

**Dr. K. Vimala Devi**

Associate Professor

School of Computer Science and Engineering

Vellore Institute of Technology, Vellore-632014

vimaladevi.k@vit.ac.in

Network Management and WSN, Biomedical, Cloud Computing, Big Data

8248731513

**List of Publications**

1.	A novel spectrum-aware clustering algorithm based on golden ratio optimization and fuzzy clustering for cognitive radio networks M Ponnrajakumari, K Devi, M Subramaniam INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2020
2.	A hybrid spectrum sensing approach to select suitable spectrum band for cognitive users KVD R. Rajaguru Computer Networks	2020
3.	Cross Layer QoS Guaranteed Fault Tolerance for Data Transmission in Mobile Wireless Sensor Networks C Shyamala, MG Priya, KA Devi WIRELESS PERSONAL COMMUNICATIONS	2020
4.	MapReduce-based big data framework using modified artificial neural network classifier for diabetic chronic disease prediction R Ramani, KV Devi, KR Soundar Super Computing	2020
5.	Region based Facial Expression using Gradient Directions Vinola c., Vimala Devi K.,Manjula V., Muthurajkumar S. International Journal of Innovative Technology and Exploring Engineering 9 ...	2020
6.	A SURVEY ON CLUSTERING ALGORITHMS IN COGNITIVE RADIO NETWORKS NPKV Devi Journal of Critical Reviews 7 (19), 722-729	2020
7.	Implementation of Vehicular Networking using OMNeTpp KVD R. Kavitha, E.Kannan, P. Visu International Journal of Advanced Trends in Computer Science and Engineering ...	2019
8.	Design and Implementation of CfoTS Networks for Industrial Fault Detection and Correction Mechanism KV S. Karthikeyan, K. Vimala Devi The Journal of Supercomputing	2019
9.	A cluster prediction model-based data collection for energy efficient wireless sensor network S Diwakaran, B Perumal, KV Devi The Journal of Supercomputing 75 (6), 3302-3316	2019

10.	Design and Implementation of Steering Based Headlight Control System Using CAN Bus M Dhivya, KG Devi, SK Suguna International Conference on Computer Networks and Inventive Communication ...	2019
11.	Choice of different types of drinking water and its impact on the people in Chennai. K Devi, RG Devi, A Jyothipriya Drug Invention Today 12 (4)	2019
12.	A trust based hypervisor framework for preventing DDOS attacks in Cloud VDK Vetha. S Concurrency Computat. Pract. Exper. 2019-e5279	2019
13.	An intelligent data aware and energy censoring scheme for wireless sensor networks S Diwakaran, B Perumal, KV Devi Cluster Computing 22 (2), 4213-4220	2019
14.	Green Enhancement for Resource Allocation in Cloud Management Princy Rufia. C, K. Vimala Devi International Journal of Research in Engineering Technology, ISSN: 2455-1341 ...	2018
15.	Recovering Insufficient and Inconsistent Data using Fuzzy-Based Information Decomposition Technique KVD C.Subhashri, Maruthu Pandi.J International Journal of Pure and Applied Mathematics 118 (12), <a href="http://www...">http://www ...</a>	2018
16.	Congestion control mechanism using Traffic Aware Dynamic Routing (TADR) algorithm JUSKVD S. Pavithra, R. Bavani International Journal of Engineering Research in Computer Science and ...	2018
17.	A study of congenital anomalies in a tertiary care hospital in North East region, India K Devi, R Devi, J Priya, A Sanaton, L Singh, L Murray International Journal of Reproduction, Contraception, Obstetrics and ...	2018
18.	Recovering Insufficient and Inconsistent Data using Fuzzy-Based Information Decomposition C Subhashri, J Maruthupandi, KV Devi International Journal of Pure and Applied Mathematics 119 (12), 13651-13658	2018
19.	Smile Intensity recognition in real time videos: fuzzy system approach VCKV Devi Multimedia tools and applications	2018
20.	An Effective Localization for Precision Agriculture Using Wireless Sensor Network KVD R.Lalitha International Journal of Science and Innovative Engineering & Technology 1 (1)	2017

