

Department of Information Technology(First Shift)

**Journal Publication Since 2015
to July 2021**

<u>S.No</u>	<u>Faculty Name</u>	<u>Title</u>	<u>Journal</u>	<u>ISSN/ISBN</u>	<u>Year</u>
1	Dr.Tripti Sharma	Fuzzy Based Ant Colony Optimization Algorithms in Wireless Sensor Network	Wireless Personal Communication	ISSN: 0929-6212 (print version) ISSN: 1572-834X (electronic version) DOI:10.1007/S11277-015- 2612-Y	2015
		Optimized Genetic Algorithm (OGA) for Homogeneous WSNs	International Journal of Future Generation Communication and Networking	ISSN: 2233-7857	2015
		Comparision of Ant Colony Optimization Algorithms for Routing Problems in Ad Hoc Networks	International Journal of Communication System and Network Technologies	ISSN 2053-6283	2015
		Force Directed Placement:GPU Implementation	TECH-CHRONICLE:An International E-Journal on Emerging Trends in Science, Technology and Management ,vo1(2),2015	ISSN NO:2454-1958	2015
		WSN Protocols based on Genetic Algorithms :A survey	International Journal of Communication System and Network Technologies	ISSN 2053-6283 DOI-10.18486/IJCSNT.2015.4.2.03	2015
		Security in WSN: A Survey	International Journal of Communication System and Network Technolgies	ISSN 2053-6283 DOI-10.18486/IJCSNT/2015.4.2.04	2015
		Performance Comparison of AODV,DSR and DSDV routing protocol for WiMax mash Networks	2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom) (Publisher IEEE, Citations- 05) PP:2624-2627	Print ISBN:978-93-84935-45-0. 5	2016
		Cluster Head Election with Hexagonal Node Deployment Techniques in Wireless Sensor Networks	International Journal of Future Generation Communication and Networking	ISSN: 2233-7857 http://dx.doi.org/10.14257/ijfgcn.2016.9.1.22	2016
		FDBSCAN: Fuzzy based DBSCAN algorithms for densely deployed wireless sensor network for prolonging network lifetime	International Journal of Communication System and Network Technologies	2053-6283	2017
		Comparision of Bacteria Foraging Optimization Algorithm and Its Variants in WSN	International Journal of Innovation in Engineering Research & Management	2348-4918	2019
		Colony optimization based hybrid algorithm for large Wireless Sensor Network	International Journal of grid and distributed Computing	2005-4262	2020
		Evaluation of Python Text Summarization Libraries	International Journal of Engineering Development and Research	2321-9939	2021
		A review of soft computing based cluster-heads selection algorithms in wireless sensor networks	Materials Today Proceedings	2214-7853	2021
Diagnosis of COVID-19 through blood sample using Ensemble Genetic Algorithms and Machine Learning Classifiers	World Journal of Engineering	1708-5284	2021		
2	Dr. Suman Mann	Devanagari Character Recognition Using Artificial Neural Network	International Journal of Engineering and Technology (IJET)	2227-524X	2017

		Distributed Synthetic Minority Oversampling Technique	International Journal of Computational Intelligence Systems	1875-6883	2019
		Estimation of age groups using facial recognition features.	International Journal of Engineering and Computer Science	2319-7242	2018
		A focus on the ICU's Mortality prediction using a CNN-LSTM model	International Journal of Psychosocial Rehabilitation	1475-7192	2020
		Imbalanced Data Learning With a Novel Ensemble Technique: Extrapolation-SMOTESVM Bagging	International journal of grid and distributed computing	2005-4262	2020
		Dynamic construction of lattice of cuboids in data warehouse	Journal of Statistics and Management Systems	2169-0014	2020
		Sepsis-Diagnosed Patients' In-Hospital Mortality Prediction Using Machine Learning: The Use Of Local Big Data-Driven Technique In The Emergency Department	International journal of grid and distributed computing	2005-4262	2020
		Imbalanced Data Learning With a Novel Ensemble Technique: Extrapolation - SMOTESVM Bagging	International Journal of grid and distributed Computing	2005-4262	2020
		Dynamic construction of lattice of cuboids in data warehouse	Journal of Statistics and Management Systems	0972-0510	2020
		Prediction Using Machine Learning: The Use Of Local Big Data-Driven Technique In The Emergency Department	International Journal of grid and distributed Computing	2005-4263	2020
		A focus on the ICU's Mortality prediction using a CNN- LSTM model	International Journal of Psychosocial Rehabilitation(Scopus)	1475-7192	2020
		The Block chain Revolution: Paradigm Shifts in Traditional Voting Practices	International Journal of Computer Applications	0975 - 8887	2020
		Algorithms as Classifiers for Predicting Disease Severity in Data Warehouse Environments	Revista Argentina de Clínica Psicológica	0327-6716	2020
		Review on Predicting Disease Severity – Learning Algorithms as Classifiers for Data Warehouse Environments	Information Technology in Industry	2203-1731	2021
		A novel home automation distributed server management system using Internet of Things	International Journal of Ambient Energy	0143-0750	2021
3	Dr. Prabhjot Kaur	Improved version of kernelized Fuzzy c means using Credibility	International Journal of Computer Science and Network	2277-5420	2016
		Enhancing Spatial FCM using Intuitionistic Fuzzy sets	International Journal of Computer Science and Network	2277-5420	2016
		Spam Detection on Twitter Using Fuzzy Logic	International Journal of Trend in Research and Development	2394-9333	2017

