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### **PUBLICATION DETAILS:**

#### **National Conferences:**

1. Visalakshi Palaniswami , Karthika Renuka. D ,2014, ‘A Hybrid ACO Based Feature Selection Method for Email Spam Classification’, National Conference on Wireless Networks, Computing and Communication, PSGCT, February 7-8.
2. Visalakshi Palaniswami , Karthika Renuka. D, 2014, ‘Hybrid F-GSO algorithm and Naive Bayes Classifier for Email Spam Classification’, National Conference on Innovations in Information and Communication Technology (NCIICT-2014), April 25-26.
3. Visalakshi Palaniswami , Karthika Renuka. D, 2014,”A Hybrid Firefly-RS based feature selection method for Email Spam Classification’, National Conference on Innovations in Information and Communication Technology (NCIICT-2014), April 25-26.
4. Visalakshi Palaniswami , Karthika Renuka. D, 2014, ‘Learning a Propagable Graph using Semisupervised Learning for Email Spam Classification’, National Conference on Wireless Networks, Computing and Communication,PSGCT, February 7-8.
5. P.Visalakshi, M.Thiyagu, “ Visual Sensor System for Identification and Tracing of Objects”, in Proceedings of the National Conference on Advanced Computing , April 2010, pp.28-34.
6. P Visalakshi, S N Sivanandam, Lourdes Gino, “ A Solution for the Task Assignment Problem using Parallel Asynchronous Particle Swarm Optimization”, in Proceedings of the Eighth National Conference on Advanced Computing and Applications, Feb 2009, pp.131 – 136.
7. P Visalakshi, S N Sivanandam, Lourdes Gino, “ Task Assignment Problem – A Novel approach using Modified Particle Swarm Optimization”, in Proceedings of the Eighth National Conference on Advanced Computing and Applications, Feb 2009, pp.284 – 290.
8. P Visalakshi, S N Sivanandam, M Karthik Raja, “ A Task Scheduling Algorithm based on PSO for Grid Computing “in Proceedings of the Eighth National Conference on Advanced Computing and Applications, Feb 2009, pp.320 – 326.
9. P Visalakshi , S Nithyanantham, C S Saravana Kumar, “ Ontology – A bottom up Approach for Web Extraction” , in Proceedings of the Eighth National Conference on Advanced Computing and Applications, Feb 2009, pp.197 – 201.
10. P.Visalakshi, S N Sivanandam, K.Uma, “ An Energy Efficient Time-Bound Hierarchical Key Management Scheme Using MDS Codes for Secure Broadcasting”, in Proceedings of the Third National Conference on Computing and Communication, April 24-25, 2009, pp.49-53.
11. P.Visalakshi, S N Sivanandam and Lourdes Gino,” Data Clustering using Particle Swarm Optimization with Dynamically Varying Inertia”, Proceedings of the Seventh National Conference on Advanced Computing and Applications, Jan 2008, pp.239-243.

12. P Visalakshi, T Hamsapriya, R Umamaheswari, "A survey of vehicle routing problems with time windows", Proceedings of the 5<sup>th</sup> National Conference on Advanced Computing, Dec 2005, pp.77-84.