21.	Multi criteria Decision Support for Feature Selection in Network Anomaly Detection System VDK Seelammal. C International Journal of Data Analysis Techniques and Strategie 10 (3), 334-350	2017
22.	Middling role of social support between work family conflict and job satisfaction among professional women in Tamil Nadu S Sakthivelrani, KR Devi Electronic Government, an International Journal 13 (4), 339-355	2017
23.	6. Work Family Enrichment and Life Satisfaction among Women in IT Sector KR Devi Revista de la Facultad de Agronomia de la Universidad del Zulia 34 (3)	2017
24.	Dynamic resource allocation in cloud using queuing model KVD Vetha.S Jr. of Industrial Pollution Control 33 (2), 39-46	2017
25.	Multi-label text classification using optimised feature sets J Maruthupandi, KV Devi International Journal of Data Mining, Modelling and Management 9 (3), 237-248	2017
26.	Hadoop based Feature Selection and Decision Making Models on Big Data KVD C.Seelammal Middle –East Journal of Scientific Research 25 (3), 660-665	2017
27.	Computational intelligence in intrusion detection system for snort log using hadoop C Seelammal, KV Devi 2016 International Conference on Control, Instrumentation, Communication and ...	2016
28.	Performance Analysis Of Radio Access Techniques In Self-Configured Next Generation Wireless Networks KV Rajaguru R Advances in Natural and Applied Sciences 10 (10), 232-241	2016
29.	Dynamic batch mode cost-efficient independent task scheduling scheme in cloud computing RK Devi, KV Devi, S Arumugam Int. J. Adv. Soft Comput. Appl 8 (2)	2016
30.	Performance Analysis Of Radio Access Techniques In Self-Configured Next Generation Wireless Networks RRK Vimaladevi Advances in Natural and Applied Sciences 10 (10), 232-241	2016
31.	Dynamic batch mode cost -efficient independent task scheduling scheme in Cloud Computing SA R. Kanniga Devi, K. Vimala Devi J. Advance Soft Compu. Appl 8 (2)	2016
32.	Efficient Feature Extraction for Text Mining AV Maruthu Pandi.J, Vimala Devi.K	2016

	Advances in Natural and Applied Sciences 10 (4), 64-73	
33.	Asserssment of Physical and Psychological Wellbeing of workers in Unorganized Sector K Devi Lucknow	2016
34.	Prevalence of city, Uttar Pradesh K Devi, UV Kiran International Journal of Current Research	2016
35.	A review: big data analytics in health care RPV Devi. K Indian Journal of Engineering, An International Journal 13 (31)	2016
36.	Internet of Things: hospice appliances monitoring and control system S Karthikeyan, KV Devi, K Valarmathi 2015 Online International Conference on Green Engineering and Technologies ...	2015
37.	Online Monitoring And Counting Of Voting Using Zigbee Protocol and Cloud Computing KV S.Karthikeyan, K.Vimala Devi International Journal of Applied Engineering Research, ISSN 0973-4562. 10 (5 ...	2015
38.	Assessment of Intrusion Detections System - A Multidisciplinary Analysis VDK Seelammal. C International Journal of Applied Engineering Research, ISSN 0973-4562, 19 ...	2015
39.	A technical survey on Data Deduplication for Cloud Backup using ALG-Deduplication Scheme BKV Devi International Journal of Applied Engineering Research, ISSN 0973-4562. 10 ...	2015
40.	Assessment of Intrusion Detections System - A Multidisciplinary Analysis KVD Seelammal.C International Journal of Applied Engineering Research, ISSN 0973-4562. 10 ...	2015
41.	A Novel Fuzzy Based Clustering For Multi-Label Text Categorization Shalini Vincent, Vimala Devi. K and Maruthupandi. J International Journal of Applied Engineering Research, ISSN 0973-4562 10 (2 ...	2015
42.	A Novel Multi Perspective Based Similarityfor Text Categorization and Clustering Kavipriya. M, Vimala Devi. K and Maruthupandi. J International Journal of Applied Engineering Research, ISSN 0973-4562 10 (2 ...	2015
43.	A Survey on Human Emotion Recognition Approaches, Databases and Applications" KVD Vinola. C Electronic Letters on Computer Vision and Image Analysis 14 (2), 24-44	2015

