Dr.N.Jaisankar is Professor(Higher Academic Grade) in the School of Computer Science and Engineering at Vellore Institute of Technology, Vellore, India. Also he was program head for MTech(CSE) programme and division head for Computer Network division. He received his BE (Computer Science and Engineering) from Bharathiar University, M.E. (Computer Science and Engineering) from M.K.University and Ph.D (Computer Science and Engineering) from VIT University. He has 25+ years of experience in teaching and research. He received certification for CCNA Instructor and SUN certified JAVA instructor. He has reviewed many books titled Network Security, Data Mining, TCP/IP protocol suite and Programming in JAVA. He has participated as a coach in the International Programming Contest held at IIT, Kanpur, India. He has published many papers in International and National Journals and conferences on Network Security, Computer Networks and Data Mining. His research interest includes Computer Networks, AI and machine learning, Network Security, cloud computing, Data Mining. He has served in many peer reviewed International Journals as an editorial board member, Guest handling editor, advisory board member and reviewer etc. Also he has served in many international conferences as General chair, International advisory board member, technical program committee member, publication chair, organising committee member, reviewer etc. He has worked in Neusoft Institute, Guangdong, China. He is a life member of Indian Society for Technical Education, Computer Society of India, International Association of Computer Science and Information Technology, International Society for Research in Science and Technology and member of International Association of Engineers.

Publications:

1. A.Helan Sharmila, N.Jaisankar, "E-MHMS-Enhanced MAC-based secure delay aware healthcare monitoring system in WBAN", Cluster Computing,**(Springer)-May 2020**
2. Priya Govindaraj, Jaisankar Natarajan, "Trust-based fruit fly optimization algorithm for task scheduling in cloud environment", Vol 7, No ½, pp.97-114,2020. **(Inderscience Publishers)**
3. Ramani Selvanambi, Jaisankar N, " Prediction of breast cancer stage using social spider-inspired optimization algorithm", Vol, 10, issue2, pp. 63-85, April-June 2019.
4. 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)**
5. 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.
6. 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)**
7. 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)**
8. 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

9. 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)**

10. 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)**

11. 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

12. 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

13. Priya Govindaraj*and N Jaisankar, "A Review on Various Trust Models in Cloud Environmen", Vol 10, No 2, pp. 213-219, 2017.

14. 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.

15. 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.

16. 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.

17. 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,

18. 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

19. 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.

20. 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.

21. 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.

22. 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.

23. 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.

24. S.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.

25. 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]

26. 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.

27. 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]

28. 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.

29. 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.

30. 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.

31. 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.

32. V. Ashwin Kumar Sarma , Rahul Rajendra, P. Dheepan and K.S. Sendhil Kumar, "An Optimal Ant Colony Algorithm for Efficient VM Placement", Indian Journal of Science and Technology, Vol 8(S2), 156–159, pp.157-159, January 2015.

33. 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.

34. 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.

35. 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.

36. 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.

37. 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.

38. 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.

39. 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.

40. 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.

41. 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.

42. H.Santhi and N.Jaisankar, " Towards an effective QoS on demand multicast routing protocol for Multi-Channel Multi Interface WSNs", International Journal of Business Data Communications and Networking, Vol 10, No 4, pp. 1-20, 2014.

43. Shruti Gupta, Salunke Avinash Nimba, Jaishankar N., "Clustering of Semantic Web to Develop Mashup of Web Services", International Journal for Scientific Research & Development| Vol. 2, Issue 07, pp. 2321-0613, 2014.

44. Vignesh V, Sendhil Kumar KS, Jaisankar N, "Resource management and scheduling in cloud environment", International Journal of Scientific and Research Publications, Volume 3, Issue 6, pp.1-6, June 2013

45. Mayank Singh Rana, Sendhil Kumar KS, Jaisankar N, "Comparison of Probabilistic Optimization Algorithms for Resource Scheduling in Cloud Computing Environment", International Journal of Engineering and Technology (IJET), Vol 5 No 2, pp.1419-1427, Apr-May 2013.

46. Manjunath KG, N. Jaisankar, "A Survey on Rear End Collision Avoidance System for Automobiles", International Journal of Engineering and Technology (IJET), Vol 5 No 2, pp.1368-1372, Apr-May 2013.

47. C. Manoj, K. Ashwin Kumar, K. Ashwin Kumar, N. Jaisankar, "Content Centric Networking Technique using Private Networks: An Advantage Over Internet Protocol", The International Journal of Computer Science & Applications (TIJCSA), Volume 2, No. 05, pp.1-9, July 2013.

