17559 758.	14(2),pp 71- 79	Jan-23	https://doi.org/1 0.1504/IJESMS. 2023.129994
17	Dr.R.Thiyagarajan	IoT based smart surgical management platform for hospitals to enhance safety in medical treatment	International Journal of Health Sciences	SCOPUS	ISSN 2550- 696X (Onlin e) ISSN 2550- 6978 (Print)	4	Jul-22	https://doi.org/1 0.53730/ijhs.v6 nS4.11084
18	Dr.R.Thiyagarajan	Brain Damage Detection using Machine learning approach	Neuro Quantology	SCOPUS	ISSN 1303- 5150	20(10),2818 -2824	Aug- 22	DOI: 10.14704/nq.20 22.20.10.NQ55 242
19	B Gunasundari	Analysing Quantitative Assigment Problem with different Metaheuristic Algorithm	Journal Of Pharmaceutic al Negative Results	SCOPUS	Print - 0976- 9234, Online - 2229- 7723	13(4),264- 275	Oct-22	DOI: 10.47750/pnr.20 22.13.04.032



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20	M.D.BOOMIJA	Threshold multiparty multi- randomness secure partially homomorphic encryption for data security in cloud	Expert Systems	SCOPUS	ISSN: 13043	40(6)	Sep-22	DOI:10.1111/ex sy.13043
21	Dr.R.Thiyagarajan	Block-chain based Secure Data Access over Internet of Health Application Things (IHoT)	KSII Transactions on Internet and Information Systems	SCOPUS	ISSN: 19767 277	17(5),pp. 1484–1502	May- 23	doi:10.3837/tiis. 2023.05.010
22	B Gunasundari	Intelligent Alarm System for Driver Drowsiness Detection	International Journal of Advanced Research in Computer and Communicati on Engineering	OTHERS	ISSN 2278- 1021 (Onlin e)	12(5),	May- 23	DOI: 10.17148/IJAR CCE.2023.1256 6
23	Dr.M.Gopikrishnan	Hyper Local E-commerce	International Journal of Creative Research Thoughts	OTHERS	ISSN: 2320- 2882	11(5)	May- 23	https://ijcrt.org/ papers/IJCRT23 A5200.pdf



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24	Dr.M.Gopikrishnan	Real-Time Animal Face Detection	International Journal of Noval Research and Development	OTHERS	<u>ISSN :</u> <u>2456-</u> <u>4184</u>	8(5)	May- 23	https://www.ijnr d.org/papers/IJ NRD2305701.p df
25	B Gunasundari	GUI based face recognition system	International Journal of Advanced Research in Computer and Communicati on Engineering	OTHERS	ISSN 2278- 1021 (Onlin e)	12(5)	May- 23	https://ijarcce.c om/wp- content/uploads/ 2023/05/IJARC CE.2023.12528 6.pdf
26	E Shimona	A smart AI trainer for detecting the faulty orms of push ups	International Journal of Advanced Research in Computer and Communicati on Engineering	OTHERS	ISSN 2278- 1021	12(5)	May- 23	https://ijarcce.c om/papers/a- smart-ai-trainer- for-detecting- the-faulty- forms-of-push- ups/



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27	E Shimona	Automatic number plate recognition by using WPOD network	International Journal of Advanced Research in Computer and Communicati on Engineering	OTHERS	ISSN 2278- 1021	12(5)	May- 23	DOI: 10.17148/IJAR CCE.2023.1252 16
28	V Anithalaksmi	Playlist Transfer System	International Journal of Creative Research Thoughts	OTHERS	ISSN: 2320- 2882	11(5)	May- 23	https://ijcrt.org/ papers/IJCRT23 A5288.pdf
29	S. Famitha	Student mentoring and monitering system	International Journal of Noval Research and Development	OTHERS	ISSN : 2456- 4184	8(5)	May- 23	https://www.ijnr d.org/papers/IJ NRD2305675.p df
30	S. Famitha	Dashboard to automate HR reporting	International Journal of Noval Research and Development	OTHERS	ISSN : 2456- 4184	8(5)	May- 23	https://www.ijnr d.org/papers/IJ NRD2305772.p df



