

Research Paper Publications by the Faculty (2023-24)

Name	Title	Journal	Details	Indexing	Impact Factor
Dr.Cloudin	Driver behaviour prediction and enhanced ad hoc on-demand distance vector routing protocol in VANET	International Journal of Communication Systems	https://doi.org/10.1002/dac.5650	SCI	2.8
	Enhanced System for the Prediction of Vehicle Condition	International Journal of Vehicle Structures & Systems	https://doi.org/10.4273/ijvss.15.7.14	SCI	0.528
	Real Time Fake Logo Detection	IEEE Xplorer	doi: 10.1109/ICCPCT58313.2023.10245634	SCOPUS	
	Smart Vehicle Health Monitoring System Based On ARIMA and Ordinal Logistic Regression for Analysis of Vehicle Parameters	IEEE Xplorer	10.1109/ICSCAN58655.2023.10395495	SCOPUS	
Dr.Jothi S	An optimal hybrid AI-ResNet for accurate severity detection and classification of patients with aphasia disorder	Signal, Image and Video Processing	https://doi.org/10.1007/s11760-023-02620-0	SCI	2.3
	The self-adaptive dwarf mongoose optimized bidirectional network approach for enhanced recognition of overlapped English cursive characters	Signal, Image and Video Processing	https://doi.org/10.1007/s11760-023-02680-2	SCI	2.3

Dr. B V Krishna	An efficient spam detector model for accurate categorization of spam tweets using quantum chaotic optimization-based stacked recurrent network	NonLinear Dynamics	https://doi.org/10.1007/s11071-023-08697-z	SCI	5.6
	Exploration of sentiment analysis in twitter propaganda: a deep dive	Multimedia Tools and Applications	https://doi.org/10.1007/s11042-023-17383-6	SCI	3.6
	Optimizing E-waste management: Deep learning classifiers for effective planning	Journal of Cleaner Production	https://doi.org/10.1016/j.jclepro.2024.141021	SCI	11.1
Dr.Prasath R	Design and Implementation of a Pet Care and Tracking System	IEEE Xplorer	10.1109/ICONSTEM56934.2023.10142399	SCOPUS	
	Unleashing Customer Insights: Segmentation Through Machine Learning	IEEE Xplorer	10.1109/WCO NF58270.2023.10235136	SCOPUS	
Dr.Pari R	YouTube Video Spam Comment Detection Using Light Gradient Boosting Machine	IEEE Xplorer	10.1109/ICIRC A57980.2023.10220615	SCOPUS	
Ms. Keerthana	Virtual Eye – Revolutionizing Vision Assistance For People With Disabilities	International Journal on Recent and Innovation Trends in Computing and Communication	https://doi.org/10.17762/ijritcc.v11i10.8889	SCOPUS	1.376

Ms. Sangeetha	A broad study of machine learning and deep learning techniques for diabetic retinopathy based on feature extraction, detection and classification	Measurement : Sensors	https://doi.org/10.1016/j.measen.2023.100951	SCOPUS	5.6
Ms. Saranya	Plant Disease Prediction Using Efficientnet	IEEE Xplorer	10.1109/ICCPCT58313.2023.10245457	SCOPUS	
Ms. Suganya	Comparison of Blockchain Ecosystem for Identity Management	Next Generation Systems and Networks	https://doi.org/10.1007/978-981-99-0483-9_21	SCOPUS	

Research Paper Publications by the Faculty (2022-23)

Name	Title	Journal	Details	Indexing	Impact Factor
MrVasantha Kumar V	Developing a conceptual framework for short text categorization using hybrid CNN- LSTM based Caledonian crow optimization	Elsevier	https://doi.org/10.1016/j.eswa.2022.118517	SCI	8.665
	A Logical Investigation of Stock Market Prediction and Analysis using Supervised Machine Learning Algorithm	IEEE Xplorer	10.1109/ICNW57852.2023.10127391	Scopus	-
	Alzheimer Disease Diagnosis Using Convolutional Neural Network	IEEE Xplorer	10.1109/ICCST55948.2022.10040358	Scopus	-
	Crime Awareness and Registration System Using Chatbot	IEEE Xplorer	10.1109/ICCP55978.2022.10072070	Scopus	-
	Digital Documents Verification System	IEEE Xplorer	10.1109/ICCP55978.2022.10072252	Scopus	-

