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Date of Joining in NITT: 03-05-2007

Publication in International Journals: 15 papers

Publication in International Conferences: 16 papers

No. of Ph.D. scholars guided at NITT: 3 Scholars

No. of M. Tech scholars guided at NITT: 20 Scholars

No. of M.S (By Research) scholars guided at NITT: 3 Scholars

Publications in International Journals: 15

1. E. Sivasankar, R.S. Rajesh and S.R. Venkateswaran, "Diagnosing Appendicitis Using Backpropagation Neural Network and Bayesian Based Classifier," International Journal of Computer Theory and Engineering, Vol.1 No.4, pages: 358-363, 2009.
2. E. Sivasankar, R.S. Rajesh and S.R. Venkateswaran, "Implementation of Support vector machines for Classification of Clinical Datasets," International Journal of Information Acquisition, World Scientific Publishing Company, Vol. 7, Issue: 4(2010), pages: 347-356, December 2010.
3. E. Sivasankar and R.S. Rajesh, "Feature Selection using Genetic Algorithm for Classification of Clinical data," CiiT International Journal of Data Mining and Knowledge Engineering, August 2011.
4. E. Sivasankar, R.S. Rajesh and S.R. Venkateswaran, "Appendicitis diagnosis system using fuzzy logic- and neural network-based classifier," International Journal of Medical Engineering and Informatics, Inderscience Enterprises Ltd, Vol. 3, pp. 337 – 350, December 2011.
5. E. Sivasankar, H. Sridhar, V. Balakrishnan, K. Ashwin, R. S. Rajesh: Comparison of Dimensionality Reduction Techniques Using a Backpropagation Neural Network Based Classifier., International Journal of Information Acquisition, World Scientific Publishing Company, Vol. 8(2), pages: 161-169 ,2011.
6. Siva Brahmasani, Subramanian Selvakumar, E. Sivasankar, "Prevention of XSS attacks using STCD: server side tagging and client side differentiation", ACM SIGSOFT Software Engineering Notes 37(6): 1-9 2012.
7. Siva Brahmasani, E. Sivasankar, , "Two level verification for detection of DNS rebinding attacks", Springer International Journal of Systems Assurance Engineering and Management 4(2): 138-145 ,2013

8. E. Sivasankar, Vijaya,” A Study of Feature Selection techniques for Predicting Customer Retention in Telecommunication Sector”, International Journal of Business Information Systems, Available Online,2017.
9. B. Nithya ,C. Mala and E. Sivasankar, “Channel Status based Sliding Contention Window (CS-SCW) algorithm: A Fuzzy Control Approach for Medium Access in Wireless Networks" Springer Soft Computing, Volume 21, Issue 8, pp 1991–2004, April 2017.
10. E. Sivasankar, C. Selvi , ” A Novel Optimization Algorithm for Recommender System using Modified Fuzzy C-Means Clustering Approach”, Springer Soft Computing, Available Online,2017
11. Vijaya, E. Sivasankar,” An efficient system for customer churn prediction through particle swarm optimization based feature selection model with simulated annealing”, International Journal of Business Information Systems, Available Online,2017.
12. C. Selvi and E. Sivasankar. (2018),” A novel similarity measure towards effective recommendation using Matusita coefficient for Collaborative Filtering in a sparse dataset”, Sadhana, 2018.
13. C. Selvi and E. Sivasankar, “ A novel Adaptive Genetic Neural Network (AGNN) model for recommender systems using modified k-means clustering approach”, Multimedia Tools and Applications, 2018.
14. E. Sivasankar and J. Vijaya , “Hybrid PPFCM-ANN model: an efficient system for customer churn prediction through probabilistic possibilistic fuzzy clustering and artificial neural network”, Neural Computing and Applications , 2018.
15. E. Sivasankar and J. Vijaya , “Computing efficient features using rough set theory combined with ensemble classification techniques to improve the customer churn prediction in telecommunication sector”, Computing, 2018

