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Research Publications

1. "Road Finder" in an International Conference on Cognitive Systems (ICCS'97) from 13/12/1997 to 15/12/1997 at New Delhi. India.

2. "Analysis of sentences for syntactic validity" in an International Conference on Cognitive Systems (ICCS'98) from 13/12/1998 to 15/12/1998 at New Delhi. India.

3. "Constant time algorithm to Find MAX/MIN on Square Processor Array & Triangular Processor Array with Reconfigurable Bus System" in an International Conference on Recent Trends in Advanced Computing (ADCOMP'98) from 14/12/1998 to 16/12/1998 at Pune.

4. "Parallel Algorithm for Matrix Norms on PVM"in first National conference on "Signals, Systems and Security" (NCSSS'2002)" from 01/03/2002 to 02/03/2002 at PSG College of Technology, Coimbatore.

5. "Parallel Algorithm for Matrix Inversion on PVM" in National Seminar on "Mechatronics for Productivity and Quality" from 06/04/2002 to 07/04/2002 at Lakshmi Narain College of technology (LNCT), Bhopal.

6. "Parallel Algorithm for an Active Partition Data Search on PVM" in National Conference on "Emerging trends in Computer Networking and Data communications" from 19/09/2002 to 20/09/2002 at Krishnammal College of Arts and Science, Coimbatore.

7. "Parallel Algorithm for Dynamic Data Fetch on PVM" in CSI National Convention from 29/10/2002 to 31/10/2002 at J.N TATA Auditorium, Indian Institute of Science, Bangalore.

8. "Parallel formulations of Binary tree construction Algorithm using PVM" in CSI National Convention from 29/10/2002 to 31/10/02 at J.N.Tata Auditorium, Indian Institute of Science, Bangalore.

9. "Mining Multilevel Association Rules" in International Conference on Information Technology: Prospects And Challenges In The 21st Century (ITPC'2003) from

23/05/2003 to 25/03/2003 at Nepal Engineering College, Katmandu, Nepal.

10. "A Framework for Minimal search Data Index : An   Active Partitioned Approach on PVM" in an International Conference on" Software Agents" from 05/09/2003 to 06/09/2003 at Bapuji Institute of Engineering and technology, Davanagere.

11. "Fast Algorithms for Mining Multilevel Association rules" in an International Conference on "IEEE TENCON 2003" from 14/10/2003 to 17/10/2003 at Hotel Taj Residency, Bangalore.

12. "New scheme for Mining Association rules in large relational tables" in an International Conference on "Recent trends and New Directions of Research in Cybernetics and Systems Theory" from 01/01/2004 to 03/01/2004 at Institute of Advanced Study in Science and Technology, Guwahati.

13. "A simple Algorithm for Minimal search data Index: Active partitioned data search using PVM" in an Advanced International Academic Open Internet Journal Vol.12 (June'2004).

14. "Dynamic data fetch: An efficient Algorithm for query processing in large databases using Association rules" in an Advanced International Academic open Internet Journal Vol.12 (June'2004).

15. "Analysis of sentences for syntactic validity" in an Advanced International Academic Open Internet Journal Vol.13 (Nov'2004).

16. "Test suite reduction using modified condition based test selection in regression testing" in an International Conference on Current trends of Information technology from 01/10/2005 to 03/10/2005 at S.R.K.R.Engineering College, Bhimavaram, Andhra Pradesh, India.

17. "Finding Implications and Similarity Rules with Confidence Pruning in High Dimensional Data: A Review" in an International Conference on Information Security (ICIS'05) from 07/12/2005 to 09/12/2005.pp.16-18, at Pondicherry Engineering College, Pondicherry, India.

18. "Efficient Test case generation using Spanning Set and guaranteed Coverage adequacy using MC/DC in regression testing" in an International Conference on "Systemics, Cybernetics, Informatics" (ICSCI'2006) from 04/01/2006 to 08/01/2006 at Pentagram Research Centre,Hyderabad,India.

19. "Efficient Mining of Frequent Closed itemsets with Confidence Pruning Technique - A Review" in National Conference on Advanced Computing (NCAC'06) from 10/02/2006 to 11/02/2006 at Madras Institute of Technology, Anna University, Chennai, India.

20. "Coverage Adequacy for Test Selection Minimization using MC/DC in regression

testing" in an International Conference on Embedded Systems, Mobile Communication and Computing (ICEMC) from 4 to 5th August 2006 at PESIT, Bangalore.

