Journal Publications

1	**Kannimuthu S,** Dr. K. Premalatha, '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]**
2	**Kannimuthu S,** Dr. K. Premalatha, '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 **[SJR: 0.12- Scopus Indexed, AU Annexure II]**
3	**Kannimuthu S**, Dr. K. Premalatha& Dr. S. Shankar, "A NOVEL APPROACH TO EXTRACT HIGH UTILITY ITEMSETS FROM DISTRIBUTED DATABASES", **Computing and Informatics Journal, Vol**. 31, No. 6+, 2012, pp. 1597-1615. **[SCI, Scopus Indexed, Impact Factor-0.504, Annexure I].**
4	**Kannimuthu S,** Dr. K. Premalatha**,** "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 **[SJR: 0.16-Scopus Indexed, AU Annexure II]**
5	**Kannimuthu S,** Dr. K. Premalatha**,** "DISCOVERY OF HIGH UTILITY ITEMSETS USING GENETIC ALGORITHM", **International Journal of Engineering and Technology,** Vol. 5, No.6, 2013, pp.4866-4880.**[SJR: 0.18-Scopus Indexed, AU Annexure II]**
6	**Kannimuthu S**, Dr. K. Premalatha& Shankar S, "iFUM-IMPROVED FAST UTILITY MINING",**International Journal of Computer Applications, Vol. 27, No. 11, 2011, pp. 32-36.**
7	Shankar S , Dr.T.Purusothaman, **Kannimuthu S** , Vishnu Priya K , "A NOVEL UTILITY AND FREQUENCY BASED ITEMSET MINING APPROACH FOR IMPROVING CRM IN RETAIL BUSINESS", **International Journal of Computer Applications, Vol. 1, No. 16, 2010.**
8	Deepa S P, **Kannimuthu S,** Keerthika, "SECURITY USING COLORS AND ARMSTRONG NUMBERS", **IEEE Xplore**, **pp. 157-160, ISBN-978-1-61284-807-5,DOI-10.1109/NCOIET.2011.5738822.**
9	**S. Kannimuthu**, Dr. K. Premalatha and Dr. S. Shankar. "INVESTIGATION OF HIGH UTILITY ITEMSET MINING IN SERVICE ORIENTED COMPUTING: DEPLOYMENT OF KNOWLEDGE AS A SERVICE IN E-COMMERCE", **IEEE Xplore, ISBN-978-1-4673-5583-4, DOI: 10.1109/ICoAC.2012.6416812, 2012.**
10	Karthick Kannan, Deepa S.P, **Kannimuthu S**, "Wireless Tongue- Teeth Operated System for Physically Challenged People to Operate Computer", Proc. of Intl. Conf. on Advances in Computer Engineering
11	**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
12	**Dr. Kannimuthu S,** Dr. K. Premalatha, Dr. G. Usha, '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

13	K. Venkatachalam, Dr. N.K. Karthikeyan, **Dr. S. Kannimuthu,** '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]**
14	G. Usha, **Dr. S. Kannimuthu,** M. Karthi, J. Joshua '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]**
15	Sreega S**, Dr. S. Kannimuthu**, Dr. K. Bhanu & Mrs. K. Bhuvaneshwari, "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 [SJR:0.16]
16	P Arulprakash, P Sengottuvelan, **S Kannimuthu**, "Hybrid Fuzzy Logic based Proactive Energy Optimizing", Asian Journal of Research in Social Sciences and Humanities Vol. 6, No. 9, pp. 2082-2089, 2016.
17	G Usha, **S Kannimuthu**, "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].**
18	**S. Kannimuthu**, C. K. Somesh, P. D. Mahendhiran, D. Bhanu and K. S. Bhuvaneshwari, "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]**
19	S Sangeetha, S Kannimuthu, PD Mahendhiran, "Survey on Big Data Analytics and its Applications", International Journal of Computer Applications 153 (12), 2017
20	C Priyadharsini, S Kannimuthu, "An Intillegent Decision Making System for Flood Prediction", Asian Journal of Research in Social Sciences and Humanities 7 (2), pp. 195-207, 2017
21	G. Usha, S. Kannimuthu, M. Karthi, Gayathri Devi , "Survey of Single and Cross Layer Security in MANET", Indian Journal of Science and Technology, Vol. 9, No. 41, pp. 1-9, 2016 **[Scopus Indexed, SJR:0.27]**
22	G. Usha, **S. Kannimuthu**, D. Bhanu, K.S. Bhuvaneshwari and H. Karthikeyan,"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]**
23	R. Aishwarya, A.Gokulapriya&**Dr. S. Kannimuthu**, "Certain Investigation on graph Theory and its Applications", International Journal of Scientific Research, Vol. 6, No. 5, pp. 580-582, 2017.
24	C Priyadharsini, S Kannimuthu, "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, SJR: 0.23, AU Annexure-I]**
25	P. D. Mahendhiran &**S. Kannimuthu**, "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].**
26	Mrs. K.S. Bhuvaneshwari, D. Bhanu & S. Kannimuthu, "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]**

