

FACULTY PUBLICATIONS 2023-24

Sl.no.	Faculty Name	Publication Title	Title of Conference / Journal	Month & Year	Vol / Issue	ISSN / ISBN
1.	Dr. Nandagopalan.S	SS-WDRN: Sparrow Search Optimization – based weighted dual recurrent network for software fault prediction	Knowledge and Information Systems-An International Journal	Sep, 2023		
		doi:> https://doi.org/10.1007/s10115-023-01932-4				
2	Dr.Rajanna .M	Energy Efficient Clustering in WSN using bacterial Foraging and krill Herd Optimization	International journal of Intelligent systems and Applications in Engineering	Nov,2023		2146-6799
		Doi:> https://ijisae.org/index.php/IJISAE/article/view/4246				
3	Dr.Rajanna .M	A Comprehensive Analysis of Soft Computing Techniques for Effective Routing in WSN's	IJIRS International Journal of Innovative Research and Scientific Studies	Jan,2024	Volume 10, Issue 01,	2349-7017
		Doi:> https://doi.org/10.26562/ijiris				

4	Dr.Rajanna .M	Predicting the Energy Efficiency in Wireless Sensor Networks using LSTM and Random Forest Method	International Journal of Science and Research (IJSR)	Jan,2024	Volume 13 Issue 1	2319-7064
		Doi: https://dx.doi.org/10.21275/SR24105145623				
5.	Prof.Manjushree C.V	A Hybrid Double Encryption Approach for Enhanced Cloud Data Security in Post-Quantum Cryptography	(IJACSA) International Journal of Advanced Computer Science and Applications	Dec 2023	Vol. 14, No. 12,	
		Doi:>http://dx.doi.org/10.14569/IJACSA.2023.0141225				
6	Prof.Aruna Reddy .H	Energy Efficient Clustering in WSN using bacterial Foraging and krill Herd Optimization	International journal of Intelligent systems and Applications in Engineering	Nov,2023		2146-6799
		Doi:> https://ijisae.org/index.php/IJISAE/article/view/4246				
7	Prof. Aruna Reddy .H	A Comprehensive Analysis of Soft Computing Techniques for Effective Routing in WSN's	IJIRS International Journal of Innovative Research and Scientific Studies	Jan,2024	Volume 10, Issue 01,	2349-7017
		Doi:> https://doi.org/10.26562/ijiris				
8		Predicting the Energy Efficiency in Wireless	International Journal of	Jan,2024	Volume 13 Issue 1	2319-7064

	Prof. Aruna Reddy .H	Sensor Networks using LSTM and Random Forest Method	Science and Research (IJSR)			
Doi: https://dx.doi.org/10.21275/SR24105145623						
9.	Prof. A.Stella	Few shot learning for cross domain ckd and prediction based on homomorphing filter with tuna swarm optimization	Multimedia tools and applications	Feb, 2024		1573-7721

FACULTY PUBLICATIONS 2022-23

Sl.no .	Faculty Name	Publication Title	Title of Conference / Journal	Month & Year	Vol / Issue	ISSN / ISBN	
1.	Dr. Nandagopalan	Detection of depression using acoustic and treatment response prediction using machine learning	IRJCS(International Research Journal Of Computer Science	Aug, 2022	Vol.9, Issue. 8		
		doi:> https://doi.org/10.26562/irjcs.2022.v0908.006					
		Smart detection of damaged roads using machine learning	IRJCS(International Research Journal Of Computer Science	Aug, 2022	Vol.9, Issue. 8		

		doi:> https://doi.org/10.26562/irjcs.2022.v0908.27				
2.	Dr.Sathyanarayana .N	A survey on Vehicle Detection and Classification for Electronic Toll Collection applications	Distributed Computing and Optimization Techniques Springer Lecture notes	September 2022.		
		https://doi.org/10.1007/978-981-19-2281-7_10				
3	Dr.Sathyanarayana .N	Vehicle Type Detection and Classification Using Enhanced Relief Algorithm and Long Short-Term Memory Network	Springer	Dec 2022	Vol.10 4, Issue: 2	
		https://doi.org/10.1007/s40031-022-00838-z				
4.	Prof.Lakshmi shree K	A Modified boosted Ensemble Classifier on Location Based Social Networking	Journal of Information and Organizational Science-Scopus Indexed	Jan,2023	Vol.47	
		https://doi.org/10.31341/jios.47.1.4				
		Traffic Prediction Using Machine Learning	IRJCS	Aug, 2022	Vol.9, Issue. 8	
		doi:> https://doi.org/10.26562/irjcs.2022.v0908.14				
		Fake News Detection Using Machine Learning	IRJCS	Aug, 2022	Vol.9, Issue. 8	
		doi:> https://doi.org/10.26562/irjcs.2022.v0908.12				
5.	Prof.R.Vijaya Lakshmi	Block Chain Based Biometric	IRJCS	Aug, 2022	Vol.9,	