**International Conferences:**

1. Ms. Varna Priya D, and Dr. P. Visalakshi "A Novel System Call Sequence based Technique to Detect Android Malware using Deep Learning", in 6th International E-Conference on Latest Trends in Science, Engineering and Technology, conducted by Karpagam Institute of Technology on April 2020.
2. Aarthi S, Visalakshi P, "Textile Industry Waste Water Monitoring System using LoRa Technology", International Conference on "Emerging Trends in Artificial Intelligence for Internet of Things" organized by Vellore Institute of Technology, India, December 2019.
3. N.Brindha, Visalakshi P, "A Novel approach to content based video indexing and Retrieval using FLICM feature Extraction", in Proceedings of International Conference on Data Science and Engineering ICDSE 2017, pp. 27-33, 2017.
4. Vasanthamani K and Visalakshi P, "Real Time Task Scheduling for Homogeneous Multi-Core Systems-A Heuristic Approach, in Proceedings of International Conference on Advancements in Automation, Robotics and Sensing, June 2016.
5. Visalakshi Palaniswami, Karthika Renuka. D, 2015, 'Improving the Performance of E-Mail Spam Classification using F-GSO Algorithm for Feature Selection', International Conference on Advances in Applied Engineering and Technology, May 14-16.
6. Visalakshi Palaniswami, A. John Blesswin, "A New Secret Image Sharing Without Pixel Expansion Using Error Reduction for Securing Visual Communications, International Conference on Inter Disciplinary Research in Engineering & Technology 2014 [ICIDRET 2014], ISBN : 978-81-929742-0-0, Proceedings of ICIDRET 2014.
7. Visalakshi Palaniswami, Karthika Renuka. D, 2014, 'E-mail Spam Classification in a Distributed Environment', International Conference on Communication and Computer Networks of the Future, CSI chapter, PSGCT, March 15-16.
8. Visalakshi Palaniswami, Karthika Renuka. D, 2014, 'Text Classification using SVM classifier with Ant Colony Optimization Algorithm', International Conference on Communication and Computer Networks of the Future, CSI chapter, PSGCT, March 15-16.
9. Visalakshi Palaniswami, Balamurugan Shanmugam, 2014 "Performance Evaluation of Grouping Strategies for Privacy Preserving Microdata Publishing with Full Functional Dependencies", International Conference on Computing Methodologies, ISSN No: 1991-8178, vol. 7, pp. 316-323.
10. Visalakshi Palaniswami, A. John Blesswin, "An Improved Grayscale Visual Secret Sharing Scheme for Visual Information Security", Fifth IEEE International Conference on Advanced Computing 2013, Proceedings of ICOAC 2013.
11. Visalakshi Palaniswami, A. John Blesswin, "Visual Cryptography Schemes for Secret Image Sharing - A State of the Art Survey", International Conference on Electrical & Electronics Engineering 2013, Proceedings of ICEEE 2013, Page No. 15-20.
12. Visalakshi Palaniswami, Karthika Renuka. D, 2013, 'Email Spam Classification using Hadoop', International Conference on Cloud and Big Data Analysis, February 8-9.

13. Visalakshi Palaniswami , Karthika Renuka. D, 2013, 'Email Spam Classification using optimization Techniques', International Conference on Cloud and Big Data Analysis , February 8-9.
14. P.Visalakshi ,S.Poomagal.,2013 "Euclidean Distance And Word net Based Page rank Calculation ,"ISSN-0973-1334,National Journal of technology Volume -9.No-1March -2103
15. Visalakshi Palaniswami , Karthika Renuka. D ,2012, 'Feature Selection Methods to Improve the Spam Classifier Performance', International Conference on Innovations in Computers, Information and Communication - ICICIC 2012, January 5-7.
16. Visalakshi P ,Isvarya Luckshmi A.P, Karthikeyan. N. K,"Intelligent Schemes for Bandwidth Allocation in Cellular Mobile Networks", 2011 in Proceedings of the International Conference on Process Automation Control and Computing, Coimbatore, July 2011, pp.1-6., ISBN : 978-1-61284-765-8.
17. P.Visalakshi ,S N Sivanandam, and Lourdes Gino," Data Clustering using Hybrid and Parallel Particle Swarm Optimization" has been accepted for the International Conference on Information Processing to be held at Bangalore during August 8-10, 2008.
18. Karthika Renuka.D, P.Visalakshi, "Spam Classification using SVM – PSO" in Proceedings of International Conference on Cloud and Big data analysis.

#### **National Journals:**

1. Varna Priya D and Visalakshi P, Android Architecture, Security Model and Malware Detection Approaches - State of the Art Survey, National Journal of Technology, vol 14, Issue 4,pp.21-30, 2019
2. Deepthi S, Visalakshi P, " Visible Light Communication towards 5G and security issues – A Survey", National Journal of Technology, vol 15, Issue 2,2019.
3. Visalakshi Palaniswami , K Vasanthamani "Inter-Task Communication Procedures for Real –Time Systems – A Review", National Journal of Technology, Vol.10. No.4,ISSN -0973-1334,2014.
4. Visalakshi Palaniswami , Karthika Renuka. D, 2014, 'F-GSO algorithm and Naive Bayes Classifier for Email Spam Classification', National Journal of Technology, vol. 10, no. 2, pp. 75-83.
5. Visalakshi P, S.Poomagal " Euclidean Distance and Wordnet Based Pagerank Calculation "National Journal of Technology ,vol9,no1,March-2013.
6. Visalakshi P, Brindha N, "Performance Analysis on Video Segmentation Techniques"(2011), National Journal of Technology, PSG College of Technology, Coimbatore, ISSN--0973-1334, pp. 7-14.
7. Visalakshi P and Sivanandam S.N, 2009, 'Dynamic Task Scheduling using Parallel Orthogonal Particle Swarm Optimization', Karpagam Journal of Computer Science, Karpagam publications, Coimbatore, Vol. 3, No. 2, pp. 991-1004 (www.karpagameducation. com).
8. P Visalakshi, S N Sivanandam, A Bhuvaneswari , " Particle Swarm Optimization with Dynamically Reducing Inertia to solve the static Task Assignment Problem", Journal of Computer Science, Karpagam publications, Coimbatore, Vol 2, No.6, July 2007.
9. P Visalakshi, T Hamsapriya, S N Sivanandam, " Parallel Genetic Algorithms – State of the Art Survey", Journal of Computer Science , Karpagam publications, Coimbatore, Vol 1, No.6, June 2006.

