

Faculty Name	: Dr. N. Jaisankar
Designation	: Professor
Department	: Software Systems, School of Computer Science and Engineering
University	: VIT University

Publications

1. Kumar, K. S., & Jaisankar, N. (2020). An automated resource management framework for minimizing SLA violations and negotiation in collaborative cloud. *International Journal of Cognitive Computing in Engineering*, 1, 27-35.
2. Selvanambi, R., Natarajan, J., Karuppiah, M., Islam, S. H., Hassan, M. M., & Fortino, G. (2020). Lung cancer prediction using higher-order recurrent neural network based on glowworm swarm optimization. *Neural Computing and Applications*, 32(9), 4373-4386.
3. Govindaraj, P., & Natarajan, J. (2020). Trust-based fruit fly optimisation algorithm for task scheduling in a cloud environment. *International Journal of Internet Manufacturing and Services*, 7(1-2), 97-114.
4. Priya, G., & Jaisankar, N. (2019). A Fuzzy Based Trust Evaluation Model for Service Selection in Cloud Environment. *International Journal of Grid and High Performance Computing (IJGHPC)*, 11(4), 13-27.
5. Ramani Selvanambi, Jaisankar N, “ Prediction of breast cancer stage using social spider-inspired optimization algorithm”, Vol, 10, issue2, pp. 63-85, April-June 2019.
6. K.G.Manjunath, N.Jaisankar,”Effective optimization of Honda algorithm for rear end collision avoidance system with genetic algorithm”, *International Journal of Business Intelligence and Data Mining*, Vol 14, No ¼, pp.3-12, 2019. (Inderscience Publishers)
7. Roney Thomas, Priya Govindaraj, Jaisankar Natarajan, “ A fuzzy inference-based trust based model estimation system for service selection in cloud computing”, *International Journal of Information Technology and Management*, vol 18, No 2/3, pp.143-155, 2019.
8. K.G.Manjunath, N.Jaisankar, “Comparison between optimised genetic-based Honda algorithm and Honda algorithm for collision avoidance system”, *International Journal of Business Intelligence and Data Mining*, Vol 14, No ¼, pp.13-24, 2019. (Inderscience Publishers)
9. Ramani Selvanambi, Jaisankar N, “Exploration on breast cancer stage with the aid of redesigned ANN incorporated with enhanced social spider optimization algorithm”, *International Journal of Intelligent Systems Technologies and Applications*”, Vol 17, No 4, pp.397-414, 2018. (Inderscience Publishers)
10. Murali Subramanian and N.Jaisankar, “An optimal path selection in a clustered wireless sensor network environment with swarm intelligence based data aggregation for air pollution monitoring systems,” *International journal of Computer Aided engineering and Technology* (Inderscience Publishers), Vol 10 , No,4, pp. 378-403, 2018
11. H.Santhi and N.Jaisankar, “Fuzzy cost probability-based suppressed flooding multi-constrained QoS multicast routing for MANETs”, *International Journal of High performance computing and networking*, Vol 10, No 1/ 2, 2017 (Inderscience publishers)
12. K.S. Sendhil Kumar and N. Jaisankar, “Towards data centre resource scheduling via hybrid cuckoo search algorithm in multi-cloud environment”, *Int. J. Intelligent Enterprise*, Vol. 4, Nos. 1/2, pp. 21-35, pp.100-108, 2017 (Inderscience publishers)
13. Ramani Selvanambi, Jaisankar Natarajan, “Performance Evaluation of Association Rule Mining with Enhanced Apriori Algorithm Incorporated with Artificial Bee Colony