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31	B Gunasundari	AR/VR based cut copy paste system	International Journal of Noval Research and Development	OTHERS	ISSN : 2456- 4184	8(5)	May- 23	https://www.ijnr d.org/papers/IJ NRD2305739.p df
32	Dr.M.Gopikrishnan	Hyper local e-comerce	International Journal of Creative Research Thoughts	OTHERS	ISSN: 2320- 2882	11(5),937- 943	May- 23	https://ijcrt.org/ papers/IJCRT23 A5200.pdf
33	Dr.M.Gopikrishnan	Food donation android application for poor and unprivileged people	Zeichen Journal	OTHERS	ISSN No: 0932- 4747	9(5),98-104	May- 23	DOI:15.10089. ZJ.2023.V09I05 .285311.3131
34	Dr.M.Gopikrishnan	Damaged Car Detection Using Multiple Convolutional Neural Network	International Journal of Noval Research and Development	OTHERS	ISSN: 2456- 4184	8(5),241- 246	May- 23	https://www.ijnr d.org/papers/IJ NRD2305334.p df
35	Dr.M.Gopikrishnan	Detecting and blocking bullying post in online social networks	Zeichen journal	OTHERS	ISSN No: 0932- 4747	8(6),399- 404	Jun-22	DOI:15.100 89.ZJ.2020.V08 I06.285311.288 9



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PUBLICATION DETAILS

ACADEMIC YEAR: 2022 – 2023

CONFERENCE PUBLICATIONS DETAILS

SL. NO.	NAME OF THE FACULTY	TITLE OF THE PAPER	NAME OF THE CONFERENCE PROCEEDING	SCOPUS/ OTHERS	YEAR	DOI / URL
1	Dr.Thamba Meshach W	Applications of Ensuring Security and Privacy Using Block Chain with IoT for Health Record	2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)	SCOPUS	Jul-22	https://ieeexplore.ie ee.org/document/98 23735
2	Dr.M.Gopikrishnan	Experimental analysis of machine learning based node failure prediction using game theory strategy	AIP Conference Proceedingsthis link is disabled, 2022	SCOPUS	Sep-22	https://pubs.aip.org/ aip/acp/article/2518 /1/090001/2827807/ Experimental- analysis-of- machine-learning- based
3	Dr. S. Padmapriya	IoT based Rainfall Surveillance System with Sensor Integrated Infrastructure	7th International Conference on Communication and Electronics Systems (ICCES)	SCOPUS	Jun-22	<u>DOI:</u> <u>10.1109/ICCES541</u> <u>83.2022.9835784</u>



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4	Dr. S. Padmapriya	Hardware Software Co- simulation of Watermarking algorithm for Image Processing Applications	8th International Conference on Advanced Computing and Communication Systems, ICACCS 2022	SCOPUS	Jun-22	DOI: 10.1109/ICACCS5 4159.2022.9785201
5	Dr. S. Padmapriya	ASIC and FPGA Implementation of a Novel BCSE Algorithm based Reconfigurable FIR Filter for Low Power applications	8th International Conference on Advanced Computing and Communication Systems, ICACCS 2022	SCOPUS	Jul-22	<u>DOI:</u> <u>10.1109/ICACCS5</u> <u>4159.2022.9785304</u>
6	S. Famitha	Novel method of detection of systematic copy move forgery based on SURF algorithm	AIP Conference	SCOPUS	Oct-22	https://pubs.aip.org/ aip/acp/article/2519 /1/030083/2828518/ Novel-method-of- detection-of- systematic-copy- move
7	B.Gunasundari	A Robust and Novel Hybrid Deep Learning based Lung Nodule Identification on CT Scan Images	International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023	SCOPUS	Apr-23	https://ieeexplore.ie ee.org/document/10 083700
8	R.Meena	Extracting Behavioral Characteristics of College Students Using Data Mining on Big Data	International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023	SCOPUS	Apr-23	https://ieeexplore.ie ee.org/document/10 084276