Dr.Prasath R	Braille Communication System for Visually Impaired with Haptic Feedback System	IEEE Xplorer	10.1109/ICOSE C54921.2022.9952150	Scopus	-
	Multifactor Prediction of weather Forecasting	IEEE Xplorer	10.1109/ICCST 55948.2022.10040344	Scopus	-
Dr S Sankar	Understanding Query Intention in Search Queries of Learners in Blended Learning Environments	IEEE Xplorer	10.1109/ICCCM LA56841.2022.9989024	Scopus	-
	Exploration of Performance of Dynamic Branch Predictors used in Mitigating Cost of Branching	IEEE Xplorer	10.1109/ICICIC T54557.2022.9917915	Scopus	-
	AI Enabled Educational Bot to Improve Learning Outcomes using Bag of Words Algorithm	IEEE Xplorer	10.1109/ICICIC T54557.2022.9917892	Scopus	-
	Intelligent Door Assist system using Chatbot and Facial Recognition	IEEE Xplorer	10.1109/ICSES5 5317.2022.9914298	Scopus	-
	Intelligent Organ Transplantation System Using Rank Search Algorithm to Serve Needy Recipients	IEEE Xplorer	10.1109/ICSES5 5317.2022.9914040	Scopus	-
Dr. Swati Saxena	An Intelligent Automated System for Porter Services in India	IEEE Xplorer	10.1109/ICSES5 5317.2022.9914372	Scopus	-
	A vision based Smart Human Computer Interaction System for Hand Gestures Recognition	IEEE Xplorer	10.1109/ICCST 55948.2022.10040464	Scopus	-
Dr. R. Pari	Accurate Prediction of Type 1 and Type 2	IEEE Xplorer	10.1109/ICICIC T54557.2022.99	Scopus	-

	Diabetes		17938		
Ms. Mercy	Building a Backend as a Service Platform in Kubernetes	IEEE Xplorer	10.1109/ICOSE C54921.2022.9951895	Scopus	-
Dr.Anand	Secured E-Market Auction for Advertisement Slots Using Blockchain	IEEE Xplorer	10.1109/ICBDS 53701.2022.9935913	Scopus	-
Dr. S Cloudin	An Automated System for Arrhythmia Detection using ECG records from MITDB	IEEE Xplorer	10.1109/ICACR S55517.2022.10029289	Scopus	-
Dr. Krishnamurthy	A Review to Analyze Insider Threats Using Machine Learning Techniques	Springer	https://doi.org/10.1007/978-981-19-9638-2_43	Scopus	-
	Wrapper Based Linear Discriminant Analysis (LDA) for Intrusion Detection in IIoT	Computer Systems Science and Engineering	https://doi.org/10.32604/csse.2023.025669	Scopus	2.7

Research Paper Publications by the Faculty (2021-22)

Name	Title	Journal	Details	Indexing	Impact factor
Dr. Krishnamurthy	Frequent Itemset Generation Using Association Rule Mining Based on Hybrid Neural Network Based Billiard Inspired Optimization	Journal of Circuits, Systems and Computers	https://doi.org/10.1142/S0218126622501389	SCI	1.67
	Association rule mining based fuzzy manta ray	Journal of Concurrency and	doi.org/10.1002/cpe.6790	SCI	1.831

	foraging optimization algorithm for frequent itemset generation from social media	Computation: Practice and Experience			
	Visualization of Dentate Nucleus, Pontine Tegmentum, Pontine Nuclei from CT Image via Non-Linear Perspective Projection	Journal of Signal, Image, and Video Processing, Springer.	https://doi.org/10.1007/s11760-021-01973-8	SCI	1.583
	Visualization of Pterygomaxillary Fissure Structure and Shape in CT Image via Non-Linear Perspective Projection	Journal of Medical Imaging and Health Informatics	DOI:10.1166/jmihi.2021.3809	SCI	0.659
Dr.Dhanalakshmi	Sentimental Analysis on twitter data of Political Domain	Lecture Notes on Data Engineering and Communication Technologies	978-981-16-0965-7	Scopus Indexed	-
	Survey on erythema migrans, and basal cell carcinoma in computer aided diagnosis	Advances in Parallel Computing	10.3233/APC210135	Scopus Indexed	0.43
	Implementing QR Code Based Contact Tracing Framework	IEEE Xplore	10.1109/ICSCAN53069.2021.9526486	Scopus	-
	Web Extension to identify Phishing URL	IEEE Xplore	https://ieeexplore.ieee.org/document/9917624	Scopus	-

