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Name : Dr.K.Vimaladevi Designation : Associate Professor Department : School of Computer Science and Engineering Address : Vellore Institute of Technology, Vellore Mobile : 9842461744, 8248731513 E-mail : vimaladevi.k@vit.ac.in	Network Security, Machine Learning, Network Management and WSN, Cloud Computing, Big Data
Publications <ol style="list-style-type: none"> 1. M.Ponnrajakumari, K.Vimala Devi, M.Subramaniam, A novel spectrum-aware clustering algorithm based on golden ratio optimization and fuzzy clustering for cognitive radio networks, International Journal of Communication Systems, (2020) 12 pages. 2. R.Rajaguru, K.Vimala Devi, P.Marichamy, A hybrid spectrum sensing approach to select suitable spectrum band for cognitive users, Computer Networks, 180, (2020), 107387. 3. R.Ramani, K.Vimala Devi, K.Ruba Soundar, MapReduce-based big data framework using modified artificial neural network classifier for diabetic chronic disease prediction, Super Computing, 21, (2020) 11 pages. 4. C.Vinola, K.Vimala Devi, K.Valarmathi, V.Manjula, S.Muthurajkumar, Region based Facial Expression using Gradient Directions, International Journal of Innovative Technology and Exploring Engineering, 9(4), (2020), 2771-2776 5. M.Ponnrajakumari, K.Vimala Devi, M.Subramaniam, A Survey on Clustering Algorithms in Cognitive Radio Networks, Journal of Critical Reviews 7(19), (2020), 722-729. 6. S.Karthikeyan, K.Vimala Devi, K. Valarmathi, Design and Implementation of CfoTS Networks for Industrial Fault Detection and Correction Mechanism, The Journal of Supercomputing, 76, (2020), 5763–5779. 7. R.Kavitha, E.Kannan, P.Visu, K.Vimala Devi, Implementation of Vehicular Networking using OMNeTpp, International Journal of Advanced Trends in Computer Science and Engineering, 8(5), (2019) 2199-2204. 8. S.Diwakaran, B.Perumal, K.Vimala Devi, A cluster prediction model-based data collection for energy efficient wireless sensor network. The Journal of Supercomputing, 75(6), (2019), 3302-3316. 9. S.Vetha, K.Vimala Devi, A trust based hypervisor framework for preventing DDOS attacks in Cloud, Concurrency and Computation: Practice and Experience. e5279, (2019) 1-16. 10. S Diwakaran, B Perumal, K.Vimala Devi, An intelligent data aware and energy censoring scheme for wireless sensor networks. Cluster Computing, 22(2), (2019), 4213-4220. 11. C.Subhashri, J.Maruthu Pandi. K.Vimala Devi, Recovering Insufficient and Inconsistent Data using Fuzzy-Based Information Decomposition Technique, International Journal of Pure and Applied Mathematics, 119(12), (2018), 13651-13658. 12. S.Pavithra, R.Bavani, J.Uma Sawmiya, K.Vimala Devi, Congestion control mechanism using Traffic Aware Dynamic Routing (TADR) algorithm, International Journal of Engineering Research in Computer Science and Engineering, 5(3), (2018), 108-111. 13. C.Vinola, K.Vimala Devi, Smile Intensity recognition in real time videos: fuzzy system approach, Multimedia tools and applications, (2018) 20 pages. 14. R.Lalitha, K.Vimala Devi, An Effective Localization for Precision Agriculture Using 	

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