48. Ramya.G, Priya. G, Jaisankar. N, "An Application for Preserving Privacy of data in Cloud Computing", International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Issue 5, pp.1364-1368, May 2013,.

49. Persi Pamela, Gayathri. P and N. Jaisankar, "A Fuzzy Optimization Technique for thePrediction of Coronary Heart Disease Using Decision Tree", International Journal of Engineering and Technology (IJET), Vol 5 No 3 , pp. Jun-Jul 2013.

50. S.Murali, N.Jaisankar, "Integrated Development Environment for Rover", International Journal of engineering and Technology, Vol 5, No.2, pp. 1207-1213. Apr-May 2013,

51. Aishwarya. R , Gayathri. P 2 and N. Jaisankar 3, "A Method for Classification Using Machine Learning Technique for Diabetes", International Journal of Engineering and Technology (IJET), Vol 5 No 3, pp. 2903- 2908, Jun-Jul 2013.

52. Gayathri. Pand N. Jaisankar, "Comprehensive Study of Heart Disease Diagnosis Using Data Mining and Soft Computing Techniques", International Journal of Engineering and Technology (IJET) ISSN :, Vol 5 No 3 , pp. 2947- 2958, Jun-Jul 2013.

53. Manjunath KG, N.Jaisankar, Shreedevi KG, " An Intelligent Intrusion Detection for detecting Unauthorized Malware over the Network", International Journal of Engineering Technology, Vol 5, No 2, Apr-May 2013, pp. 1373-1380.

54. Ab Rouf Khan, Fenil Gandhi, Naman Pathak, N. Jaisankar, "Data Mining of Gene expression Data Using Parallel Approach", International Journal of Emerging Trends in Engineering and Development", Vol.6, Issue 3, November 2013, pp.26-34.

55. Pavan Pichka, H.Santhi, N.Jaisankar, Devi Priya.S, "A Comprehensive Study of Existing Multicast Routing Protocols Used In Mobile Ad Hoc Networks", International Journal of Engineering Science and Technology (IJEST), Vol. 4 No.05, pp.2058-2071, May 2012.

56. Pavan Pichka, H.Santhi, N.Jaisankar. "A Comprehensive Study of Existing Mesh-based Multicast Routing Protocols Used In Mobile Ad Hoc Networks". International Journal of Computer Applications (0975 – 8887) Volume 45– No.9, pp.39-42, May 2012.

57. A.Sudha, P.Gayathri, N.Jaisankar, " Effective Analysis and Predictive Model of Stroke Disease using Classification Methods", International Journal of Computer Applications (0975 – 8887) Volume 43– No.14, pp.26-31, April 2012.

58. Nebu Varghese, Vinay Verghese, Prof. Gayathri. P and N. Jaisankar, "A Survey Of Dimensionality Reduction And Classification Methods", International Journal of Computer Science & Engineering Survey (IJCSES) Vol.3, No.3, June 2012

59. P.N.V.Pavan, H. Santhi, N. Jaisankar, "A Survey on M-Learning", International Journal of Computer Applications (0975 – 888) Volume 48– No.3, pp.17-21, June 2012.

60. A.Sudha, P.Gayathri, N.Jaisankar, "Utilization of Data mining Approaches for Prediction of Life Threatening Diseases Survivability", International Journal of Computer Applications (0975 – 8887) Volume 41– No.17, March 2012.

61. Nebu Varghese , Vinay Verghese , Prof. Gayathri .P and Dr. N. Jaisankar, "An Efficient Mechanism to Compare Prominent Dimensionality Reduction Algorithms on a Microarray Dataset", International Journal of Advances in Science and Technology, Vol. 4, No.6, 2012

62. N.Jaisankar, "An Efficient Technique for Detection of Suspicious Malicious Web Site", Journal of Advances in Information Technology, Special Issue: Current Trends & Application in Web 2.0, Volume 2, Number 4, pp.217-221, November 2011.(Academy Publisher)

63. G.Priya, N.Jaisankar and M.Venkatesan, "Mining Co-Location Patterns From Spatial Data Using Rulebased Approach", Journal of Global Research in Computer Science, Volume 2, No. 7, pp.58-61, , July 2011.