#### **International Journals:**

1. Varna Priya D and Visalakshi P, "A Novel Permission Ranking System for Android Malware Detection - The Permission Grader", Journal of Ambient Intelligence and Humanized Computing, Springer, DOI: <https://doi.org/10.1007/s12652-020-01957-5>, IF 4.594
2. Varna Priya D and Visalakshi P, "Detecting android malware using an improved filter based technique in embedded software", Microprocessors and Microsystems, Elsevier, April 2020, Vol 76, DOI: <https://doi.org/10.1016/j.micpro.2020.103115>, IF:1.161
3. S. Karthik O. Cyril Mathew, R. Dhanapal, P. Visalakshi, K. G. Parthiban , "Distributed Security Model for Remote Healthcare (DSM-RH) Services in Internet of Things Environment", Journal of Medical Imaging and Health Informatics, Vol.10, No.1, pp.185-193, 2020
4. N.Brindha, Visalakshi P, "Bridging semantic gap between high-level and low-level features in content-based video retrieval using multi-stage ESN-SVM classifier", International Journal of Sadhana-Academic proceeding in Engineering Sciences, Vol.42, No.1, pp.1-10, 2017.
5. N.Brindha, Visalakshi P, "Content Based Video Feature Extraction and Classification Using Perceived Motion Energy Spectrum-SVM Classifier", International Journal of control Theory and its Applications, Vol.10, No.10, 2017.
6. D.Karthika Renuka, Visalakshi P, "An Ensembled Classifier for Email Spam Classification in Hadoop Environment", International Journal of Applied Mathematics & Information Sciences, Vol.11, No.4, pp.1123-1128, 2017.
7. Jiji Narayanan, Visalakshi P, "Multimodal Biometric authentication in LTE based mobile networks", International journal of Perspectivas em Ciencia da Informacao, Vol.22, Spl.2, pp.157 – 170, November 2017.
8. C.Sivamani , Visalakshi.P " A Hybrid Cluster Stable Link Routing For Overhead Reduction in MANET" Asian Journal of research in Social Science humanities Vol-7 No-3 March -2017, ISSN-2249-7315.
9. K.Vasanthamani, Visalakshi. P ., S.Ravi Shankar " SPARK-A Tool for Synthesis and Analysis For Scheduling Of Real -Time Tasks " Asian Journal of research in Social Science humanities Vol-7 No-1 March -2017 ,ISSN-2249-7315.
10. Vasanthamani Kannaian., Visalakshi Palanisamy., "Energy optimized Scheduling For Non-Preemptive real-time systems" Turkish Journal of Electrical Engineering & Computer Science "30<sup>th</sup> July 2017 doi-10.3906/elk-1508-37
11. R Dhanapal, Visalakshi P, " Real Time Health Care Monitoring System for Driver Community Using Adhoc Sensor Network", Journal of Medical Imaging and Health Informatics, Vol.6, 2016, pp.1-5.
12. Vasanthamani K and Visalakshi P, "A heuristic Energy aware Real-Time scheduling approach for periodic tasks in homogenous multi-core systems", International Journal of Innovation and Scientific Research Vol. 25 No. 1 Jun. 2016, pp. 32-37.
13. Balamurugan S, Visalakshi P, " Privacy –Preserving Data Mining of Query Logs with Multiple Log Subtables in Conditional Functional Dependencies", Asian Journal of Research in Social Sciences and Humanities, Vol.6, No.8, August 2016, pp.2209-2219.
14. Balamurugan S, Visalakshi P, " Hybrid Firefly Algorithm Harmony Search for Feature Selection with BCNF for Multiple Subtables and EM-GMM for Top Down Initial Partitioning", Asian Journal of Research in Social Sciences and Humanities, Vol.6, No.8, August 2016, pp.2231-2259.