		Intuitionistic fuzzy sets based credibilistic fuzzy C-means clustering for medical image segmentation	International Journal of Information Technology	2511-2104	2017
		An intelligent undersampling technique based upon intuitionistic fuzzy sets to alleviate class imbalance problem of classification with noisy environment	Int. J. Intelligent Engineering Informatics	1758-8723	2018
		Issues and challenges of class imbalance problem in classification	International Journal of Information Technology,	2511-2104	2018
		FF-SMOTE: A Meta-heuristic approach to combat Class Imbalance in Binary Classification	Applied Artificial Intelligence, Taylor & Francis	1087-6545	2019
		Empirical Assessment of Ensemble based Approaches to Classify Imbalanced Data in Binary Classification	International Journal of Advanced Computer Science and Applications	2156-5570	2019

		Empirical Analysis of Cervical and Breast Cancer Prediction Systems using Classification	International Journal of Education and Management Engineering	2305-8463	2019
		A.Robusthybrid data-level sampling approach to handle Imbalanced data during classification.	Soft Computing	1433-7479	2020
		Fuzzy clustering-based image segmentation techniques used to segment magnetic resonance imaging/computed tomography scan brain tissues: Comparative analysis.	International Journal of Imaging Systems and Technology	1098-1098	2020
		A novel fuzzy approach for segmenting medical images	Soft Computing, Springer	1433-7479	2020
		GT2FS-SMOTE: An Intelligent Oversampling Approach Based Upon General Type-2 Fuzzy Sets to Detect Web Spam	Arabian Journal of Science and Engineering, Springer	2191-4281	2020
		Review on Data Level Approaches to Address the Class Imbalance Problem	in Recent Challenges in Engineering Science and Technology	ISSN 978-93-90214	2021
		State of the Art on Data level methods to address Class Imbalance Problem in Binary Classification	in GIS Science Journal	ISSN 1869-9391	2021

4	Dr. Anupama Kaushik	A hybrid approach for software cost estimation using polynomial neural networks and intuitionistic fuzzy sets.	International Journal of Computer Applications in Technology	1741-5047	2015
		An improved functional link artificial neural networks with intuitionistic fuzzy clustering for software cost estimation.	International Journal of System Assurance Engineering and Management	0976-4348	2016
		Integrating firefly algorithm in artificial neural network models for accurate software cost predictions	Journal of Software: Evolution and Process	2047-7481	2016
		IOT-An Overview	International Journal of Advanced Research in Computer and Communication Engineering	2278-1021	2016
		A Study on Agile Methodologies.	International Journal of Advanced Research in Computer and Communication Engineering	2278-1021	2016