21. "Compensation Based Grid Scheduling" in an Annual India Conference (IEEE INDICON'06) from 15th –17th September'2006 at Habitat Center, New Delhi.

22. "Incentive Driven Grid Scheduling" in an International Conference on Information Technology (CIT'2006) from 18-21st December'2006 at Institute of Technical Education and Research, Bhubaneswar, India.

23. "An Approach for Optimizing Test Case Generation and Reduction of Testing Effort for Coverage Testing" in an International Conference on Systemics, Cybernetics, Informatics"(ICSCI'2007)" from 3-7th January'2007 at Pentagram Research Centre, Hyderabad,India.

24. "Person Identification Technique Using Human Iris Recognition" in National Conference on Current Trends in Soft Computing (NCCTSC'07) from 19-20th January'2007 at Sri Ramakrishna Engineering College, Coimbatore.

25. "Effective Fractal Wavelet Image Coder" in National Conference on Current Trends in Soft Computing (NCCTSC'07) from 19-20th January'2007 at Sri Ramakrishna Engineering College, Coimbatore.

26. "A Robust Face Recognition System Using PCA and Wavelet Analysis" in National Conference on Current Trends in Soft Computing (NCCTSC'07) from 19-20th January'2007 at Sri Ramakrishna Engineering College, Coimbatore.

27. "Alignment of Fingerprint by Maximization of Mutual Information" in National Conference on Current Trends in Soft Computing (NCCTSC'07) from 19-20th January'2007 at Sri Ramakrishna Engineering College, Coimbatore.

28. "Hand Shape Based Human Identification and Verification" in National Conference on Current Trends in Soft Computing (NCCTSC'07) from 19-20th January'2007 at Sri Ramakrishna Engineering College, Coimbatore.

29. "MultiAgent Based Network Management Task Decomposition and Scheduling" in National Conference on Current Trends in Soft Computing (NCCTSC'07) from 19-20th January'2007 at Sri Ramakrishna Engineering College, Coimbatore.

30. "Optimal Test Mirroring (OTM)" in International Journal of Computer Science and Network Security (IJCSNS), Vol.8.No.8, 30th August' 2008.

31. "Distributed Data Access Control Algorithm" in International Journal of Computer Science and Network Security (IJCSNS), Vol.8.No.8, 30th August' 2008.

32. "Typical Endeavor for Disease Analysis - Digital Doctor that predicts and Analyses a disease" in an IEEE International Conference on Emerging Trends in Computing from 08-10th Jan'09 at Kamaraj College of Engineering and Technology, Virudhunagar, Tamilnadu.

33. "Shape prior Information using Curve evolution method at SNS College of Technology, Coimbatore from 05 March'2010.

34. "Level set based Segmentation using Quad tree Representation" at GCT, Coimbatore from 19-20th March'2010.

35. "Knowledge Mining through Tracking User Profiles in Web Sites" at GCT, Coimbatore from 19-20th March'2010.

36. "Image Enhancement Using Mathematical Morphology" at SNS College of Technology, Coimbatore on 05th March'2010.

37. "Morphological Transformations for an Efficient Enhancement of Images"   at GCT, Coimbatore from 19-20th March'2010.

38. "Clustering of Semantic Similarity between Sentences" at GCT, Coimbatore from 19-20th March'2010.

39. "Web Usage Mining: Evolving User Profiles in Web Sites" at Amrita Institute of Technology, Coimbatore from 27th March'2010.

40. "Extended Gradient Descent method for privacy Preservation" in an International Conference on Information Communication &Embedded Systems from 23-24th Feb'2011 at S.A.Engineering College, Chennai

41. "An Approach for Measuring Semantic Similarity between Words using Association Rule Mining" in an International Conference on Information Communication & Embedded Systems from 23-24th Feb'2011 at S.A.Engineering College, Chennai.

42. "Optimized Max Min Approach for Hiding Frequent Itemsets" in an International Conference on Information Communication &Embedded Systems from 23-24th Feb'2011 at S.A.Engineering College, Chennai.

43. "A renovated idea on Minimum Spanning Tree-based Clustering Algorithm" in an International Conference on Wireless Computer Networks 4-5th March'2011 at Kamban Engineering College, Tiruvannamalai

44. "Accurate and Fast Segmentation for Iris Biometrics by Pruning EES Algorithm" in an International Conference on Wireless Computer Networks 4-5th March'2011 at Kamban Engineering College, Tiruvannamalai.