	Towards Implementing Bert Based models for reading comprehension-based question answering	IEEE Xplore	https://dl.acm.org/doi/abs/10.1007/978-3-031-15512-3_17	Scopus	-
	Currency Detector for Visually Impaired using Machine Learning	IEEE Xplore	10.1109/ICS CAN53069.2 021.9526494	Scopus	-
	Spam Detection System Using Supervised ML	IEEE Xplore	10.1109/ICS CAN53069.2 021.9526421	Scopus	-
	Stock Price Prediction Based on LSTM Deep Learning Model	IEEE Xplore	10.1109/ICS CAN53069.2 021.9526491	Scopus	-
	Energy and Bandwidth Based Link Stability Routing Algorithm for IoT	Computers, Materials and Continua	10.32604/cm c.2022.02074 4	Scopus and SCI	3.86
	Abnormality Identification in Video Surveillance System using DCT	Intelligent Automation and Soft Computing	10.32604/iasc .2022.022241	Scopus and SCI	3.401
	A Novel Technique using IoT Based Automated Irrigation System for Smart Framing	Journal of Applied Science and Engineering (Taiwan)	https://doi.org/10.6180/jase.2.02208_25(4).0009	SCI	1.30
	Twitter based disaster management system using data mining	Lecture Notes on Data Engineering and Communication Technologies	978-981-16-0965-7	Scopus	-
Dr.Sankar S	Sentimental Analysis on twitter data of Political Domain	Lecture Notes on Data Engineering	978-981-16-0965-7	Scopus Indexed	-

		and Communicati on Technologies			
	AI Enabled Educational BOT to improve learning outcome using bag of words algorithm	IEEE Xplore	https://ieeexplore.ieee.org/document/9917892	Scopus	-
	Implementation of Neural Network based Dynamic branch predictor to mitigate cost of branching	IEEE Xplore	https://ieeexplore.ieee.org/document/9917915	Scopus	-
	Detection of Anomalous Behaviour in Online Exam towards Automated Proctoring	IEEE Xplore	10.1109/ICS CAN53069.2 021.9526448	Scopus	-
	Sign Language Translator Using YOLO Algorithm	Advances in Parallel Computing Technologies and Application	Doi:10.3222/ APC210136	Scopus	0.417
Dr.Ezil Sam Leni	Distributed Uneven Clustering Mechanism for Energy Efficient WSN	Wireless Personal Communicati on	https://doi.org/10.1007/s11277-021-08628-4	Scopus & SCI	2.017
Dr. Praveen Joe	Hybrid Cuckoo-red deer algorithm for multi objective localization strategy in wireless sensor network	International Journal of Communicati on System	https://doi.org/10.1002/dac.5042	Scopus & SCI	1.882
	A Chatbot to Promote Students Mental Health through Emotion Recognition	IEEE Xplore	10.1109/ICIR CA51532.20 21.9544838	Scopus	-
	Career Prediction	IEEE Xplore	https://ieeexplore.ieee.org/	Scopus	-