		A Transition from Traditional to Agile Software Development	International Journal of Advanced Research in Computer and Communication Engineering	2278-1021	2016
		Analytical Study of L.S.B & D.C.T Algorithm in Audio Video Steganography.	International Journal of Advanced Research in Computer Science and Software Engineering	2278-1021	2016
		DSDM and ASD Agile Methodologies	International Advanced Research Journal in Science, Engineering and Technology	2393-8021	2016
		Software Cost Optimization Integrating Fuzzy System and COA-Cuckoo Optimization Algorithm	International Journal of Systems Assurance Engineering and Management	0976-4348	2017
		A hybrid model of wavelet neural network and metaheuristic algorithm for software development effort estimation	International Journal of Information Technology	2511-2104	2019
		A Fuzzified Story Point Approach for Agile Projects	Int. J. Agile Systems and Management	1741-9182	2020
		The Role of Neural Networks and Metaheuristics in Agile Software Development Effort Estimation	International Journal of Information Technology Project Management	1938-0232	2020
5	Ms Sonika Malik	Devising a Super Ontology	Procedia Computer Science	1877-0509	2015
		A Realist Framework for Ontologies and the Semantic Web	Procedia Computer Science	1877-0509	2015
		Study on Existing Ontological Technologies	MSIT SATYAM	2319-7897	2016
		Design and Implementation for Super Ontology	MSIT SATYAM	2319-7897	2016
		Sup_Ont: An Upper Ontology	International journal of Web based Learning and Teaching	1548-1093	2019
		Ontology Based Construction of Bayesian Network	International Journal of Research in Advent Technology	2321-9637	2019
		Handling Uncertainty in OWL using BN	Test Engineering and Management	0193-4120	2020
		A Review on Methods to handle uncretainty - Book Chapter	New Trends in Computational Vision and Bio-inspired Computing	978-3-030-41861-8	2020
		Sup_Ont: An Upper Ontology	International Journal of Web Based Learning and Teaching Technologies	ISSN 1548-1093	2021
		Semantic Ontology-Based Approach to Enhance Text Classification	in International Semantic Conference	ISSN 1613-0073	2021
6	Ms. Jyoti Khurana	A new kernel-based possibilistic intuitionistic fuzzy c-means clustering	International Journal of Artificial Intelligence and Soft Computing	1755-4950	2018

		Robust spatial intuitionistic fuzzy C-means with city-block distance clustering for image segmentation.	Journal of Intelligent & Fuzzy Systems	1064-1246	2018
		Intuitionistic Level Set Segmentation for Medical Image Segmentation	Recent Patents on Computer Science	2213-2759	2019
		A new Semi-Supervised Intuitionistic Fuzzy C-means Clustering.	EAI Endorsed Transaction on Scalable Information Systems	2032-9407	2019
		Improving Semi-Supervised Classification using Clustering	EAI Endorsed Transaction on Scalable Information Systems	2032-9407	2019
		An Enhanced Spatial Intuitionistic Fuzzy C-means Clustering for Image Segmentation	Procedia Computer Science	ISSN: 1877-0509	2020
		Performance Analysis of Fuzzy c-means, Mountain and Subtractive Clustering Techniques	Journal of Multi Disciplinary Engineering Technologies	0974-1771	2020
		Game Theory and its Applications in Cyber Security	In Journal of Multidisciplinary Engineering Technologies	0974-1771	2021
		Comparative Analysis of Generative Adversarial Network	International Journal of Information, Communication and Computing Technology	2347-7202	2021
7	Mr. Surender Singh	Web-Spam Features Selection Using CFS-PSO	Procedia Computer Science	1877-0509	2018
		Detection of Spam Using Particle Swarm Optimisation in Feature Selection	Pertanika Journal of Science & Technology	0128-7680	2018
		Correlation-based feature subset selection technique for web spam classification	Int. J. Web Engineering and Technology	41-9212	2018
		Comparison Of Web - Mining Techniques - A Survey Paper	International Journal of Advanced Research	ISSN 2320-5407	2019
		Condition Based Disease Detection Using Machine-Learning Algorithms Based Prediction	International Journal of Computer Science and Engineering	2347-2693	2020
8.	Ms. Preeti Rathee	E-commerce Product Analysis Using Sentimental Analysis	International Journal of Computer Science and Engineering	2347-2693	2019
9	Ms. Mamta Gahlan	Management of various risk over years in SDLC	International Journal of Advanced Research in Computer science	76-5697	2017

Analytical Finding on Data Mining Algorithms	International Journal of Advanced Research in Computer Science	0976-5697	2017
Tools, Strategies & Models for Incorporating Software Quality Assurance in Risk	Oriental journal of Computer Science and technology	0974-6471	2017
Securing of coloured Image using Visual Cryptography and Digital Enveloping	International Journal for Scientific Research and Developement	2321-0613	2020