15. Balamurugan S, Visalakshi P, "Proposing New Strategy for Privacy Preserving Microdata Publishing with Conditional Functional Dependencies", Asian Journal of Information Technology, Vol.15, No.2, 2016, pp.298-311.
16. Balamurugan S, Visalakshi P, " Boyce-Codd Normal Form (BCNF) Based Privacy-Preserving Publishing Multiple Subtables with Conditional Functional Dependencies", Asian Journal of Information Technology, Vol.15, No.2, 2016, pp.347-358.
17. Balamurugan S, Visalakshi P, " Proposing New Strategy For Privacy Preserving Microdata Publishing with Conditional Functional dependencies" Asian Journal of Information Technology 15(2):298-311, 2016 ISSN:1682-3915.
18. C.Sivamani ., Visalakshi .P , "A fault Tolerant Petri Nets For Enhancing The Secure Routing Among Mobile Agents in Mobile Adhoc Networks " International Journal of Advance Foundation and Research in Computer (IJAFRC) Volume 3, ISSN-2348-4853 ,Issue 12 dec-2016.
19. A.JohnBlesswin ., Visalakshi.P., " A Novel Semantic Secure Image Sharing With Data Hiding for Secure medical Image Communications " International Journal Of applied Engineering Research ., ISSN 0973-4562 VOL-10 (2015)
20. R.Dhanapal, P.Visalakshi (2015) ,"Efficient Clustering protocol based on Ant-Bee agent for Large Scale MANET", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.52, pp. 349 – 361.
21. Visalakshi.P Palaniswami, Dhanapal C, "A Sector Based Energy Efficient Adaptive Routing Protocol for Large Scale MANET", Research Journal of Applied Sciences, Engineering and Technology, Volume .9, No 7, pp. 478-484, ISSN: 2040-7459, 2015.
22. D.Karthika Renuka, Visalakshi P, "Improving the Performance of E-Mail Spam Classification Using F-GSO Algorithm For Feature Selection" International Journal of Applied Engineering Research., ISSN-0973-4562 vol-10 year -2015.
23. A.Johnblesswin , Visalakshi P , " Secret Sharing Approach on Electrocardiography with heart tone Images Using Visual Cryptography For Secure Healthcare Communications" Journal of Pure and Applied Microbiology ,May 2015.
24. Jiji Narayanan, P.Visalakshi, M.Veeramanikandan , "Analysis Study Concerns In LTE," International Journal Of Applied Engineering Research, Volume 10 ISSN :0973-4562 year2015
25. Visalakshi Palaniswami , Karthika Renuka. D , 2015, 'A Hybrid ACO Based Feature Selection Method for Email Spam Classification', WSEAS Transactions on Computers', vol.14, pp.171-177.
26. Visalakshi Palaniswami, A. John Blesswin, "A New Semantic Visual Cryptographic Protocol (SVCP) for Securing Multimedia Communications", International Journal of Soft Computing, Medwell Journals, ISSN : 1816-9503 (Print), 2014.
27. Visalakshi Palaniswami, A. John Blesswin, "A Novel Visual Image Confirmation (VIC) Protocol using Visual Cryptography for Securing Ubiquitous Bluetooth Mobile Communications", International Journal of Applied Sciences 9(8), ISSN : 1815-932 (Print), 2014.
28. Visalakshi P, Sivamani C. " Cross Layer Enhanced Secure Routing Scheme For Authentication in Mobile Ad Hoc Networks " International Journal Of Applied Engineering Research ,ISSN 0973-4562 Volume 9, Number 22-2014
29. Visalakshi Palaniswami, Karthika Renuka. D, 2014, 'Latent Semantic Indexing Based SVM Model for Email Spam Classification', Journal of Scientific & Industrial Research, vol. 73, pp. 437-442.
30. Visalakshi Palaniswami, A. John Blesswin, "A Novel Visual Image Confirmation (VIC) Protocol Using Visual Cryptography for Securing Ubiquitous Bluetooth Mobile

Communications, Research Journal of Applied Sciences, Medwell Journals, ISSN : 1993-6079 (Online), Page No: 503-510,2014 (Annexure II).