45. "Dynamic Decentralized File Replication and Polling Algorithm for P2P System" in National Conference on Recent Advances in Computer Vision & Information Technology (NCVIT'11) on 7th March'2011 at Government College of Technology, Coimbatore.

46. "Privacy Preservation in Multi Part using Extended Gradient Descent Method" in National Conference on Recent Advances in Computer Vision & Information Technology (NCVIT'11) on 7th March'2011 at Government College of Technology, Coimbatore.

47. "Accurate and Fast Segmentation for Iris Biometrics by PP Method" in National Conference on Recent Advances in Computer Vision & information Technology (NCVIT11) on 7th March'2011 at Government College of Technology, Coimbatore.

48. "Optimizing File Replication and Consistency Maintenance in P2P System using Priority Based Polling Strategy" in International Journal of Computer Science, Systems Engineering and Information Technology,4(1), pp.41-44, March'2011.

49. "Iris Segmentation Algorithm for Iris Biometrics by EES, PP Method and Mahalanobis distance" in an International Conference on Recent Trends in Information Technology (ICRTIT 2011), 3 - 5 June 2011at Madras Institute of Technology, Anna University, Chennai.

50. "Topic Detection using Classification (Web Based)" in an International Conference on Futuristic Trends in Computer Science Engineering and Technology from 28 - 29th Jan 2012 at Thiruvalluvar College of Engineering and Technology, Vandavasi, Tamilnadu.

51. "Semantic similarities of sentences using Framenet an Wordnet" in an International Conference on Futuristic Trends in Computer Science Engineering and Technology from 28 - 29th Jan 2012 at Thiruvalluvar College of Engineering and Technology, Vandavasi, Tamilnadu.

52. "Application of Weighted Quantum Particle Swarm Optimization to Association Rule Mining" in an International Conference on Information, Communication and Embedded systems from 24th and 25th Feb' 2012 at S.A Engineering college, Chennai, Tamilnadu.

53. "SVM Classifier for surveillance under night time video scenes" in an International Journal of Computer Science and Information Technology & Security (IJCSITS), ISSN: 2249-9555, Vol:2. No.1, 2012.

54. "Dropping False Packet to Increase the Network Lifetime of Wireless Sensor Network using EFDD Protocol" in an International Journal (**Springer**)on Wireless Personal Communications on 25th July 2012.

55. "Efficient Migration - A Leading Solution for Server Consolidation" in an International *Journal of Computer Applications* 60(18):10-14, Published by Foundation of Computer Science, New York, USA. December 2012.

56. "Virtual Machine Placement in Virtualized Cloud" in an International *Journal of Computer Engineering and Technology (IJCET) Vol.3. Issue 3,* December 2012*.*

57. *"Classification and Prediction of False Positive candidate Specifications to improve specification Mining" in an* International Conference on Computer Science and Information Technology on 17th February'2013, Coimbatore.

58. "A Topic Summarization using Ontology based content Anatomy Approach" in an International Conference on Advanced Computing, Machines and Embedded Technology on 8th March'2013 at JKKN College of Engineering,Komarapalayam.

59. "Anonymization of Graph Clustering on Social Networks" in an International Conference on Advanced Computing, Machines and Embedded Technology on 8th March'2013 at JKKN College of Engineering,Komarapalayam.

60. "Resource Optimization using Virtual Machine Swapping" in an International Conference on 21st March'2013 at Noorul Islam University, Kumarakoil

61. "Virtual Machine Incorporated Sharing Model for Resource Utilization" in an International Conference on Advances in Information Technology and Mobile Communication on 26th April'2013, Bangalore.

62. "Resource Allocation using Virtual Machine Migration: A Survey" in an International Conference on Advances in Information Technology and Mobile Communication on 26th April'2013, Bangalore.

63. "Information Retrieval using Term Frequency Weight" in an International *Journal of Association for the Advancement of Modelling and Simulation Techniques in Enterprises (**AMSE**), April'2013.*

64. "Information Retrieval using Second order Co occurrence PMI" in an International *Journal of Information Technology & Computer Science (IJITCS) Vol.9 Issue 3, May / June''2013.*

65. *"An Integrated Approach for Measuring Semantic Similarity Between Words and Sentences Using Web Search Engine" in an International Journal of Information Technology & Computer Science (IJITCS) Vol.9 Issue 3, May / June''2013.*

66. "Nanotechnology Integrated Routing Protocol Design for MANET based Collision Molecular Communication" in an International *Journal of Information Technology & Computer Science (IJITCS) Vol.9 Issue 3, May / June''2013.*

67. "SCT Based Adaptive Data Aggregation for Wireless Sensor Networks", in an International Journal (**Springer)** on Wireless Personal CommunicationsVolume 75, Issue 4 (2014), Page 2121-2133.

