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Journal Publications

1. Lavanya S., Mythili K., Kannimuthu S., "An Integration of Big Data Analytics and Cyber Security-A Panoramic Survey", International Journal of Advanced Research in Engineering and Technology (IJARET), Vol. 11, No.9, 2020, pp. 747-754 [Scopus]
2. Kannimuthu S., Bhanu D., Bhuvaneshwari K. S. "A novel approach for agricultural decision making using graph coloring", SN Applied Sciences, Springer, Vol. 2, No. 31, 2020 [SCI].
3. Arunkumar P. M., Kannimuthu S., "Machine Learning Based Automated Driver-Behavior Prediction For Automotive Control Systems", Journal of Mechanics of Continua and Mathematical Sciences, Vol. 7, pp. 1-12, 2020 [SCI].
4. Usha G., Kannimuthu S., Mahendiran P. D., Anusha Kadambari Shanker, Deepti Venugopal, "Static analysis method for detecting cross site scripting vulnerabilities", Journal International Journal of Information and Computer Security, Vol. 13, No.1, pp.32-47, 2020 [Scopus]
5. Gowtham Chakravarthy D., Kannimuthu S., "Mining interesting actionable patterns for web service composition", Journal of Ambient Intelligence and Humanized Computing, pp. 1-7, 2020[SCI]
6. Usha G. and Kannimuthu S., "Augmentation and Orchestration of Security Techniques in Fog Computing", International Journal of Recent Technology and Engineering (IJRTE), Vol. 8, No. 2S4, pp. 143-148, 2019 [Scopus Indexed]
7. Sharmila Devi V., Kannimuthu S., Ravikumar G., Anand Kumar M., "KCE DALab-APDA@FIRE2019: Author Profiling and Deception Detection in Arabic using

Weighted Embedding", Journal Working Notes of FIRE 2019 - Forum for Information Retrieval Evaluation, Vol. 2517, pp. 136-143 [Scopus]

8. Kannimuthu S., Bhanu D., Bhuvaneshwari K. S., "Performance Analysis of Machine Learning Algorithms For Dengue Disease Prediction", Journal of Computational and Theoretical Nanoscience, Accepted for Publication [Scopus Indexed]
9. Nithyanantham S., Kannimuthu S., "Analysis of security issues for the internet of vehicles in India", International Journal of Engineering and Technology(UAE), 7(1.3 Special Issue 3), pp. 181-186, 2018 [Scopus Indexed]
10. Bhuvaneshwari K. S., Bhanu D. & Kannimuthu S., "Probabilistic Variable Precision Fuzzy Rough Set Technique for Discovering Optimal Learning Patterns in E-learning", International Journal of Business Intelligence and Data Mining, Inderscience Journal, Vol. 14, No. 1-2, 121-137, 2019. [Scopus Indexed, SJR: 0.19, AU Annexure-I]
11. Kannimuthu S. & Premalatha K., "Stellar mass black hole optimization for utility mining", International Journal of Data Analysis Techniques and Strategies, Inderscience Journal, Vol. 11, No. 3, 222-245, 2019. [Scopus Indexed, SJR: 0.19, AU Annexure-I]
12. Arunkumar P. M., Chandramathi S., Kannimuthu S., "Sentiment analysis-based framework for assessing internet telemedicine videos", International Journal of Data Analysis Techniques and Strategies, Vol. 11, No. 4, pp. 328-336, 2019. [Scopus Indexed, SJR: 0.19, AU Annexure-I]
13. Chola Raja K., Kannimuthu S., "Certain Investigation on Cross Domain Data Fusion", International Journal of Applied and Pure Mathematics, Vol. 118, No. 10, pp. 1-7 [Scopus Indexed, SJR: 0.25].
14. Mahendiran P. D., Kannimuthu S., Balaji N. V., "Certain Investigation on Context Aware Computing", International Journal of Applied and Pure Mathematics, Vol. 118, No. 11, pp. 71-79 [Scopus Indexed, SJR: 0.25].
15. Arunkumar P. M., Kannimuthu S., "Mining Big data streams using Business analytics tools: A bird's eye view on MOA and SAMOA", International Journal of Business Intelligence and Data Mining, Inderscience Journal [Scopus Indexed, SJR: 0.19, AU Annexure-I]