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Conference Publication Since 2015 to July 2021

<u>S.No</u>	Faculty Name	Title	Conference Name	Year
1	Dr. Tripti Sharma	Fuzzy based DBSCAN Algorithm to Elect Master Cluster Head and enhance the network lifetime and avoid redundancy in wireless sensor network	ternational Conference on Innovative Computing & Communications (ICICC) 2020	2020
		EECC-SEP: Ant based Energy Efficient Condensed Cluster Stable Election Protocol in Wireless Sensor Network	International Conference on Innovative Computing & Communications (ICICC) 2020	2020
2.	Dr. Suman Mann	The Intelligizer system, Personalized Automation of Electrical and Electronic Devices using Sensors and Artificial Intelligence	ternational Conference on Computational Intelligence, IIT Kanpur	6-8 Dec2017
		A Survey on Quality Attributes for Data Warehouse Conceptual Model. IEEE Conference,	5th International Conference on —Computing for Sustainable Global Developmentl, ISSNNO 0973-7529	14th -16th March 2018
		Data Quality Issues in Phases of Data Warehousing	4thInternational Conference on —Computing for Sustainable Global Developmentl,	01st – 03rd March, 2017,
		Efficient data cube materialization	First International conference on advanced communication	2019
		Smart Hospitals With the Use of 'Internet of Things' and Artificial Intelligence	International Conference on Innovative Computing & Communications (ICICC) 2020	2020
		Experimental analysis of fuzzy clustering algorithms	ternational conference on frontiers of Intelligent computing:Theory and applications(FICTA2020)	2020
		Data Model Quality Metrics of Data Warehouse: A Survey	International Conference on Innovative Computing & Communications (ICICC) 2020	2020
3	Dr Prabhjot Kaur	Spam detection on Twitter: A survey.	In 2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)	2016
		Platelet count using image processing	In 2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)	2016
		Survey of fuzzy based techniques to address Class Imbalance Problem.	In 2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)	2016
		Techniques based upon boosting to counter class imbalance problem—a survey.	In 2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)	2016
4	Dr. Anupama Kaushik	Impact of feature selection and engineering in the classification of handwritten text.	In 2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)	2016
		A Review on Software Cost Estimation techniques in Agile Projects	4th International Conference on Computing for Sustainable Global Development	01-03, March 2017
		Knowledge Directed Multi-task Framework for Natural Language Inference in Clinical Domain	BioNLP 2019	1st August 2019

		Software Cost Estimation Using LSTM – RNN	International Conference on Artificial Intelligence and Applications	2020
5	Ms. Sonika Malik	Review on Methods to handle Uncertainty	International Conference on Computational Vision and Bio inspired Computing	29-30, Nov 2018
		Ontology Based Context Aware Model	International Conference on Computational Intelligence in Data Science	2nd -3rd June 2017
		Knowledge Representation Formalisms: Description Logics	1st International Conference on Science in Hindi	22nd August 2017
6	Ms Jyoti Khurana	Performance Assessment for Clustering Techniques for Image Segmentation	CSI-50th Golden Jubilee Annual Convention on Digital Life	2nd – 5th December, 2015
		Fuzzy c-means clustering strategies: A Review of Distance Measure	CSI-50th Golden Jubilee Annual Convention on Digital Life	2nd – 5th December, 2015
		Hybrid FCM PSO with City Block Distance	2016 3rd International Conference on Computing for sustainable Global Development	16-18 March, 2016
		Hybrid KFCM-PSO Clustering Technique for Image Segmentation	International Conference on Artificial Intelligence and Applications	2020
		Performance Analysis of Different Kernel Functions for MRI Image Segmentation	International Conference on Artificial Intelligence and Applications	2020
		Hybrid KFCM-PSO Clustering Technique for Image Segmentation	International Conference on Artificial Intelligence and Applications.	2020
		Performance Analysis of Different Kernel Functions for MRI Image Segmentation	International Conference on Artificial Intelligence and Applications.	2020
7	Ms. Mamta Gahlan	Distinctive Type of Fall Detection Methods Using Wearable Device Safety and Security of Elderly Person	International conference on recent Development in science and egg.	2020