Publications in International Conferences: 16

1. E. Sivasankar, and Rajesh, R.S,” Knowledge discovery in medical datasets using a Fuzzy Logic rule based classifier”, Electronic Computer Technology (ICECT) IEEE Conference Publications, pp. 208 – 213, 7-10 May 2010.
2. E. Sivasankar, and R.S. Rajesh, “Design and Development of a Clinical Decision Support System for diagnosing appendicitis”, IEEE Computing, Communications and Applications Conference (ComComAp), 2012.
3. M. Sridevi, C. Mala, and E. Sivasankar, "Optimized Multilevel Threshold Selection Using Evolutionary Computing" 2014 IEEE International Conference on Network-Based Information Systems, pp. 149 – 256, May 2014.
4. P. Vignesh Raja and E. Sivasankar, "Modern Framework for Distributed Healthcare Data Analytics Based on Hadoop", Information and Communication Technology - EurAsia Conference, ICT-EurAsia: Springer Information and Communication Technology pp 348-355, 2014.
5. V. Srikrishnan, E. Sivasankar and R. Pitchiah, "A log data analytics based scheduling in open source cloud software "IEEE International Conference on Parallel, Distributed and Grid Computing, pp 390- 395, Dec. 2014.
6. A V Ramya, and E. Sivasankar, “Distributed pattern matching and document analysis in big data using Hadoop Map Reduce model" IEEE International Conference on Parallel, Distributed and Grid Computing, pp 312- 317, Dec. 2014.
7. P. Vignesh Raja and E. Sivasankar, R. Pitchiah, "Framework for Smart Health: Toward Connected Data from Big Data”, Intelligent Computing and Applications, Springer Advances in Intelligent Systems and Computing book series (AISC, volume 343) pp 423-433, Feb 2015.

8. V. Srikrishnan, E. Sivasankar and R. Pitchiah, "A performance comparison of scheduling distributed mining in cloud," 2014 IEEE First International Conference on Networks & Soft Computing (ICNSC), 2014.
9. B. Nithya, C. Mala, and E. Sivasankar, "A Novel Cross Layer Approach to Enhance QoS Performance in Multihop Adhoc Networks," in Network-Based Information Systems (NBIS), 17th International Conference on Sept 2014, pp. 229–236.
10. S. Mahalakshmi, and E. Sivasankar, "Cross Domain Sentiment Analysis Using Different Machine Learning Techniques", Springer Advances in Intelligent Systems and Computing book series (AISC, volume 415), Nov 2015.
11. C. Selvi, Chakshu Ahuja and E. Sivasankar, "A Comparative Study of Feature Selection and Machine Learning Methods for Sentiment Classification on Movie Data Set", Springer Advances in Intelligent Systems and Computing book series (AISC, volume 343), Feb 2015.
12. Krishna kumari and E. Sivasankar, "Scalable Aspect-Based Summarization in the Hadoop Environment", Springer Advances in Intelligent Systems and Computing book series (AISC, volume 654), Big Data Analytics, Proceedings of CSI 2015.

13. Vijaya.J, Sivasankar.E, “Improved churn prediction based on Supervised and Unsupervised hybrid data mining system”, International Conference on ICT for Sustainable Development, 2016.
14. Chakshu Ahuja, E Sivasankar,”Cross Domain Sentiment Analysis using different Feature Selection and Classification Techniques”, International Conference on ICT for Sustainable development, 2016.
15. . E. Sivasankar and J. Vijaya, “Customer Segmentation by Various Clustering Approaches and Building an Effective Hybrid Learning System on Churn Prediction Dataset", Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 556), May 2016.
16. E. Sivasankar, Selvi and C. Mala, "A Study of Dimensionality Reduction Techniques with Machine Learning Methods for Credit Risk Prediction”, Springer Advances in Intelligent Systems and Computing book series (AISC, volume 556), Computational Intelligence in Data Mining pp 65-76,2016

Workshops organized: 2

1. Coordinator for the Two-Week ISTE workshop on Database Management Systems conducted by Indian Institute of Technology, Bombay under MHRD of worth Rs. 1.5 Lakhs from 21st to 31st May, 2013.
2. Coordinator for TEQIP Sponsored One Week Workshop on Data Analytics concepts and Techniques for Business Intelligence at NIT Tiruchirappalli of worth Rs. 1.75 Lakhs during 8th to 13th August, 2016.