64. Mr.K.S.Sendhil Kumar and Dr. N.Jaisankar, "An Efficient Mining of Frequent Itemsets", International Journal of Advances in Science and Technology, Vol. 2, No.4, pp.8-17, 2011,

65. N.Jaisankar, "Performance comparison of face and fingerprint biometrics for Person Identification", Science Academy Transactions on Computer and Communication Networks, Vol. 1, No. 1, , pp.16-20, March 2011, Science Academy Publisher, United Kingdom.

66. S. Murali N. Jaisankar, "An Efficient Video broadcasting on Mobile Environment", Science Academy Transactions on Computer and Communication Networks, Vol. 1, No. 1, , pp.16-20, March 2011, Science Academy Publisher, United Kingdom.

67. N.Jaisankar, R.Saravanan, "Enhanced Two-Way Directional Routing for MANETs", International Journal of Advanced Research in Computer Science, Vol 1, No.4, pp.14-19, Nov-Dec 2010.

68. N.Jaisankar, R.Saravanan, "An efficient layered security framework for protecting network layer operations in mobile ad hoc networks", International Journal of Communication Networks and Distributed Systems Vol. 5, No. 3, pp. 295- 307, September, 2010. **(Inderscience publishers Ltd)**

69. N.Jaisankar, R.Saravanan, "A review on security issues in mobile ad-hoc networks", International Journal of Computational Intelligence and Information Security, (IJCIIS), Vol. 1, No. 3, pp. 101-109, May 2010.
70. N.Jaisankar, R.Saravanan, "A mechanism for detection of denial of service attacks in mobile adhoc networks", International Journal of Research and Reviews in Computer Science (IJRRCS), Vol 1, No.3 , pp. 14-19. September 2010.
71. N.Jaisankar, R.Saravanan, "An extended AODV protocol for multipath routing in MANETs", International Journal of Engineering and Technology (IJET), Vol. 2, No. 4, pp. 394-400, August 2010.
72. N.Jaisankar, R.Saravanan, "Enhanced Two-Way Directional Routing for MANETs", International Journal of Advanced Research in Computer Science(IJARCS), Vol 1, No.4, pp.14-19.November 2010.

International Conferences:

1. 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.

2. 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]

3. Krunal Patel, Sendthilkumar. K.S., Navneeth Singh, Kushang Parikh, N.Jaisankar, " Data Security and Privacy using partition and centric key management in Cloud", ICICES2014, S.A.Engineering College, Chennai. Tamilnadu, India, pp. 6-14, 2014.

4. N.Jaisankar, R.Saravanan, "A novel security approach for detecting black hole attack in MANETs", Springer-LNCS-CCIS-Information Processing and Management, Volume 70, pp.209-216, 2010.
5. N.Jaisankar, R.Saravanan, "A novel multipath routing scheme in Mobile Adhoc Networks", Springer-LNCS-CCIS-Information Processing and Management, Volume 70, pp.217-223, 2010.
6. N.Jaisankar, R.Saravanan, "Intelligent intrusion detection framework using mobile agents", International Journal of Network Security & its Applications, Vol 1, No2, pp. 72-88, July 2009.
7. N.Jaisankar, R.Saravanan, "Soft computing techniques in intrusion detection" , IEEE International Conference on Signal Processing, Communications and Networking, (ICSCN 2008) Organized by Department of Electronics Engineering, Madras Institute of Technology, and Anna University in association with AU-KBC Research Centre on Jan 4-6, 2008.
8. N.Jaisankar, "A Network Intrusion Detection Framework using Mobile Agents" in International Conference on "Reliability and Safety Engineering", Indian Institute of Technology, Kharagpur from December 21-23, 2005

9. N.Jaisankar, "Mobile Agent based Fault Tolerant Decentralized Intrusion Detection System to detect User Anomalies" in International Conference on "Information Security", Pondichery Engineering College, Pondichery from December 7-9, 2005.
10. N.Jaisankar, "A role of Media Convergence in Education Sector", CSI Communications, Vol.29, No.4, October 2005.
11. N.Jaisankar, "A survey of Applications of neural networks to Intrusion detection" at KAGADA-2004 conducted by IEEE chapter, Honeywell and UVCE, Bangalore on 23rd November 2004
12. N.Jaisankar, "Design and Implementation of Mobile Agents Architecture" conducted by National Conference on Innovations and Communication Technology (NCIIT-2003) at PSG college of Technology, Coimbatore from March 7-8, 2003.
13. N.Jaisankar, "Image Steganography for hidden communications" at National Conference VIROHA-2002 conducted by ECE department, VIT, December 12-14, 2002.

Book Chapter:

1. **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)**
2. 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)**