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Publications of Dr. M Krishnamurthy

1. S. Bairavel, **Dr. M. Krishnamurthy**, “User Preference and Reviews Analysis with Neural Networks for Travel Recommender Systems”, International Journal of Engineering Research and Technology. ISSN 0974-3154, Vol. 13, No. 8, pp. 1896-1900, 2020.
2. M. Thirupugal Kumar, **M. Krishnamurthy**, “A Survey on Customer Churn Prediction in Telecom Systems”, International Journal of Advance Science and Technology, Vol. 29, No. 10S, pp. 7218-7227, 2020.
3. Lekhraj, Ankur, Rudraksh Chandra Mukut, **M. Krishnamurthy** “The Complaint Management System”, International Journal of Scientific Research in Engineering and Management (IJSREM), Vol.04 No. 07, 2020.
4. M. Kanipriya, R. Krishnaveni, S. Bairavel, **M. Krishnamurthy**, “An Aspect Based Sentimental Analysis Approach Using Convolutional Neural Networks And Recognizing Audience Feedback through Facial Expression To Analyze The Sentiments In Presentations”, International Journal of Advanced Science and Technology, Vol.29, No.3, pp. 11175-11184, 2020.
5. S. Bairavel, **M. Krishnamurthy**, "Novel OGBEE-based feature selection and feature-level fusion with MLP neural network for social media multimodal sentiment analysis", Soft Computing, 2020.
6. M. Kanipriya, R. Krishnaveni, S. Bairavel, **M. Krishnamurthy**, “Aspect based Sentiments Analysis from Tweets Using Convolutional Neural Network Model”, Journal of Advance Research in Dynamical & Control Systems, Vol. 12, No. 4, pp.106-114,2020
7. Vidhyasagar B.S., Perinbam J.R.P., **Krishnamurthy M**, “A Novel Oppositional Chaotic Flower Pollination Optimization Algorithm for Automatic Tuning of Hadoop Configuration Parameters”, Big Data, Vol.8, No. 3, 2020.

8. Vidhyasagar B.S., Perinbam J.R.P., **Krishnamurthy M.**, Arunnehru J “A Cost-Effective Data Node Management Scheme for Hadoop Clusters in Cloud Environment”, Communications in Computer and Information Science, Vol. 1203, pp. 27-37, 2020.
9. M. Kanipriya, R. Krishnaveni, S. Bairavel, **M. Krishnamurthy** “An Aspect based Sentimental Analysis Approach using Deep Neural Networks and Artificial Fish Swarm Optimization to Analyze the Sentiments in Tweets”, International Journal of Advanced Science and Technology, Vol. 29, No. 03, pp. 5138 – 5147, 2020.
10. Kanipriya M., Krishnaveni R., **Krishnamurthy M.**, Bairavel S., "Analyzing Social Emotions in Social Network Using Graph Based Co-Ranking Algorithm", International Journal of Technology and Human Interaction (IJTHI), Vol. 16, No.2, pp. 23-33, 2020.
11. M. Kanipriya, R. Krishnaveni, **M. Krishnamurthy**, S. Bairavel, “Aspect Based Sentiments from Tweets using Co-Ranking Multi-Modal Natural Language Processing Methodologies International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Vol.8 No.5, pp.1061-1068, 2020.
12. Lakshmi N, **Krishnamurthy M.**, “Social Networking Data Research Using Frequent Pattern Mining and Machine Learning Data”, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Vol.8, Issue-6, pp. 4784-4789, 2019.
13. D Sathyanarayanan, **M Krishnamurthy**, “Efficient Intelligent Generic Recommendation Knowledge Graph in Education Domain using Association Rule Mining and Machine Learning”, International Journal of Innovative Technology and Exploring Engineering, Vol.8, Issue-10, pp.2291-2296, 2019.
14. G. Nagendra Babu, K.M. Mehata, **M. Krishnamurthy** "A Multi-Level Lightweight Method to Find Malfunctioning Nodes in WSN" Journal of Advance Research in Dynamical & Control Systems, Vol. 11, No.01, pp.818-823, 2019.
15. B S Vidhyasagar, J Rajapaulperinbam, **M Krishnamurthy**, J Arunnehru, “An Effective Resource Management in Hadoop Cluster using Optimized Algorithm”, International Journal of Recent Technology and Engineering, Vol.8, Issue-1, pp. 803-809, 2019.
16. G. Harini, R. Chandradivya, P. Monica, D. Sudha, **M. Krishnamurthy**, “Frequent Itemset Generation for Analyzing Customer Buying Nature using Bit Vector Mining”, International Journal for Research in Applied Science & Engineering Technology Vol. 7, pp.1885-1895, Issue III, 2019.