27	Dr. S. Kannimuthu& Dr. K. Premalatha, "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]**
28	PM Arunkumar, S Chandramathi, **S Kannimuthu**, "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]**
29	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]**.
30	Mahendiran PD, Kannimuthu S**,** N.V. Balaji**,** "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]**.
31	Dr. P.M. Arunkumar, Dr. S. Kannimuthu, "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]**
32	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]**
33	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]**
34	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]**
35	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]**
36	**Dr. S. Kannimuthu**, Dr. D. Bhanu, Dr. K.S. Bhuvaneshwari, "Performance Analysis of Machine Learning Algorithms For Dengue Disease Prediction Journal of Computational and Theoretical Nanoscience, Accepted for Publication **[Scopus Indexed]**
37	**Dr. S. Kannimuthu**, D. Gowtham Chakravarthy "Extreme gradient boost classification based interesting user patterns discovery for web service composition", Mobile Networks and Applications, Springer, Vol. 24, No. 6, pp. 1-13, **[SCI, Scopus, IF: 2.39]**
38	**Dr. S. Kannimuthu**, Dr. D. Bhanu, Dr. K.S. Bhuvaneshwari "A novel approach for agricultural decision making using graph coloring", SN Applied Sciences, Springer, Vol. 2, No. 31, 2020**[SCI].**
39	PM Arunkumar, **S Kannimuthu**, "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]**.
40	G Usha, **S Kannimuthu**, PD Mahendiran, 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]**

41	D Gowtham Chakravarthy, **S Kannimuthu**, "Mining interesting actionable patterns for web service composition", Journal of Ambient Intelligence and Humanized Computing, pp. 1-7, 2020**[SCI]**
42	V Sharmila Devi, S Kannimuthu, G Ravikumar, M Anand Kumar, "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]**
43	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]**

Conference Publications

1	Presented a paper titled **"Software Interface for Rainfall Animation Over Globe"** in a National Conference conducted by CSI College of Engineering, Ooty.
2	Presented a Paper titled **"Modeling a Network Intrusion Detection System using Random Forests"** in a National Conference on Information Technology conducted by Bangalore Institute of Technology, Bangalore
3	Presented a Paper titled **"Wireless Tongue- Teeth Operated System for Physically Challenged People to Operate Computer"** and it is published in Proc. of Int. Conf. on Advances in Computer Engineering 2011
4	Presented a Paper titled **"TQM:A Driving Force to Face Challenges in Technical Education"** at Anna University, Chennai, Madurai Region and it is published in Proc. of National. Conf. on Reaching the Unreached: A Challenge to Technical Education.
5	Presented a Paper titled **"Investigation of high utility itemsetmining in service oriented computing: deployment ofknowledge as a service in e-commerce",** in a International Conference on Advanced Computing (ICoAC-2012) conducted by Madras Institute of Technology (MIT), Chennai
6	Presented a Paper titled **"Certain Investigation on Cross Domain Data Fusion",** in a International Conference on Electrical and Electronics Instrumentation and Computer Communication conducted by Karpagam College of Engineering Coimbatore.
7	Presented a Paper titled **"Comprehensive Survey on Context Aware Computing",** in an International Conference on Electrical and Electronics Instrumentation and Computer Communication conducted by Karpagam College of Engineering Coimbatore.
8	Presented a Paper titled "**A Novel Approach for Agricultural Decision Making using Graph Coloring**" in an 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.
9	Presented a Paper titled "**Augmentation and Orchestration of Security Techniques in Fog Computing**" in an International Conference on 4[th]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.