- Optimization Algorithm”, International Journal of Intelligent Engineering and Systems, Vol 10, No 2, pp. 58-67, 2017
14. Ramani Selvanambi, Jaisankar Natarajan, “Cyclic Repeated Patterns in Sequential Pattern Mining Based on the Fuzzy CMeans Clustering and Association Rule Mining Technique”, International Journal of Intelligent Engineering and Systems, Vol 10, No 1, pp. 176-185, 2017
 15. Priya Govindaraj* and N Jaisankar, “A Review on Various Trust Models in Cloud Environmen”, Vol 10, No 2, pp. 213-219, 2017.
 16. P.Gayathri and N.Jaisankar, “A Study on Some Tasks, Corpus and Resources of Medical Information Retrieval”, Indian Journal of Science and Technology, vol 9, no 25, pp.1-8, 2016.
 17. H.Santhi and N. Jaisankar, “Improved Associativity Based Routing for Multi Hop Networks Using TABU Initialized Genetic Algorithm”, nternational Journal of Applied Engineering Research, Vol 11, no7, pp.4830-4837, 2016.
 18. G.Priya and N.Jaisankar, ”A reputation based trustworthy system for cloud environment”, International journal of pharmacy and technology, vol 8, no 3, pp.16702-16708, 2016.
 19. KS Sendhil Kumar , N Jaisankar, “Optimized Balanced Scheduling of Two Phase Top Down Specialization for Diabetes Patients using Map Reduce”, Research Journal of Pharmaceutical, Biological and Chemical Sciences, Vol 7, No2, p. 205-212, 2016,
 20. H.Santhi and N.Jaisankar, “A study on congestion imperatives challenges in mobile ad hoc networks”, International Journal of Pharmacy and Technology, Vol 8, No 3, pp.4801-4814.,2016
 21. Achyut Shankar and Jaisankar Natarajan, “ Base station positioning in wireless sensor network to aid cluster head selection process”, International Journal of Intelligent Engineering and Systems, Vol 10, No2, pp. 173-182, 2016.
 22. K.S.Sendthilkunar and N.Jaisankar, “A survey on resource provisioning models for collaborative cloud computing environment”, IJCTA, Vol 9, No 36, pp.427-435, 2016.
 23. Pooja, Pema and N.Jaisankar, “A Survey on Different WSN Transport Layer Protocols for Congestion Control and Reliability”, International Journal of Engineering and Technical Research (IJETR), vol 5, no 1, pp.151-154, 2016.
 24. S.Murali and N.Jaisankar, “A Clustered wireless sensor network based air pollution monitoring system with swarm intelligence based data aggregation”, Jurnal Teknologi, Vol 78, No 7, pp.23-33, 2016.
 25. Achyut Shankar and N.Jaisankar, “ Energy efficient clustering mechanism for virtual MIMO communication in wireless sensor networks, International Journal of Applied Engineering Research, Vol 10, No.18, pp.39562-39569, 2015.
 26. .Murali and N.Jaisankar, “A comparative study of Air pollution monitoring system in wireless sensor networks, International Journal of Applied Engineering Research, Vol 10, No 9, pp.22545-22562, 2015.
 27. P. Gayathri and N. Jaisankar, “Automatic annotation generation of medical documents for effective medical information retrieval”, International Journal of Reasoning-based Intelligent Systems, Vol. 7, Nos. 3/4, 2015, [Inderscience Publishers, Scopus indexed]
 28. Manjunath.K.G, and N.Jaisankar, “Simulink implementation of IEEE802.11p for rear end collision avoidance system, International Journal of Convergence Computing, Vol 1, No.3/ 4, pp. 232-243, 2015.
 29. Gayathri, P., N. Jaisankar, “Towards an Efficient Approach for Automatic Medical Document Summarization”, Cybernetics and Information Technologies, Volume 15, No 4, pp.78-91, 2015 [Scopus indexed]
 30. P. Gayathri and N. Jaisankar, “ Medical Data Mining Applications and its Uses”, International Journal of Engineering Technology Science and Research IJETSR, Volume 2 Issue 6, pp.8-14, June 2015.
 31. H.Santhi and N.Jaisankar, “Multipath On-Demand Routing for Large Scale Multi-Hop