31. Visalakshi Palaniswami, A. John Blesswin, "Multi-secret Semantic Visual Cryptographic Protocol for Securing Image Communications", Asian Journal of Information Technology, Medwell Journals, ISSN 1682-3915, Page No. 506-512, 2014 (Annexure II).
32. Visalakshi Palaniswami, Sivamani C, "Cross Layer Enhanced Secure Routing Scheme for Authentication in Mobile Ad Hoc Networks", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol.9, NO. 22 , pp. 17199-17216,2014.
33. Visalakshi Palaniswami ,Balamurugan S, "Strategies for Privacy Preserving Publishing of Functionally Dependent Sensitive Data : A State-of-the-Art Survey", Australian Journal of Basic and Applied Sciences, Volume. 8, No 15,pp. 353-365, ISSN: 1991-8178,2014.
34. Visalakshi Palaniswami, Balamurugan S, "Strategies for solving the NP-Hard workflow scheduling problems in cloud computing environments", Australian Journal of Basic and Applied Sciences, Volume. 8, No 16,pp. 345-355, ISSN: 1991-8178, 2014
35. Visalakshi Palaniswami , Karthika Renuka. D, 2014, 'Firefly and BAYES Classifier for Email Spam Classification in a Distributed Environment', Australian Journal of Basic and Applied Sciences, vol. 8, no. 17, pp. 118-130.
36. P. Visalakshi , S. Poomagal, T. Hamsapriya, (2013), "Semantic similarity-based PageRank using wordnet", International Journal of Computer Applications in Technology, Vol. 46, No. 2, pp.101-112.
37. Visalakshi P , Balamurugan S, (2013), "Modified Partitioning Algorithm for Privacy Preservation in Microdata Publishing with Full Functional Dependencies", Australian Journal of Basic and Applied Sciences, Vol.7, No.8,pp. 316-323.
38. Visalakshi Palaniswami , Karthika Renuka. D, 2013, 'Blending Firefly and Bayes Classifier for Email Spam Classification', International Review on Computers and Software (IRECOS), vol. 8, no. 9, pp. 2168-2177.
39. C.Sivamani and P. Visalakshi (2013) , "Secure Energy Efficient Routing Protocols in Manet : A State of Art Survey ",International Journal of Electronics and Communication Technology, Vol. 4,No: 4, pp.158 – 164.
40. Visalakshi P, Karthik TU (2011), "MapReduce Scheduler Using Classifiers for Heterogeneous Workloads", IJCSNS International Journal of Computer Science and Network Security, Vol.11 No.4, pp. 68-73.
41. Visalakshi P, Sivanandam S.N and Bhuvaneswari A.(2009),"Multiprocessor Scheduling Using Particle Swarm Optimization", IJCIM, Vol. 17, No.3.(September-December).
42. Visalakshi P, Sivanandam S.N, and S Balamurugan (2009), "Design and Implementation of Augmented and Advanced Software Stego Archiever System", CIIT International Journal of Programmable Device Circuits and Systems", Vol. 1, No. 3, pp. 47-55.
43. Visalakshi P, Sivanandam S.N., and S Balamurugan (2009), "Augmented and Advanced Human Computer Software System to Abridge Desk-Space", CIIT International Journal of Fuzzy Systems", Vol. 1, No. 3, pp. 29-36.
44. Visalakshi P, Sivanandam S.N (2009), 'Dynamic task scheduling with load balancing using parallel orthogonal particle swarm optimization', International Journal of Bio-Inspired Computation, Vol. 1, No. 4, pp. 276-286.

45. Visalakshi P , Sivanandam S.N (2009), ‘A New approach for task scheduling using Elite Particle Swarm Optimization’, CIIT International Journal of Artificial Intelligent Systems and Machine Learning, Vol. 1, No. 2, pp. 45-51.
46. Visalakshi P, Sivanandam S.N (2009), ‘Dynamic task scheduling with load balancing using hybrid particle swarm optimization’, International Journal of Open Problems in Computer Science and Mathematics, Vol. 2, No. 3, pp. 475- 488.
47. P Visalakshi ,S N Sivanandam and A Bhuvaneswari, “Multiprocessor Scheduling using Hybrid Particle Swarm Optimization with dynamically varying inertia, International Journal of Computer Science and Applications, Vol.4, No.3, December 2007, pp.95 -106.
48. P.Visalakshi , S N Sivanandam,2008, “Dynamic Task Scheduling using Particle Swarm Optimization with data parallelism”, , International Journal of Computer Science and Software Technology, Vol. 1, No. 2, pp. 59-63.
49. Visalakshi P, T.Hamsapriya., S.N.Sivanandam june(2006), “ Parallel Genetic Algorithms ” JCS, Vol. 1, No. 6.
50. Sankar, D. Karthika Renuka, P. Visalakshi, “Improving E-Mail Spam Classification using Ant Colony Optimization Algorithm.” (2015).
51. A.Johnblesswin , Visalakshi P , “A Novel semantic secret image sharing with data hiding for secure medical image”, International Journal Of Applied Engineering Research, 2015.
52. P. Visalakshi , S. Poomagal, T. Hamsapriya, “A novel method for clustering tweets in twitter”, International journal of web based communities, April 2015.