



Department of Information Technology

List of Journal publications and Conference presentations (2017-18)



International Journal

1. **L. Sherly Pushpa Annabel**, K. Murugan, "An Asynchronous and Adaptive Quorum based MAC Protocol for Wireless Sensor networks", Journal of Information Science and Engineering, Vol. 33, pp. 1307-1322, Aug 2017. (Print ISSN: 1016-2364, DOI: 10.6688/JISE.2017.33.5.12, Impact Factor: 0.468, UGC: 30185)
2. **L. Javid Ali**, G. S. Anandhamala, "Actor-oriented approach for fault tolerance in e-commerce events", Cluster Computing, The Journal of Networks, Software Tools and Applications, Springer, June 2017. (Print ISSN: 1386-7857 E-ISSN: 1573-7543, doi. 10.1007/s10586-017-1005-2, Impact Factor: 2.04, UGC: 16014)
3. **L. Javid Ali**, G. S. Anandhamala, "An Efficient Fuzzy Based Fault Classification With Fault Tolerance Level in Online Transaction Management", International Journal of Pure and Applied Mathematics, Vol. 117, No. 16, pp. 307-321, 2017. (Print ISSN: 1311-8080, E-ISSN: 1314-3395, SJR Impact Factor: 0.14, UGC: 23425)
4. **M. Anbu**, S. Anandhamala, "Feature Selection using Firefly Algorithm in Software Defect Prediction", Cluster Computing, The Journal of Networks, Software Tools and Applications, Springer, Oct 2017. (Print ISSN: 1386-7857 E-ISSN: 1573-7543, doi 10.1007/s10586-017-1235-3, Impact Factor: 2.04, UGC: 16014)
5. **S. Sumathi**, J. Manju, "Optimized Cluster based geographic adaptive fidelity routing protocol for WSN", Perspectivas em Ciencia da Informacao, Vol. 22, No.4, pp. 80-91, Dec. 2017. (Print ISSN: 14139936, SJR Impact Factor: 0.2, UGC: 26607)
6. **S. Sumathi**, Michael Jeffrey Josanne, "Speech synthesized auto correction based on Markov chaining with acoustic modeling", Perspectivas em Ciencia da Informacao, Vol. 22, No. 4, pp. 91-104, Dec. 2017. (Print ISSN: 14139936, SJR Impact Factor: 0.2, UGC: 26607)
7. **M. K. Kirubakaran**, N. Sankararam, "IW-MAC: a invite and wait MAC protocol for power efficient wireless sensor networks", Journal of Ambient Intelligence and Humanized Computing, Dec 2017. (Print ISSN: 1868-5137, E-ISSN: 1868-5145, <https://doi.org/10.1007/s12652-017-0662-6>, Impact Factor: 1.423, UGC: 26400)
8. **S. Duraimurugan**, P. Jesu Jayarian, "Maximizing quality of multimedia streaming services in heterogeneous wireless networks using optimal multi-server technique", Cluster Computing, Springer, pp.1-13, Feb 2018. (Print ISSN: 1386-7857, E-ISSN: 1573-7543, <http://doi.org/10.1007/s10586-018-1797-8>, Impact Factor: 2.04, UGC: 16014)
9. **C. J. Raman**, Visumathi James, "FCC: Fast Congestion Control Scheme for wireless sensor Networks using Hybrid Optimal Routing Algorithm", Cluster Computing, Springer, pp.1-11, Jan 2018. (Print ISSN: 1386-7857 E-ISSN: 1573-7543, <http://doi.org/10.1007/s10586-018-1744-8>, Impact Factor: 2.04, UGC: 16014)
10. **R. Joseph Manoj**, M. D. Anto Praveena, K. Vijayakumar, "An ACO-ANN based feature selection algorithm for big data", Cluster Computing, Springer, pp. 1-8, Mar 2018. ((Print ISSN: 1386-7857, E-ISSN: 1573-7543, doi.org/10.1007/s10586-018-2550-z, Impact Factor: 2.04, UGC: 16014)
11. C. Thejeswini, **C. J. Raman**, "An Effective Audio on Demand Securing through Localizability aided Localization over Wireless Sensor Network", International Journal of

- Pure and Applied Mathematics, Vol.118, No.20, pp. 5021-5029, May 2018. . (Print ISSN: ISSN 1311-8080, E-ISSN: 1314-3395, SJR Impact Factor: 0.14, UGC: 23425).
12. **K. Pradeep**, T. Prem Jacob, "CGSA scheduler: A multi-objective-based hybrid approach for task scheduling in cloud environment", Information Security Journal: A Global Perspective, Vol. 27, No. 2, pp.77-91, Nov 2017. (Print ISSN: 1939-3555,E-ISSN:1939-3547,SJR Impact Factor:0.19, <https://doi.org/10.1080/19393555.2017.1407848>, UGC: 21131)
 13. **K. Pradeep**, T. Prem Jacob, "A Hybrid Approach for Task Scheduling Using the Cuckoo and Harmony Search in Cloud Computing Environment", Wireless Personal Communications, Vol. 101, No. 4, pp. 2287-2311, May 2018.(Print ISSN: 0929-6212,E-ISSN:1572-834X, [//doi.org/10.1007/s11277-018-5816-0](https://doi.org/10.1007/s11277-018-5816-0), Impact Factor: 1.2, UGC: 33023)
 14. **N. Gobalakrishnan**, C. Arun, "A New Multi-Objective Optimal Programming Model for Task Scheduling using Genetic Gray Wolf Optimization in Cloud Computing", Section B: Computer And Communications Networks And Systems The Computer Journal, Vol. 61, No. 10, pp. 1523–1536 March 2018. (Print ISSN: 00104620, E-ISSN: 14602067, SJR Impact Factor: 0.32, doi.org/10.1093/comjnl/bxy009)