68. "Extended Scrum Method of Agile Practice for Small Scale Project Development" in an International Conference on Engineering, Technology and Science from 10-11th February'2014, Rasipuram.

69. "Annotating Multiple Web Databases using SVM" in an International Conferenceon Global Innovations in Computing Technology (ICGICT'14) from 6 - 7th March'2014 at Jay Shriram Group of Institutions, Tirupur.

70. "Ontology based Clustering in Research Project Selection and assign Proposals to Experts by Ontology Matching" in an International Conference on Trends in Technology for Convergence (TITCON'14) from 8-9th April'2014 atAVS Engineering College, Salem.

71. "User Search Goals Inference and Feedback Session using FG-FCM" in an International Conference on Trends in Technology for Convergence (TITCON'14) from 8- 9th April'2014 atAVS Engineering College, Salem.

72. "Clustering Research Project Proposals and Proposal Assignment to Experts using Ontology" in an IEEEInternational Conference on Advances in Engineering from 2-3rd May'2014 atE.G.S.Pllai Engineering College, Nagapattinam.

73. "An Efficient Information Retrieval System Using Query Expansion and Document Ranking" in an International Journal of Theoretical and applied Information Technology, Vol: 63, No.1, 10th May 2014.

74. "Data Transmission through Nano Machines using the Clustering Tree for Mobile Adhoc Network" in an International Journal of Engineering and Technology (IJET), Vol:6 No2 Apr-May 2014.

75. "Performance Analysis on Graph Based Information Retrieval Approaches" in an International *Journal of Association for the Advancement of Modelling and Simulation Techniques in Enterprises (**AMSE**), Sep'2014.*

76. *"An Intelligent Approach to* Information Retrieval System Using Enhanced DIG and FP-tree Techniques" in the Journal of Computer Engineering **(IOSR-JCE)**, Sep-Oct, 2014.

77. *"Typical Genomic Frame work on Disease Analysis" in an* International Journal of Research in Computer Science, Volume 4,Issue 5: pp. 11-15, *Dec'2014*.

78. "Lifetime Maximization Technique Using Light Weight Memory Sharing Scheme of Nano Machines for Data Transmission in MANET" in an International *Journal of*

*Association for the Advancement of Modelling and Simulation Techniques in Enterprises (**AMSE**), Dec'2014.*

79. *Detecting and Resolving Privacy Conflicts in Online Social Networks using AC2P Protocol" in an IEEE 2ndInternational Conference on Knowledge Collaboration in Engineering at Kathir college of Engineering, Coimbatore on 27-28th March'2015.*

80. "A Vocabulary Independent Query Processing Mechanism with Effective Entity Recognition & Disambiguation for Linked Data" in an International Conference on Advancements in Computing and Communication Technologies (ICACCT'15)atAnna university ,BIT Campus, Tiruchirappalli, from 10-11 April' 2015.

81. *"Test Suite Reduction Based on Fault Detection with Cost Optimization" in an* International Conference on Computing and Intelligence Systems at Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.from 17-18, April' 2015.

82. "An Enhanced Suffix Tree Approach to Measure Semantic Similarity between Multiple Documents" in anIOSR Journal of Computer Engineering Volume 17, Issue 2, Ver. IV. PP 32-41. (Mar–Apr. 2015).

83. "A Novel refactoring Approach to remove the Smells Present in Programming Languages" in an International Conference on Computational Systems for Health & Sustainability" at R.V.College of Engineering, Bangalore from 17-18, April' 2015.

84. "A Comprehensive Survey on Topic and Subtopic Detection" in an International *Journal of*International Journal of Applied Engineering Research, Vol. 10 No.51 (2015).

85. "Multiple Fuzzy Correlated Pattern Tree Mining using Minimum Item All Confidence Thresholds" in the Fifth International Conference on Fuzzy and Neural Computing at Institute for Development and Research in Banking Technology,Hyderabadfrom 17-19, December' 2015.

