

**Dr. Mahalingam College of Engineering and Technology, Pollachi-03.**  
**Department of Computer Science and Engineering**

**Faculty Publications**  
**Academic Year: 2023-2024**

**International Journals**

**Date: 25.05.24**

**Q1 Journals**

<b>S.No</b>	<b>Name of the Authors</b>	<b>Title of the paper</b>	<b>Name of the journal, Publisher</b>	<b>Volume, Issue ISSN Page no.</b>	<b>Month and Year</b>	<b>Indexing</b>	<b>DOI</b>	<b>Impact Factor, Citation</b>
<b>1</b>	Ms.G. Uma Maheshwari	No More Privacy Concern: A Privacy-Chain based Homomorphic Encryption Scheme and Statistical Method for Privacy Preservation of User's Private and Sensitive Data	Expert Systems With Applications, Elsevier	234	Aug - 2023	Q1	<a href="https://doi.org/10.1016/j.eswa.2023.121071">https://doi.org/10.1016/j.eswa.2023.121071</a>	8.665
<b>2</b>	Ms.G. Uma Maheshwari	Differential Privacy scheme using Laplace Mechanism and Statistical Method Computation in Deep Neural Network for Privacy Preservation	Engineering Applications of Artificial Intelligence, Elsevier	128, 1873-6769	Nov 2023	Q1	<a href="https://doi.org/10.1016/j.engappai.2023.107399">https://doi.org/10.1016/j.engappai.2023.107399</a>	8
<b>3</b>	Dr.M.L.Valarmathi	Levenberg - Marquardt deep neural watermarking for 3D mesh using nearest centroid salient point learning	Scientific reports	Nature Portfolio	April 2024	Q1	<a href="https://doi.org/10.1038/s41598-024-57360-z">https://doi.org/10.1038/s41598-024-57360-z</a>	4.6

## SCI/Scopus Indexed Journals

S.No	Name of the Authors	Title of the paper	Name of the journal, Publisher	Volume, Issue ISSN Page no.	Month and Year	Indexing	DOI	Impact Factor, Citation
1	Dr. Bhavithra Janakiraman	3D Road Lane Classification with Improved Texture Patterns and Optimized Deep Classifier	Sensors,MDPI	Vol. No: 23 Issue: 11 ISSN: EISSN 1424-8220	June 2023	SCI	<a href="https://doi.org/10.3390/s23115358">https://doi.org/10.3390/s23115358</a>	3.847
2	Ms.N.Sumathi	Gene Variant Analysis for the Detection of Hemophilia: A Literature Review	Recent patents on Engineering, Bentham publisher	ISSN:1872-2121	June 2023	Scopus		0.145
3	Dr. Bhavithra Janakiraman	Detection of ovarian follicles cancer cells using hybrid optimization technique with deep convolutional neural network classifier	Journal of Intelligent & Fuzzy Systems, IOS	vol. 45,no. 6, 9347–9362	Dec 2023	SCI	<a href="https://doi.org/10.3233/JIFS-231322">DOI:10.3233/JIFS-231322</a>	2
4	Mr.D.Manojkumar	Graphical User Interface based Heart Disease Analysis in Machine Learning Algorithms	Journal of Harbin Engineering University, Harbin Engineering University		June 2023	Scopus		0.51
5	Dr. N.Senthil Madasamy	A Novel Back-Propagation Neural Network for Intelligent Cyber-Physical Systems for Wireless Communications	IETE Journal of Research, Old city publishing	Published online	Sept -2023	SCI	<a href="https://doi.org/10.1080/03772063.2023.2173669">https://doi.org/10.1080/03772063.2023.2173669</a>	0.5
6	Ms.A.Suganya	FPGA based compressed heart ratechangeability recoding algorithm	Tujin Jishu/Journal of Propulsion Technology, Journal of Propulsion Technology	Vol 44.No 4, ISSN: 1001-4055	Oct -2023	Scopus		0.293

7	Dr. N. Senthil Madasamy	DKRF: Machine Learning with Optimised Feature Selection for Intrusion Detection	Ad Hoc & Sensor Wireless Networks, Old city publishing	Vol. 57 Issue No 3-4, 163–186, ISSN 1551-9899 (print) · 1552-0633 (online)	March 2024	SCI	DOI: 10.32908/a hsw.n.v57.1 0485	0.9
8	Ms.S.C.Lavanya, Dr.J.Bhavithra, Ms.B.Suganya, Ms.C.Devipriya, Mr.P.Boopathi Rajan	Automatic Question Paper Generation System using Shuffling algorithm	Journal of Systems Engineering and Electronics, JSEE publisher.	ISSN NO: 1671-1793, Volume 34 ISSUE 4	April 2024	Scopus	DOI: 20.14118.js ee.2024.V3 414.1585	5.7

### International Conference Publications

S. No	Name of the Authors	Title of the Paper Presented	Conference Name	Venue	National/ International	Date
1.	N.Senthilkumar, A.Suganyamahalakshmi, R.Binisha, Dr.M.Praveen Kumar	“A Novel investigation for a prediction of Intellect tumor and Categorization by CNN based on Resu-Net Architecture	8th International Conference on Communication and Electronics Systems ICCES 2023	PPG Institute of Technology	International	June 2023
2.	Mrs.A.Suganya	IoT based Mobile Application for Supervision Surveillance	International Conference on Advanced Engineering Science and Information Technology	Karpagam Institute of Technology	International	June 2023
3.	Prabhu K, Senthil Prabhu S, Gayathri G	Recognition of Channel Estimation in Wireless Communication using Deep Learning with Information Bottleneck Theory	IEEE International Conference on Multidisciplinary Research in Technology and Management -	New Horizon College of Engineering, Bengaluru, Karnataka	International	Aug 2023