International Conference

1. **C. J. Raman**, Visumathi James, "Comparative Analysis of Delay Minimizing and Energy Conserving Algorithms in Wireless Sensor Network", 2nd International Conference on Trends in Electronics and Informatics, pp. 808 – 812, August 2017. (Electronic ISBN: 978-1-5386-3570-4, DVD ISBN: 978-1-5386-3569-8, Print on Demand (PoD) ISBN: 978-1-5386-3571-1, DOI: 10.1109/ICOEI.2018.8553705)
2. **S. Duraimurugan**, P. Jesu Jayarin, "Analysis and Study of Multimedia Streaming and Congestion Evading Algorithms in Heterogeneous Network Environment", pp. 1248 - 1252, 2018 Second International Conference on Intelligent Computing and Control Systems (ICICCS) August 2017. (Electronic ISBN: 978-1-5386-2842-3, DVD ISBN: 978-1-5386-2841-6, Print on Demand(PoD) ISBN: 978-1-5386-2843-0, DOI: 10.1109/ICCONS.2018.8663163)
3. **M. Esther Hannah**, "A Hybrid Classification based Summarization Model Using Multiple Linear Regression", I International Conference on Recent Advances and Applications in Computer Engineering, Nov 2017.
4. **J. Threasa Jennifer**, "Precision Agriculture System using Wireless Sensor Networks: A Study", International Conference on Emerging trends in Multidisciplinary research, Singapore, Dec 2017.
5. **K. Suresh**, U. Sakthi, "Robust Multi-thresholding in Noisy Grayscale Images Using Otsu's Function and Harmony Search Optimization Algorithm", Lecture Notes in Electrical Engineering book series, Springer, Vol. 443, pp. 491-499, Oct 2017. (Print ISBN:978-981-10-4764-0, Online ISBN: 978-981-10-4765-7, DOI: https://doi.org/10.1007/978-981-10-4765-7_52)
6. A. H. Nasreen Fathima, **R. Joseph Manoj**, "Frequent Pattern Mining Techniques for Big data: A Literature Review", IEEE International Conference on Electrical, Computers, Communication, Mechanical and Computing, Feb 2018. (ISBN: 978-1-5386-4304-4)
7. **Lilly Raamesh**, "A Hybrid Memetic Framework for Effective Coverage Based Test Case Optimization", I International Conference on Recent Advances and Applications in Computer Engineering, Jaipur, Nov 2017.
8. M. Anish, **C.Heltin Genitha**, "Facial Anti-spoofing Analysis-A Literature Survey", Proceedings of International Conference on Computing, Communication and Drastic Innovations in Energy Thrive, 28th February, Panruti, India 2018.
9. **M. Esther Hannah**, S. Nisha Nancy, Nisha Varghese, Pragathi, Nivedaa, "A Machine Learning based Approach towards Sentiment Analysis of Twitter Data", International Conference on Advanced Computing and Big Data Analytics, Mar 2018.

10. S. Martina Valogia, **N. Gobalakrishnan**, “Medical Informatics for detecting the risk of patient getting a heart attack”, International Conference on Informatics Computing in Engineering System, Mar 2018. (ISBN: 978-1-5386-2591-0/18)
11. M. Sam Navin, **K. Pradeep**, “A Study on Ant Colony Optimization for Load Balancing and Scheduling Problems in Cloud Computing”, 2018 International Conference on Informatics Computing in Engineering Systems (ICICES), 2018. (ISBN: 978-1-5386-2591-0/18)
12. **R. Deepa**, J.Shwetha, “Combined Approach of Index based and Improved Palyfair Cipher for Secured Data transmission”, International Conference on Innovation in Science and Engineering Research, Vol. 2, No. 1, pp. 8-16, ISSN: 2456-8619, March 2018.
13. **R. Deepa**, S. Vigneshwari, Harold V Prabhu, “A Survey of Ontology Management based on Semantic Technologies in Big Data Analytics”, Journal of Innovation Science and Engineering Research, Vol. 2, No. 1, pp. 153-161, ISSN: 2456-8619, March 2018. International Conference on Innovation in Science and Engineering Research, Vol. 2, No. 1, pp. 153-161, ISSN: 2456-8619, March 2018.
14. **K. Priyadharshini**, R. Aroul Canessane, Shivani Dhanasamy, “A Survey of big Data Analysis: Security Issues”, International Conference on Innovation in Science and Engineering Research, Vol. 2, No. 1, pp. 145-152, ISSN: 2456-8619, March 2018.