17. D Sathyanarayanan, **M Krishnamurthy**, "Association Rule Mining Using Frequent Itemsets Generation by Anti- Mirroring of Bit Vectors", International Journal of Pure and Applied Mathematics, Vol.118 No. 20, pp. 5033-5044, 2018.
18. K. Srinivasa Rao, A. Ramesh Babu and **M. Krishnamurthy** "Identifying the Search Goals by Clustering Concept", International Journal of Recent Innovation in Engineering and Research, Vol.02, No: 11, pp. 31-37, 2017.
19. Rajamohan V.R, **M Krishnamurthy** "Structured Data Analytics ff Social Network Reviews using Sentiment Analysis - SVM on Hadoop", International Journal of Recent Innovation in Engineering and Research, Vol.2, No.4, pp.47-52, 2017.
20. R. Velmurugan, C. Jothi Venkateswaran and **M. Krishnamurthy**, "Mining Frequent ItemSet Based on Clustering of Bit Vectors", Indian Journal of Science and Technology, Vol 9. No.44, pp.1-7, 2016.
21. R. Velmurugan, C. Jothi Venkateswaran and **M. Krishnamurthy**, "Frequent Itemset Generation using Reverse Mirroring Technique", International Journal of Control Theory and Applications Vol.9, No. 40, pp.19-31, 2016.
22. Y.S.Kalai Vani, Dr. **M. Krishnamurthy**, "Survey of Various Approaches of Types of Intrusion Detection Techniques Based on Data Mining", in proceeding of International Conference on Recent Innovations in Sciences Management, Education and Technology, (ICRISMET'16) , 2016.
23. Vejeey Subash Gandyer **Krishnamurthy M** "Brain Mapper: A Brain to Canvas Communicator" in International Research Symposium on Engineering and Technology conducted by Higher Education Forum at Singapore, September 13-15, 2016
24. **M Krishnamurthy**, D Sudha, Y Narasimha Rao, R Baskaran, A Kannan "An Effective and Customized Itinerary Planning System using Association Rule Mining Technique with Personalized Points of Interest", Circuits and Systems Journal, Vol.7, No.7 pp. 1120-1131, 2016. (**Updated Annexure**).
25. Nikhila Varghese, **M Krishnamurthy**, "Discovering Binding Cores in Protein-DNA using Rank-Based Weighted Association Rule" in the proceeding of IEEE sponsored FIFTH International Conference on Computing of Power, Energy & Communication, (ICCPEIC) April-2016.

26. Maganti Venkatesh, **M Krishnamurthy**, A Swarupa, A Kannan “Mining Personalized e-learning System for Enhancing Learner Skills”, Asian Journal of Information Technology, Vol.15, No.22, pp. 4500-4511, 2016.
27. R Vidhya, M Kanipriya., **M. Krishnamurthy**, S. Bairavel “Tracking and Analyzing the Public Opinion Variation on Twitter Using Graph Based Co-Ranking Algorithm”, **Accepted** for publication in Indian Journal of Science and Technology, 2016.
28. K Kalpana, M Kanipriya, **M Krishnamurthy**, S. Bairavel “Aspect Based Sentiment Analysis For Textual Reviews Using Fuzzy C-Means Clustering Algorithm” International Journal of Applied Engineering Research, Vol. 10, No. 10, pp. 25819-25829, 2015. (**Annexure-II**).
29. K. Srinivasa Rao, **M. Krishnamurthy**, "Identifying Query Groups and Maintaining User Search Histories", Journal of Computer Science Engineering and Software Testing, Vol.1, No.3, 2015.
30. K. Srinivasa Rao, **M. Krishnamurthy**, "Short-Period Algorithm for Extracting the User's Interests", Journal of Computer Science Engineering and Software Testing, Vol.1, No.3, 2015.
31. K. Srinivasa Rao, **M. Krishnamurthy**, “Sensitive and Privacy Sensitive Attributes in Data Mining With Discrimination ”, International Journal of Exploring Emerging Trends in Engineering(IJEETE), Vol.2, No.3, pp. 142-151, 2015.
32. K. Srinivasa Rao, **M. Krishnamurthy**, A Kannan "Extracting User Interests from Log using Long-Period ExtractingAlgorithm", International Journal of Exploring Emerging Trends in Engineering (IJEETE),Vol. 02, No.02, pp.29-34, 2015.
33. G. Nagendra Babu, **M. Krishnamurthy**, “Adaptable solutions to the security issues of Wireless Sensor Networks” in the proceedings of National Conference on Advanced Computing Technologies NCACT, October 2015.