			MRTM 23			
4.	R. Bharathi , A. Noble Mary Juliet, and M. L. Valarmathi	Mining Sequential Pattern for Online Shopping Recommendation System Using Prefix Span Algorithm	International Conference on Emerging Trends in Materials, Computing and Communication Technologies (ICETMCCT 2023)	Annai Vailankanni College of Engineering (AVCE), Kanyakumari, India	International	Dec 2023
5.	Ms.G. Uma Maheshwari	Convolution Neural Network with Unsupervised Machine Learning Approach for Feature Extraction and Brain Tumor Detection in Human beings	IEEE International Conference on Emerging Research in Computational Science – ICERCS’23	Karpagam Academy of Higher Education, Coimbatore	International	Feb 2024
6.	Ms.C.Devipriya	Fake site detection using Machine Learning Algorithm and N-Gram Analysis	1st International Conference on Artificial Intelligence, Communication, IoT, Data Engineering and Security, IACIDS 2023	Christ(Deemed to be university), Pune, India	International	March 2024
7.	Dr.G.Anupriya	Fraud Detection in E-commerce Transactions using Machine Learning Techniques	4 <sup>th</sup> International Conference on Recent Trends in Engineering, Technology and Management 2024	Suguna College of Engineering, Coimbatore	International	Aoril 2024

**Book/Book Chapter Publications**

S.No	Name of the Authors	Title of the Book/Title of the Book Chapter	ISBN	Name of the Publisher	Month and Year	Indexing	DOI
1	Ms.M.Gomathi	Machine Learning based Malicious Threat Detection and Security Analysis on Software Defined Networking for Industry 4.0	9781119910619	Wiley	Oct - 2023	Scopus	<a href="https://doi.org/10.1002/9781119910619.ch4">https://doi.org/10.1002/9781119910619.ch4</a>
2	Mr.K.Prabhu, Senthil Prabhu S	Deep Learning	978-81-19313-26-6	Aasan Publications	Aug - 2023	Scopus	-

### Patent Details

S. No	Name of the Faculty	Title of the Patent	Application Number	Filed Date	Published Date	Status
1.	Ms. C. Devipriya Ms. R. Dhivya	Multi-purpose Detangling device with Liquid dispenser	202241023296	20.04.2022	13.05.2022	Granted on 16/01/2024
2.	Ms.N.Sumathi	Household Grinding Machine (Design Patent)	385639-001	05.05.2023	01.09.2023	Granted on 30/08/2023
3.	Ms.K.Radha	Building an Effective E-Commerce Fraud Detection Model Using Computer AI and Data Mining Techniques	202341037908	02/06/2023	18/08/2023	Published
4.	Ms.G.Uma Maheshwari	Industrial Robot for checking Product Quality (Design Patent)	394374-001	02/09/2023	27/09/2023	Granted on 26/10/2023
5.	Ms.C.Devipriya Mr.V.Eswaramurthy	AUTOMATIC SEED SOWING ROBOT (Design Patent)	394906-001	02/09/2023	12/09/2023	Granted on 25/01/2024
6.	Ms.G.Uma Maheshwari	GSM Based Automation in a New Shopping System Designed for the Elderly and Those With Disabilities	202341059710	05/09/2023	06/10/2023	Published

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7.	Dr.J. Bhavithra Ms.S.C.Lavanya Mr.T.Kanagasabapathy Ms.C.Devipriya Ms.B.Suganya Mr.P.Boopathi Rajan Ms.S.Devilavanya Ms.J.Santhiya	Development and Implementation of a Smart Transportation Management System Based on IOT and the Cloud	202341065484	29/09/2023	13/10/2023	Published
8.	Dr. G. Anupriya Ms. C. Jayashree Dr. M.L. Valarmathi Dr. J. Bhavithra Ms. M. Gomathi Ms. G.Deepa Ms. A. Jayalakshmi	PORTABLE IMAGE AND TEXT RECOGNIZING DEVICE (Design Patent)	400790-001	28/11/2023	19/01/2024	Granted on 19/1/2024
9.	Ms.G.Gayathri Mr. K. Prabhu Mr.S.SenthilPrabhu	IOT AND ARTIFICIAL INTELLIGENCE BASED SMART INDOOR TRACKING SYSTEM TO TRACK MULTIPLE OBJECTS WITHIN A SMART HOME USING DATA MINING AND MACHINE LEARNING ALGORITHMS	202341076448	08/11/2023	22/12/2023	Published
10.	Mr. K. Prabhu	ARTIFICIAL INTELLECTUAL BASED AUTOMATIC FIRE DETECTION SYSTEM USING SENSOR, COMPUTER VISION AND DEEP LEARNING ALGORITHMS	202341083917	08/12/2023	05/01/2024	Published
11.	Mr.R.Karthick	ENHANCING VISUAL PERCEPTION FOR THE BLIND THROUGH FASTER R-CNN	202441011928	20/02/2024	08/03/2024	Published

<b>S. No</b>	<b>Name of the Faculty</b>	<b>Title of the Patent</b>	<b>Application Number</b>	<b>Filed Date</b>	<b>Published Date</b>	<b>Status</b>
12.	Ms.N.Sumathi	PORTABLE SOLAR AND ELECTRIC POWERED CHARGER FOR ELECTRONIC DEVICE (Design Patent)	409869-001		08/03/2024	Granted on 16/05/2024

**R&D Coordinator**

**PC**

**HoD**