		Authentication Scheme			Issue. 8	
		doi:> https://doi.org/10.26562/irjcs.2022.v0908.005				
		Speech Emotion Recognition Using Deep Learning	IRJCS	Aug, 2022	Vol.9, Issue. 8	
		doi:> https://doi.org/10.26562/irjcs.2022.v0908.22				
6.	Prof.Sridevi K.N	Agriculture analysis using Ensemble learning technique	IRJCS	Aug, 2022	Vol.9, Issue. 8	
		https://doi.org/10.26562/irjcs.2022.v0908.002				
7.	Prof.A Stella	Review spam detection using machine learning	IRJCS	Aug, 2022	Vol.9, Issue. 8	
		https://doi.org/10.26562/irjcs.2022.v0908.20				
8.	Prof.Manoj Kumar H	Infraredwireless under water communication system	IRJCS	Aug, 2022	Vol.9, Issue. 8	
		doi:> https://doi.org/10.26562/irjcs.2022.v0908.010				
		Student career guidance	IRJCS	Aug, 2022	Vol.9, Issue. 8	
		doi:> https://doi.org/10.26562/irjcs.2022.v0908.30				
9.	Prof.Vinay B V	Diabetes Prediction using Machine Learning	IRJCS	Aug, 2022	Vol.9, Issue. 8	
		https://doi.org/10.26562/irjcs.2022.v0908.007				
		MEGACOSM - Detection and Classification of Astronomical Objects	IRJCS	Aug, 2022	Vol.9, Issue. 8	
		https://doi.org/10.26562/irjcs.2022.v0908.13				

FACULTY PUBLICATIONS 2021-22

Sl.no.	Faculty Name	Publication Title	Title of Conference / Journal	Month & Year	Vol / Issue	ISSN / ISBN	
1	Dr.Rajanna .M	"Energy Efficient Routing Protocol For Multisink Wireless Sensor Networks"	Scopus Indexed Springer SIST Series Publication	Dec 13, 2021,	Vol:30 3	1583-6258	
https://link.springer.com/chapter/10.1007/978-981-19-2719-5_60							
2	Prof.Sridevi K N	A study of prototyping in Information Retrieval process utilizing context requirements and feature Sample sizes	Web of Science	August 2021,		2589-4900	
DOI:10.2991/ahis.k.210913.012							
		Integrative Information Retrieval with a Consumer Strategy approach"	Web of Science	August 2021,		2589-4900	
Web of Science online on August 2021, https://dx.doi.org/10.2991/ahis.k.210913.013 , https://dx.doi.org/10.2991/ahis.k.210913.013 ,							
		Hierarchical Cluster-Based Model to Evaluate Accuracy Metrics Based on Cluster Efficiency	Lecture Notes in Networks and Systems , Springer		Vol:33 4	16-6369-7_61,	
DOI: 10.1007/978-981-16-6369-7_61							

3		Doc-To-Tokens based Pre-Processing in Information Retrieval System	Web ology	2021	Volume 18	
	DOI: 10.14704/WEB/V18SI05/WEB18247					
	Dr.Sathyanarayana M	Vehicle Type Classification Using Hybrid Features and a Deep Neural Network,	Web of Science Open Access ,International Journal of Applied Metaheuristic Computing	March 2022	Volume 13 Issue 1	
DOI: https://doi.org/10.1007/s40031-022-00838-z						
4.	Prof.A.Stella	Forecasting of Chronic kidney Disease and analysis of the classifiers using ML based Classification Approaches	IEEE xplore IJARCCE	Jan 2022		
DOI: https://doi.org/ 10.1109/ICAECA52838.2021.9675578						
5.	Prof.Mythili M	Internet Of Things enabled Onion Growth Monitoring system Using Cloud	ICOSEC(International Conference on Smart Electronics and Communication) IEEE Xplore	2021		978-6654-3367-9
DOI: https://doi.org/ 10.1109/ICOSEC51865.2021.9591782						

RESEARCH SCHOLARS ACTIVITIES

PhD Guided:

Sl.no.	Name of the guide	Name of the awardee	Year Awarded
1	Dr. S. Nandagopalan	Kumar P K	2020

PhD Awarded:

Sl.no.	Name of the faculty	Name of the guide	Year Awarded
1	Dr. Rajanna M	Dr ShivaMurthy G	2023
2	Dr.Sathyanarayana N	Dr Anand Narsimha Murthy	2023

Ph.D Guidance:

Sl.no.	Research guide	Name of Scholar	Research Area	Year of Registration	Status
1.	Dr. S Nandagopalan	Anu Jose	Machine Learning & Image Processing	20-Jul-2018	Comprehensive viva completed
		J Brundha Elci	Predictive Analytics(Software Quality Assurance)	08-Jul-2019	Comprehensive viva completed

Ph.D Pursuing:

Sl.no	Name of the Faculty	Research Center	Guide	Area of Research	Year of Registration	Status
1	Prof.A Stella	DayanandaSagar College of Engineering	Dr. P. Vasanthi Kumari	Machine Learning	2017	Comprehensive Viva

2	Prof.Sridevi K.N	RNSIT	Dr. Prakasha S	Data Mining.	2017	Completed Course Work
3	Prof.Mythili M	Dayananda Sagar College of Engineering	Dr. P. Vasanthi Kumari	Machine learning	2017	Comprehensive Viva
4	Prof.Aruna Reddy H	VTU -RRC	Dr. Shiva Murthy G	Networking	2016	Open seminar Completed
5	Prof.Manjushree C.V	VTU -RRC	Dr. Nanda kumar A N	Cloud Computing	2015	Completed PhD Viva
6	Prof.B V.Vinay	VTU - RRC	Dr Shrishail Math	Data mining	2016	Completed Course Work
7	Prof.Lakshmi Shree K	BMS College of Engineering	Dr R Ashok Kumar	Cloud computing	2017	Completed Open Seminar
8	Prof.Manoj Kumar H	RNS Institute of Technology	Dr. M V Sudhamani	Image processing	2015	Completed Course Work
9.	Prof.VijayaLakshmi R	Alliance University	Dr.Selva Rani	Block chain development	2020	Completed Course Work
10.	Prof. Bhavana Nagaraj	VTU	Dr. Varaprasad G	Artificial Intelligence	2020	Completed Course Work

				& Machine learning		
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