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9	R Kannamma	Novel method of detection of systematic copy move forgery based on SURF algorithm	AIP Conference	SCOPUS	Oct-22	https://pubs.aip.org/ aip/acp/article/2519 /1/030083/2828518/ Novel-method-of- detection-of- systematic-copy- move
10	Dr. Madhusudhanan S	Cough Audio Signal-Based Clinical Emergency Classification of Corona Variant Infected Patients Using Multiclass SVM	Intelligent Systems and Applications	SCOPUS	Jan-23	https://link.springer. com/chapter/10.100 7/978-981-19-6581- 4_26
11	Dr. Madhusudhanan S	Study of Various Word Vectors for Sentiment Analysis .	Machine Vision and Augmented Intelligence	SCOPUS	May-23	<u>https://link.springer.</u> com/chapter/10.100 7/978-981-99-0189- 0_24
12	Dr.R.Thiyagarajan	IoT Alert Reflexion of Forbidden Deforestation Regions with Drone observation	<u>Third International</u> <u>Conference on Artificial</u> <u>Intelligence and Smart</u> <u>Energy (ICAIS)</u>	SCOPUS	Mar-23	DOI: 10.1109/ICAIS561 08.2023.10073774
13	Dr.R.Thiyagarajan	EB Algorithm for Effective Privacy and Security of Data Processing in MCC	2022 International Conference on Electronic Systems and Intelligent Computing (ICESIC)	SCOPUS	Jun-22	DOI: 10.1109/ICES IC53714.2022.9783 498
14	Dr. S. Padmapriya	Convolution neural network based Discrete Social Sharing Emotions on Covid- 19	8th International Conference on Smart Structures and Systems	SCOPUS	Jun-22	DOI: 10.1109/ICSSS543 81.2022.9782263



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15	S. Famitha	Convolution neural network based Discrete Social Sharing Emotions on Covid- 19	9th International Conference on Smart Structures and Systems	SCOPUS	Jun-22	DOI: 10.1109/ICSSS543 81.2022.9782263
16	Famitha S	Convolutional Neural Network Based Lip Reading System for Hearing Impaired People	8th International Conference on Smart Structures and Systems	SCOPUS	Jun-22	DOI: 10.1109/ICSSS543 81.2022.9782208
17	Sripriya N	Convolutional Neural Network Based Lip Reading System for Hearing Impaired People	8th International Conference on Smart Structures and Systems	SCOPUS	Jun-22	DOI: 10.1109/ICSSS543 81.2022.9782208
18	J.Omana	EB Algorithm for Effective Privacy and Security of Data Processing in MCC	<u>2022 International</u> <u>Conference on Electronic</u> <u>Systems and Intelligent</u> <u>Computing (ICESIC)</u>	SCOPUS	Jun-22	DOI: 10.1109/ICES IC53714.2022.9783 498
19	Dr.R Thiagarajan	Authorization method of control in android application	2022 8th International Conference on Smart Structures and Systems (ICSSS)	SCOPUS	Jun-22	doi: 10.1109/ICSSS54381 .2022.9782204.
20	E.Shimona	Blockchain based privacy preserving recommentation system using digital signature	First internationa conference on Emerging Trends in Intelligent system and smart Communucation	National Conferen ce	Nov- 22	https://drive.goo gle.com/file/d/1- 0kBt4fxd8eWi5I N5ks72JOQiCIC UYEP/view?usp =drive_link



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PUBLICATION DETAILS

ACADEMIC YEAR: 2022 – 2023

PATENT PUBLICATIONS

SL. NO.	ACADEMIC YEAR	NAME OF THE INVENTOR/CO- INVENTORS	PATENT TITLE	PATENT STATUS	PATENT NUMBER	DATE OF FILING	DATE OF PUBLICATION
1	2022-2023	Dr.S.PADMAPRIYA, Dr.V.VIJAYARAJA	WEARABLE SAFETY DEVICE FOR COAL MINERS	Published in IPR journal	202241034421 A	16-06-2022	24-06-2022
2	2022-2023	Dr.S.PADMAPRIYA, Dr.V.VIJAYARAJA, E.SHIMONA	MASKED FACE RECOGNITION USING DEEP LEARNING	Published in IPR journal	202241039006 A	07-07-2022	15-07-2022
3	2022-2023	Dr.S.PADMAPRIYA	AR BASED CAMPUS INDOOR NAVIGATION SYSTEM	Published in IPR journal	202241039011 A	07-07-2022	15-07-2022
4	2022-2023	Dr.S.PADMAPRIYA, Dr.V.VIJAYARAJA, MS. R.MEENA	CHAT-BOT APPLICATION FOR FARMER'S	Published in IPR journal	202241039014 A	07-07-2022	15-07-2022