- Networks,” International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 12, pp. 30801-30817, 2015.
32. H.Santhi, N. Jaisankar, “ Exhaustive Analysis of Multicast Routing Protocols used in Multi Hop Mobile Ad Hoc Networks “, International Journal for Scientific Research & Development| Vol. 3, Issue 03, pp.1176-1182, 2015.
 33. Manjunath K.G., N.Jaisankar, “Optimization of Honda Algorithm for Rear End Collision Avoidance System with Particle Swarm Optimization”, International Journal of Applied Engineering Research, Vol. 10, No.18, 2015, pp.39048-39052.
 34. H.Santhi, N.Jaisankar, “ Windowed decoding in user oriented FEC for wireless sensor networks using matched filter receiver”, International Journal of Trend in research and development, Vol 2, No 5, pp. 297-302, 2015.
 35. H. Santhi, Gayathri. P, N. Jaisankar, “A Novel Approach to Reduce Active Attacks in MANET Using Extended Dempster Shafer Theory”, International Journal of Advanced Engineering, Management and Science (IJAEMS), Vol-1, Issue-2, pp.104-115, May- 2015.
 36. H.Santhi, N.Jaisankar, “Randomized Multi-path routing [RMR] for secure data exchange in wireless ad hoc networks”, International Journal of Trend in research and development, Vol 2, No 5, pp. 221-224, 2015.
 37. Gayathri. P, H.Santhi, N. Jaisankar, “A novel approach for detecting the damaged tissues in MRI image using neuro fuzzy system”, Journal of Computer science and Engineering research, Vol 2, No 1, pp.1-7, 2015.
 38. Gayathri. P, N. Jaisankar, Ankur Jain, “Multi - Document Summarization Using Cluster Model Incorporating Building Dictionary Method”, International Journal of Applied Engineering Research, Volume 10, Number 12, pp. 32285-32295, 2015.
 39. Gayathri. P, H. Santhi,, N. Jaisankar, “A Novel Approach To Trace Shortest Path In Air Force Using Dijkstra’s Algorithm”, Journal of Current Computer Science and Technology, Volume 5, No. 8, ,pp. 1-8, August , 2015.
 40. Subarnarekha Ghosal, Shalini Chaturvedi, Akshay Taywade and N. Jaisankar, “Android Application for Ticket Booking and Ticket Checking in Suburban Railways”, Indian Journal of Science and Technology, Vol 8(S2), 171–178, pp.71-78, January 2015.
 41. T. Amith Kumar, G. Priya, Dr.N.Jaisankar, “Trustworthy Resource Sharing on Collaborative Cloud Computing”. (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 6 (3), pp.2827-2830, 2015.
 42. Prashant Kumar, Priya G,,Jaisankar N, “Three Step Security Implementation for Data Migration in Hybrid Cloud”, International Journal for Scientific Research & Development, Vol. 3, Issue 03, pp.3482-3484, 2015.
 43. Sendthil kumar K.S., Siva Shanmugam G, Jaisankar N, Rayavel P, “Inviolable Armament Surveillance system using IoT for Home safety”, International conference on Advanced Engineering, Science and Management and Technology(ICAESMT19), pp.1-10, 2019.
 44. Achyut Shankar and N.Jaisankar, “ A novel energy efficient clustering mechanism in wireless sensor network”, 12th International Multi-Conference on Information Processing(IMCIP-2016), pp.134-141, 2016 [published in sciencedirect.com]
 45. K.S.Sendthil kumar, N.Jaisankar, “ Multi-criteria based ranking framework for measuring performance of cloud service providers”, Soft computing and signal processing, Advances in Intelligent systems and computing, pp. 419-427, 2019.(Springer)
 46. N. Sujith Kumar Reddy, H. Santhi, P. Gayathri, N. Jaisankar, “A New CPU Scheduling Algorithm Using Round-robin and Mean of the Processes”, pp.25-34, 2018. .(Springer)