34. M. Kanipriya, **M. Krishnamurthy**, “Analyzing Social Emotions in Audio and Video Content using Probabilistic Aspect Ranking Algorithm” in the proceedings of National Conference on Advanced Computing Technologies NCACT, October 2015.
35. Nikhila Varghese, **M. Krishnamurthy** “Association Rule Mining: A Survey” in the proceedings of National Conference on Advanced Computing Technologies NCACT, October 2015.
36. K. Srinivasa Rao, **M. Krishnamurthy**, “A Survey on Data Preprocessing Stage in Web Usage Mining”, in the proceedings of National Conference on Advanced Computing Technologies NCACT, October 2015.
37. Vejeey Subash Gandyer **Krishnamurthy M** Sanjeev Venkatesan “Brain Painter: A Novel P300-Based Brain Computer Interface Application for Locked-In-Syndrome Victims”, Proceedings of International Conference on Information Technology and Computer Science, Pattaya, Thailand, pp. 88-93, July 11-12, 2015.
38. K. Srinivasa Rao, **M. Krishnamurthy**, A Kannan, “Extracting the User’s interests by Using Web Log Data Based on Web Usage Mining”, **Journal of Computational and Theoretical Nanoscience**, Vol.12, No.12, pp.5031-5040, 2015 (Annexure-I).
39. G Nagendra Babu, **M Krishnamurthy**, A Kannan “Efficient Hierarchical Data Aggregation in WSN with Mobile Sink” accepted for publication in **Journal of Computational and Theoretical Nanoscience**, Vol.12, No.12, pp.5041-5046, 2015 (Annexure-I).
40. G. Nagendra Babu, **M Krishnamurthy**, “A Comparative Analysis of Routing Protocols for WSNs with Mobile Sink”, International Journal of Engineering and Management Research”, Vol. 5, No.4, pp.5-9, 2015.
41. G. Nagendra Babu, **M. Krishnamurthy**, S. Zeenathunnisa, “Efficient Mechanisms for Data Gathering in Wireless Sensor Networks by Mobile Collectors”, International Journal of Engineering and Management Research”, Vol. 5, No.4, pp.105-107, 2015.

42. G. Nagendra Babu, **M. Krishnamurthy**, G.Anusha “Mutli Level Priority based Packet Scheduling Scheme for Wireless Sensor Networks” *International Journal of Engineering and Management Research*, Vol. 5, No.4, pp.108-111, 2015.
43. D Sathyanarayanan, **M. Krishnamurthy** "An Efficient Association Rule Based Dynamic Support Count Adaptation Model for XML Databases Using XQuery”, **International Journal of Applied Engineering Research**, Vol. 10, No. 6, pp. 16129-16147, 2015 (**Annexure-II**).
44. K. Srinivasa Rao, **M. Krishnamurthy**, A Kannan, “Mining User Interests from Web Log Data using Long-Period Extracting Algorithm”, **International Journal of Applied Engineering Research**, Vol. 1, No. 1, pp. 25017-25025, 2015 (**Annexure-II**).
45. **M Krishnamurthy**, K Manivannan, A Chilambuchelvan, E Rajalakshmi, A Kannan, “Enhanced Candidate Generation for Frequent Itemset Generation”, **Indian Journal of Science and Technology**, Vol.8, No.13, 2015. (**Annexure-II**).
46. **M Krishnamurthy**, K Manivannan, A Chilambuchelvan, E Rajalakshmi, A.Kannan “Frequent Itemsets Generation from Transaction Database and Rule Generation using Quine-McCluskey Method”, *Middle-East Journal of Scientific Research*, Vol. 23, pp.222-231, 2015. (**Annexure-II**).
47. D Sudha **M. Krishnamurthy**, “Points Of Interest Discovery for an Economic and Customized Travel Plan using Clustering and Association Rule Mining Technique”, in the proceedings of **ICECE-2015**.
48. R. RajKumar, **M.Krishnamurthy** “An Emphasized Dual Similarity Measure Integration for Online Image Retrieval System Using SimRank”, **International Journal of Computing Algorithm**, Vol.04, No.1, pp.1123-1128, 2015.
49. K. Srinivasa Rao, **M. Krishnamurthy** “Mining User Interests from Web Log Data using Long-Period Extracting Algorithm” **Journal of Computer Science Engineering and Software Testing**, Vol.1, No.1, pp.25017-25025, 2015.
50. N. A Anuja Jaishree **M. Krishnamurthy** “Domain Specific Search by Ranking Model Adaptation using Binary Classifier” **KCG Journal of Science and Technology**, Vol. 1, No.1, pp. 22-28, 2015.