16. Mahendhiran P. D. & Kannimuthu S., "Deep Learning Techniques for Polarity Classification in Multimodal Sentiment Analysis", *Int. J. Info. Tech. Dec. Mak.* Vol. 17, No. 3, pp. 883-910, 2018. [SCI, Scopus Indexed, Impact Factor: 1.664].
17. Usha G., Kannimuthu S., Bhanu D., Bhuvaneshwari K. S. and Karthikeyan H., "Taxonomy of Worm Hole Attack Solutions in MANET", *International Journal on Control Theory and its Applications*, Vol. 9, No. 14, pp. 1101-1108, 2017 [Scopus Indexed, SJR:0.53]
18. Aishwarya R., Gokulapriya A. & Kannimuthu S., "Certain Investigation on graph Theory and its Applications", *International Journal of Scientific Research*, Vol. 6, No. 5, pp. 580-582, 2017.
19. Sangeetha S., Kannimuthu S., Mahendhiran P. D., "Survey on Big Data Analytics and its Applications", *International Journal of Computer Applications* 153 (12), 2017.
20. Priyadharsini C., Kannimuthu S., "An Intelligent Decision Making System for Flood Prediction", *Asian Journal of Research in Social Sciences and Humanities* 7 (2), pp. 195-207, 2017.
21. Sharmila Devi V., Kannimuthu S., "KCE_DAlab@CMEEIL-FIRE2017:Event Extraction using Support Vector Machines", *Proceedings of the 9th Forum for Information Retrieval Evaluation, FIRE-2017, IISc, Bangalore* [Scopus Indexed]
22. Usha G., Kannimuthu S., Mahendiran D., "A Static Analysis method for detecting Cross Site Scripting Vulnerabilities", *International Journal of Information and Computer Security*, *Inderscience Journal* [Scopus Indexed, SJR: 0.14]
23. Kannimuthu S., Somesh C. K., Mahendhiran P. D., Bhanu D. and Bhuvaneshwari K. S., "Certain Investigation on Significance of Internet of Things (IoT) and Big Data in Vehicle Tracking System", *Indian Journal of Science and Technology*, Vol. 9, No. 39, 2016 [SJR:0.27]
24. Venkatachalam K., Karthikeyan N. K., Kannimuthu S., "Comprehensive Survey on Semantic Web Service Discovery and Composition", *Advances in Natural and Applied Sciences*, Vol. 10, No. 5, pp.32-40, 2016 [SJR: 0.13- Scopus Indexed, AU Annexure II]
25. Usha G., Kannimuthu S., Karthi M., Joshua J., "An Analytical Approach to Detect and Isolate Attacks in Mobile Adhoc Networks Using Cross Layer Feedback", *Asian Journal of Information Technology*, Vol. 15, No. 4, pp.694-702, 2016 [SJR: 0.11- Scopus Indexed]