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5	2022-2023	Dr.S.PADMAPRIYA, Dr.V.VIJAYARAJA, MS.R.MEENA	VEHICLE THEFT INTIMATION THROUGH REMOTE CONTROL OF ENGINE	Published in IPR journal	202241039016 A	07-07-2022	15-07-2022
6	2022-2023	Dr.S.PADMAPRIYA, Dr.V.VIJAYARAJA, DR.M.GOPIKRISHNAN	DYNAMIC CUSTOMER CHURN PREDICTION USING MACHINE LEARNING ALGORITHM	Published in IPR journal	202241039018 A	07-07-2022	15-07-2022
7	2022-2023	Dr.S.PADMAPRIYA, Dr.V.VIJAYARAJA, E.SHIMONA	DETECTION AND CLASSIFICATION OF ROAD TRAFFIC SIGNS FOR PEOPLE NAVIGATION SYSTEM	Published in IPR journal	202241039019 A	07-07-2022	15-07-2022
8	2022-2023	Dr.S.PADMAPRIYA	ML POWERED HUMAN BODY SIZE DETECTION AND FABRIC COST ESTIMATOR	Published in IPR journal	202241039008 A	07-07-2022	15-07-2022



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9	2022-2023	MS.B.GUNASUNDARI, MS.R.MEENA, MR.W.THAMBA MESHACH, DR.V.R.KAVITHA, DR.M.GOPIKRISHNAN MS.S. FAMITHA MS.N.SRIPRIYA, MS.T.R.SOUMYA, MS.E.SHIMONA, MS.E.SHIMONA, MS.AMALARANI Y, MS.HEMA RAMA LAKSHMI U	WILD ANIMAL DETECTION AND REPELLENT USING DEEP LEARNING	Published in IPR journal	202341004341	23-01-2023	24-03-2023
10	2022-2023	Dr. R. THIAGARAJAN	IOT AND BLOCKCHAIN BASED AGRI SUPPLY CHAIN	Published in IPR journal	202241029483	23-05-2022	03-06-2022
11	2022-2023	Dr. R. THIAGARAJAN	DIAGNOSING BRAIN DAMAGES DETECTION OVER THE CONSCIOUSNESS USING MACHINE LEARNING APPROACH	Published in IPR journal	202241029484	23-05-2022	03-06-2022



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12	2022-2023	Dr. R. THIAGARAJAN	CRYPTOGRAPHIC HASH ENCRYPTION SECURE ALGORITHM OF CONFIDENTIAL DATA BY USER VALIDATING SCHEME FOR THE MEDICAL	Published in IPR journal	202241054975	26-09-2022	07-10-2022
13	2022-2023	Dr. R. THIAGARAJAN	INSPECTION OF WIRELESS AD-HOC NETWORKS FOR EVALUATING NETWORK CONGESTION DIAGNOSIS WITH QUALITY ASSE	Published in IPR journal	202241054978	26-09-2022	07-10-2022
14	2022-2023	Dr. R. THIAGARAJAN	IMPLEMENTATION OF AN ENHANCED ADV-IDPS APPROACH TO LEVERAGE OIT NETWORKS IN HOUSEHOLD DEPLOYMENT	Published in IPR journal	202241059955	20-102022	04-11-2022



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15	2022-2023	Dr. R. THIAGARAJAN	INTRUSION DETECTION RECOGNITION USING DEEP LEARNING FOR USER DEVICES WITH CYBER-SECURE MECHANISM	Published in IPR journal	202241059959	20.10-2022	04-11-2022
16	2022-2023	Dr. R. THIAGARAJAN	AI BASED COMPUTER VISION USING ML APPROACHES TO PREDICT AND DIAGNOSE AUTISM DISORDERS	Published in IPR journal	202241062995	04-11-2022	18.11.2022
17	2022-2023	Dr. R. THIAGARAJAN	ML STRATEGIES APPROACH FOR ANALYSIS OF IOT TRAFFIC MECHANISMS IN AN IOT CLOUD ENVIRONMENT	Published in IPR journal	202241063001	04-11-2022	18-11-2022



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BOOKS/CHAPTER PUBLICATIONS

S. No.	Name of the Faculty	Title of the book/chapters published	Year of publication	Affiliating Institute at the time of publication	Name of the publisher
1	S. Madhusudhanan	Cough Audio Signal- Based Clinical Emergency Classification of Corona Variant Infected Patients Using Multiclass SVM	Jan-23	Prathyusha Engineering College	Intelligent Systems and Applications