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Research Area: Adhoc Sensor networks, Software Engineering, Data Mining

**List of Journal Publications**

1. T.Thenmozhi & Kalpana A.M, “Adaptive motion estimation and sequential outline separation based moving object detection in video surveillance system”, Microprocessors and Microsystems, September 2020.
2. S.Ananth and Kalpana A.M, “A dynamic technique to enhance quality of service in software-defined network-based wireless sensor network (DTEQT) using machine learning”, International Journal of Wavelets, Multiresolution and Information Processing”, July 2019
3. Kavitha.M and Kalpana A.M, “Low leakage charge recycling technique For power minimization in cntfet circuits” Acta Polytechnica vol 59, 24–34 Feb 2019
4. R.P.S. Manikandan and Dr. A.M. Kalpana” Big Data Analytics using HDFS “International journal of Information and computing systems, Volume 5, Issue : 12, Dec 2018.
5. Kalpana.A.M, Rajesh.A,Sasikala.R “A Neural Framework To Discover The Probability For Recommendations Using Association With Clustering Methodology” International Journal of Computer Engineering and Applications, Volume XII, Issue II, Feb. 2018,

6. R.C.Karpagalakshmi, and Dr.A.M.Kalpana “Study On Effective Traffic Organization With Fuzzy Using Neighbor Junction Points” International Journal of Pure and Applied Mathematics Volume 118 No. 14 pp.149-155, 2018.
7. Kavitha.M, Kalpana A.M “Carbon Nanotubes: Properties And Applications - A Brief Review “ i-manager’s Journal on Electronics Engineering, Vol. 71 No. 31 March - May 2017
8. Manikandan R.P.S, Kalpana A.M "Feature Selection Using Fish Swarm Optimization in Big Data” Springer journal, The Journal of Networks, Software Tools and Applications, March 2017, (Annexure-I).
9. K. Jayanthi, Dr. A. M. Kalpana, “Mutual Coupling Reduction Techniques between MIMO Antennas for UWB Applications”, September 17 Volume 5 Issue 9, International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, PP: 18 – 22
10. Kalpana A M, Tharani P “An Exploration of Security Issues in Cloud Environment”, June 17 Volume 5 Issue 6, International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, PP: 236 – 243
11. Kalpana.A.M, Rajesh.A,Sasikala.R, “An optimal retrieval technique in text mining using GSO based prefix span algorithm and improved K-means” Int. J. Business Intelligence and Data Mining, Vol. 11, No. 3, 2016(Annexure-I)
12. Nithya P, Kalpana A M, “Big Data Clustering Algorithm and Strategies”, June 17 Volume 5 Issue 6, International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, PP: 1387 – 1391.
13. Kalpana .A.M,Karpagalakshmi.R.C,Tensing.D,2017” implementation of RTT-GM for Vehicular recognition and Localization “Asian Journal of Research in Social Sciences and Humanities Vol. 7, No. 1, January2017, pp. 941-949
14. R.P.S. Manikandan and Dr. A.M. Kalpana, 2016. “Design of transactional

- prediction using plan mine and genetic algorithms” International journal of computer engineering & technology (IJCET).volume:7, issue:6,pages:50-54.
15. R.C.Karpagalakshmi, and Dr.A.M.Kalpna “Multi-point co-ordination scheme for traffic control systems” Asian Journal Of Research In Social Sciences And Humanities, vol 6,no.10,October 2016,pp.911-919(Annexure-I) .
  16. R.C.Karpagalakshmi, D. Tensing and Dr.A.M.Kalpna” A Robust Vantage Point based Event Detection Architecture for Efficient Object Detection and Localization” Asian Journal of Information technology, April 2016 (Annexure-I)
  17. Karpagalakshmi, RC, Tensing, D &Kalpna, AM ‘Image Localization using Deformable Model and its Application in Health Informatics”, Journal of Medical Imaging and Health Informatics, ISSN : 2156-7018(Print), ISSN : 2156-7026 (Online) Volume 6, Number 8, December 2016, pp. 1972-1976(5)
  18. R.P.S.Manikandan and Dr.A.M.Kalpna,” Tracking and Analyzing the Public Opinions by Interpretation Techniques” IJIRT , April 2016 , Volume 2 Issue 11.

#### **List of Conference Publications**

A survey on wireless sensor networks and its routing protocol	Proceedings of International Conference on advances in Robotics, Energy and Network systems” March 2017
Moving object detection and tracking based on background subtraction	Proceedings of International Conference on advances in Robotics, Energy and Network systems” March 2017
Streaming data analysis in big data	Proceedings of International Conference on advances in Robotics, Energy and Network systems” March 2017
Design and performance issues of MIMO antennas for UWB applications	Proceedings of International Conference on advances in Robotics, Energy and Network systems” March 2017
‘Design and Analysis of a robust Ray	On Advancements In Power

Traced Template and improvised Gradient Model for Vehicular Recognition and Localization’.	Electronics and Industrial Drives (NCAPEID 2016)
Detection and Tracking of Moving Object Based on Background Subtraction	International Conference on "Recent Innovation in Science, Technology and Management" (ICRISTM-16) at Indian Federation of United Nations Associations (IFUNA) , New Delhi, India on 12th June 2016
Design and performance of MIMO antennas	On Advancements In Power Electronics and Industrial Drives (NCAPEID 2016) 18.3.16
Implementation of Inventory Control System by Genetic Algorithm	On Advancements In Power Electronics and Industrial Drives (NCAPEID 2016) 18.316
A CPW fed micro strip antenna for ultra wide band applications	On Advancements In Power Electronics and Industrial Drives (NCAPEID 2016) 18.316
Detection and tracking of moving object based on background subtraction	On Advancements In Power Electronics and Industrial Drives (NCAPEID 2016) 18.316
Reliability Enhancement for cloud services-A survey	On Advancements In Power Electronics and Industrial Drives (NCAPEID 2016) 18.316

**Patent detail:** A SYSTEM FOR ROUTING IN WIRELESS SENSOR NETWORK

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