26. Sreega S., Kannimuthu S., Bhanu K. & Bhuvaneshwari K., "A Systematic Exposition of Internet of Things (IoT) and Security Issues", Middle East Journal of Scientific Research, Vol. 24, No. 9, pp. 2739-2751, 2016 [SJIR:0.16]
27. Arulprakash P., Sengottuvelan P., Kannimuthu S., "Hybrid Fuzzy Logic based Proactive Energy Optimizing", Asian Journal of Research in Social Sciences and Humanities Vol. 6, No. 9, pp. 2082-2089, 2016.
28. Kannimuthu S., Premalatha K., Usha G., "Survey on Recent Developments in Utility based data mining", International Journal of Innovative Science, Engineering and Technology, Vol. 2, No. 9, pp. 894-901, 2015
29. Kannimuthu S., Premalatha K., "UP-GNIV: An Expeditious High Utility Pattern Mining Algorithm for Itemsets with Negative Utility Values", International Journal of Information Technology and Management: InderScience Journal, Vol. 14, No. 1, 2015, pp. 26-42 [SJIR: 0.16-Scopus Indexed, AU Annexure II]
30. Kannimuthu S., Premalatha K., "A Distributed Approach to Extract High Utility Itemsets from XML Data", World Academy of Science, Engineering and Technology, International Journal of Computer, Information Science and Engineering, Vol. 8, No. 3, 2014, pp. 460-468 [SJIR: 0.12- Scopus Indexed, AU Annexure II]
31. Kannimuthu S., Premalatha K., "Discovery of High Utility Itemsets using Genetic Algorithm with Ranked Mutation", Applied Artificial Intelligence, Taylor & Francis Journal, Vol. 28, No. 4, 2014, pp. 337-359. [SCI, Scopus Indexed, Impact Factor: 0.527, AU Annexure I]
32. Kannimuthu S., Gunasekaran S., Roopa S., "Review on Hiding the Sensitive High Utility Itemsets", International Journal of Computer Applications (ISSN: 0975 – 8887), Vol. 119, No. 13, pp. 30-33.
33. Usha G., Kannimuthu S., "A Secured Cross Layer AODV Routing to Detect and Isolate Black Hole Attacks (SCLARDI) for MANET", TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES DOI: 10.3906/elk-1508-121, [SCI, Scopus Indexed, Impact Factor: 0.518].
34. Priyadharsini C., Kannimuthu S., "Polyhedron Model for three dimensional node deployments in Underwater Sensor Network", Journal of Computational and Theoretical Nanoscience, Vol. 14, No. 12, pp. 5858-5862 [Scopus Indexed, SJIR: 0.23, AU Annexure-I]

Conference Publications

35. Kannimuthu S., "Software Interface for Rainfall Animation Over Globe", National Conference conducted by CSI College of Engineering, Ooty.
36. Kannimuthu S., "Modeling a Network Intrusion Detection System using Random Forests", National Conference on Information Technology conducted by Bangalore Institute of Technology, Bangalore.
37. Kannimuthu S., "Wireless Tongue- Teeth Operated System for Physically Challenged People to Operate Computer", Proc. of Int. Conf. on Advances in Computer Engineering, 2011.
38. Kannimuthu S., "TQM: A Driving Force to Face Challenges in Technical Education", Proc. of National. Conf. on Reaching the Unreached: A Challenge to Technical Education.
39. Kannimuthu S., "Investigation of high utility itemset mining in service oriented computing: deployment of knowledge as a service in e-commerce", International Conference on Advanced Computing (ICoAC-2012) conducted by Madras Institute of Technology (MIT), Chennai.
40. Kannimuthu S., "Certain Investigation on Cross Domain Data Fusion", in International Conference on Electrical and Electronics Instrumentation and Computer Communication conducted by Karpagam College of Engineering, Coimbatore.
41. Kannimuthu S., "Comprehensive Survey on Context Aware Computing", International Conference on Electrical and Electronics Instrumentation and Computer Communication conducted by Karpagam College of Engineering Coimbatore.
42. Kannimuthu S., "A Novel Approach for Agricultural Decision Making using Graph Coloring", International Conference on IoT, Social, Mobile, Analytics and Cloud in Computational Vision and Bio-Engineering (ISMAC-CVB 2019) organized by Vivekananda College of Technology for Women, March 13-14, 2019.
43. Kannimuthu S., "Augmentation and Orchestration of Security Techniques in Fog Computing", International Conference on 4th International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems organized by Dept. of Software Engineering, SRM Institute of Science and Technology, Chennai, April 11-13, 2019.

Patents Published

44. NASH EQUILIBRUM-BASED SOLUTION FOR FORMJACKING IN CROWDSENSING NETWORK (**Application No: 202041043760**)
45. NOVEL DEEP MEMORY NET MODEL FOR CROP PROTECTION THROUGH MULTICLASS DATA ANALYTICS (**Application No: 202041026014**)
46. "SURAKSHIT YATRA" IOT BASED ROAD SAFETY MANAGEMENT THROUGH TENSOR FLOW AND LIGHT FIDELITY BY ADOPTING YOLO ALGORITHM (**Application No: 201941036901**)