	using Navie Bayes		document/9917745/		
	An efficient neural network model for pneumonia detection	IEEE Xplore	https://ieeexplore.ieee.org/document/9885488	Scopus	-
Ms. Minu Susan Jacob	Fuzzy artificial bee colony-based CNN-LSTM and semantic feature for fake product review classification	Concurrency and Computation: Practice and Experience	10.1002/cpe.6539	Scopus & SCI	1.831
	Stock Price Prediction Based on LSTM Deep Learning Model	IEEE Xplore	10.1109/ICS CAN53069.2 021.9526491	Scopus	-
	Realtime Face Mask Detection Using Machine Learning	IEEE Xplore	10.1109/ICS CAN53069.2 021.9526418	Scopus	-
	Twitter based disaster management system using data mining	Lecture Notes on Data Engineering and Communication Technologies	978-981-16-0965-7	Scopus	-
Mr. Vasantha Kumar. V	Navie Bayes Algorithm for Sentiment Analysis on Twitter	IEEE Xplore	10.1109/ICS CAN53069.2 021.9526473	Scopus	-
	E-Governance and Public sector services in Chennai district	IEEE Xplore	https://ieeexplore.ieee.org/document/9917938	Scopus	-
	Digital Document Verification System	IEEE Xplore	https://ieeexplore.ieee.org/document/10072252	Scopus	-
	Identification of Plant Disease Using Image	IEEE Xplore	10.1109/ICS CAN53069.2	Scopus	-

	Processing and Image Recognition		021.9526493		
Ms. Mabel Nirmala Joseph	Spam Detection System Using Supervised ML	IEEE Xplore	10.1109/ICS CAN53069.2 021.9526421	Scopus	-
Ms. Keerthana SM	Road Accident Detection Using Machine Learning	IEEE Xplore	10.1109/ICS CAN53069.2 021.9526546	Scopus	-
Mr. Prasath R	Autonomous Application in Requirements Analysis of Information System Development for Producing a Design Model	IEEE Xplore	10.1109/C2I4 54156.2021.9 689440	Scopus	-
	Multifactor Prediction of weather Forecasting System	IEEE Xplore	https://ieeexplore.ieee.org/document/10040344	Scopus	-
	Braille Communication system for visually impaired with haptic feedback system	IEEE Xplore	https://ieeexplore.ieee.org/document/9952150	Scopus	-
Mr. Rajesh George Rajan	Autonomous Application in Requirements Analysis of Information System Development for Producing a Design Model	IEEE Xplore	10.1109/C2I4 54156.2021.9 689440	Scopus	-
	Hybridization of ML techniques for predicting breast cancer	IEEE Xplore	https://ieeexplore.ieee.org/document/9917768/	Scopus	-
	Driver Drowsiness Detection System Using YOLO	IEEE Xplore	https://ieeexplore.ieee.org/document/99	Scopus	-

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Dr. Swati Saxena	Real Time Sign Language to Text translator	IEEE Xplore	https://ieeexplore.ieee.org/document/10040464	Scopus	-
Ms. Humaira Begum	Blood Donor Management System	IEEE Xplore	https://ieeexplore.ieee.org/document/9917630/	Scopus	-
Mr. Rajaganapathy	Crime awareness and registration system using chatbot	IEEE Xplore	https://ieeexplore.ieee.org/document/10072070	Scopus	-
Mr. AdithyaPothan Raj	Intelligent Door Assist System Using Chatbot and Facial recognition	IEEE Xplore	https://ieeexplore.ieee.org/document/9914298/	Scopus	-
	Intelligent organ Transplant System VE needy Recipients	IEEE Xplore	https://ieeexplore.ieee.org/document/9914040/	Scopus	-
Ms. Arulmozhi	Best fit Player Acquisition and Squad Personnel system	IEEE Xplore	https://ieeexplore.ieee.org/document/10040369	Scopus	-
	Accident Detection Using Dense Net	IEEE Xplore	https://ieeexplore.ieee.org/document/9915904/	Scopus	-

Research Paper Publications by the Faculty (2020-21)

Name	Title	Journal	Details	Indexing	Impact Factor
Dr. Krishnamurthy	Analysing Social emotions in social network using graph	International Journal of Technology and	10.4018/IJTH I.2020040103	Scopus/SCI	0.292

M	based co-ranking algorithm	Human Interaction			
	Novel OGBEE- based Feature selection and feature- level fusion with MLP neural network for social media multimodal sentiment analysis	Soft Computing Methodologies and Application	https://doi.org/10.1007/s00500-020-05049-6	Scopus	3.732
	Effective Behavioural Analysis using Polystore Data Catalog and Intelligent Learning	IEEE Xplore	10.1109/SAS M51857.2021 .9841183	Scopus	-
	User Preference and Reviews Analysis with Neural Networks for Travel Recommender Systems	International Journal of Engineering Research and Technology	10.37624/IJE RT/13.8.2020 .1896-1900	Scopus	8.226
Dr.Dhanalakshmi R	Continuous user authentication using multimodal biometric traits with optimal feature level fusion	International Journal of Biomedical Engineering and Technology	https://doi.org/10.1504/IJB ET.2020.110334	SCI	1.2
	DYS-I_CAN: An Aid for the Dyslexic to improve the skills using Mobile Application	IEEE Xplore	10.1109/ICS CAN49426.2 020.9262375	Scopus	-
	Uncovering hidden community structures in evolving networks based on neighbourhood similarity	Journal of Intelligent & Fuzzy System	1064-1246	SCI	1.737
	Intelligent Personal Assistant Implementing Voice Commands enabling	IEEE Xplore	10.1109/ICS CAN49426.2 020.9262279	Scopus	-

	Speech Recognition				
	Sentimental Analysis on twitter data of Political Data using GRU Neural Network	International Journal of Advanced Science and Technology	http://serisc.org/journals/index.php/IJAST/article/view/19592	Scopus	2.94
	Implementing Blockchain technologies for health insurance claim processing in hospitals	Materials Today: Proceedings	https://doi.org/10.1016/j.matpr.2021.02.776	Scopus	2.59
Dr.Sankar S	Sentimental Analysis on twitter data of Political Data using GRU Neural Network	International Journal of Advanced Science and Technology	http://serisc.org/journals/index.php/IJAST/article/view/19592	Scopus	2.94
	Detection of Anomalous Behaviour in Online Exam towards Automated Proctoring	IEEE Xplore	10.1109/ICSCAN53069.2021.9526448	Scopus	-
Dr.Cloudin S	A Hybrid Approach on Human Driver Behaviour Prediction and Network Performance Evaluation in VANET	Solid State Technology	0038-111X	Scopus	0.095
Praveen Joe IR	Optimizing Resource Utilization through Offloading of Jobs in Mobile Devices Using Modified LSTM Algorithm	Journal of Computational Theoretical Nanoscience	10.1166/jctn.2020.9414	SCI	0.70
	Miniaturized Dual-Band Metamaterial Loaded Antenna for Heterogeneous Vehicular Communication Networks	IETE Journal of Research	https://doi.org/10.1080/03772063.2021.1892539	SCI	1.595

	A Chatbot to promote Students Mental Health through Emotion Recognition	IEEE Xplore	10.1109/ICIR CA51532.2021.9544838	Scopus	-
Ms. Minu	Realtime Face Mask Detection using Machine learning	IEEE Xplore	10.1109/ICS CAN53069.2021.9526418	Scopus	-
	Stock Price Prediction Based on LSTM Deep Learning Model	IEEE Xplore	10.1109/ICS CAN53069.2021.9526491	Scopus	-
Dr.Balaji A	Low-rate DDoS mitigation using real time multi threshold traffic monitoring system	Journal of Ambient Intelligent and Humanized Computing	https://doi.org/10.1007/s12652-020-02744-y	Scopus	3.662
	Geo Location Based Blood Donor Identification and Request Application using GPS	IEEE Xplore	10.1109/ICS CAN53069.2021.9526478	Scopus	-
Ms. Sylvia Grace J	Spatial mapping of COVID-19 for Indian states using Principal Component Analysis	Clinical epidemiology and Global health	10.1016/j.cegh.2020.100690	SCI	2.6
Ms. Lakshmi Priya	Study of Decentralized database Network using concepts of Blockchain	IEEE Xplore	https://ieeexplore.ieee.org/document/9841107	Scopus	-
Mr. Vasantha Kumar	Identification of Plant Diseases using Image Processing and image Recognition	IEEE Xplore	10.1109/ICS CAN53069.2021.9526493	Scopus	-
Ms. Humaira Begum	Multiple Face Detection and Attendance System Using Open CV	IEEE Xplore	10.1109/SAS M51857.2021.9841223	Scopus	-