86. "Sentence Level Sentiment Analysis using Efficient Machine Learning Algorithms" in an International conference on Recent Trends in Engineering & Technology at St. Joseph's Institute of Technology, ChennaiFrom 28-29, April' 2016.

87. "An Efficient Approach for Representing High Utility Itemset from Temporal Database" in an International conference on Recent Trends in Engineering & Technology at St. Joseph's Institute of Technology, ChennaiFrom 28-29, April' 2016.

88. "Detecting Irregular Fuzzy Coherent Rules in a Predefined Taxonomy" in an International conference onIEEE TENCON2016 at marina Bay Sands Singapore from 22-25, November' 2016.

89. "Mining a Complete Set of Fuzzy Multiple Level Coherent Rules" in an Asian Journal of

Information Technology, 15(18):3441-3448, 2016.

90. "Mining Generalized Positive and Negative Intercross Fuzzy Multiple Level Coherent Rules" in Journal of Intelligent and Fuzzy Systems (**Springer)**, 2016.

91. "A Novel Approach in Mining Specialized Coherent Rules in a Level Crossing Hierarchy" in International Journal of Fuzzy Systems (**Springer)**, 2016.

92. "An Efficient Video Based Traffic Surveillance System Using Hybridized ABS-ICA Methodology with the Concern of Noise" in an International *Journal* of Printing, Packaging & Allied Sciences, Vol. 4, No. 6, December 2016.

93. "Harmony search based feature extraction and tracking using Hybrid Fuzzy Neural Network (HFNN) for video traffic surveillance" in an International Conference on Advanced Computing and Communication Systems (ICACCS -2017), Jan. 06 – 07, 2017, Coimbatore.

94. "Designing preprocessing framework (ERT) for text mining application" in an International Conference on IoT and Application (ICIOT)from 19-20, May'2017, Nagapattinam.

95. "Video-based Traffic Surveillance with Background Subtraction for Object Detection and Feature Extraction in an International Journal of Current Engineering and Scientific Research, 2017.

96. "Topic Detection using Spider Hunting Algorithm" in an International Journal of computational and theoretical nano science, April' 2018.

97. "Efficient detection of text data topic and tracking system based on enhanced spider hunting techniques ESH" inan International *Journal*Taga Journal of Graphical Technology, May'2018.

98. "A versatile approach for dental age estimation using fuzzy neural network with teaching learning – based optimization classification" in an International *Journal* (**Springer)**of Multimedia Tools Applications, .4th August' 2018.

99. "Efficient moving vehicle detection for intelligent traffic surveillance system using optimal probabilistic neural network" " in an International *Journal* (**Inderscience)**of Business Intelligence and Data Mining, 2018.

100. "Predictive Analysis for identifying the relationship between forest cover and Tiger population", in the First International Conference on Science, Technology, Engineering and Management from 10th to 12th June 2018, Kumaraguru College of Technology, Coimbatore.

101. "A New Fuzzy Adaptive Kalman Filtering (FAKM) and Fuzzy Inference Mechanism (FIM) for Video-based Traffic Surveillance Analysis" in an Journal of Advanced Research in Dynamical & Control Systems,June'2018

102. "Regional Blood Bank count analysis using Unsupervised Learning Techniques" in an International Conference for Phoenixes on Emerging Current Trends in Engineering and Management at Panimalar Engineering College, Chennai, 22nd March"2019.

103. "Complex Urban Surveillance by tracking and detection of Vehicles" in JASC: Journal of Applied Science and Computations, June'2019.

104. "An automatic moving Vehicle Detection System based on Hypothesis Generation and Verification in a traffic surveillance system' in an International Journal of Vehicle Information and Communication Systems **(Inderscience)**, Nov'2019.

105. "In Text Mining: Detection of Topic and Sub-Topic using Multiple Spider Hunting Model" in an International Journal of Ambient Intelligence and Humanized Computing **(Springer)**, Nov'2019.

106. "Non-Small-Cell Lung Cancer Prediction using Radiomic Features and Machine Learning Methods" in an International Journal of Computers and Applications **(Taylor and Francis)**, 2019.

107. "Lung Cancer Prediction Using Stochastic Diffusion Search (SDS) Based Feature Selection and Machine Learning Methods" in an International Journal of Neural Processing Letters **(Springer)**, 2020.

108. "Optimal Feed Forward Neural Network based automatic moving Vehicle Detection System in Traffic Surveillance System", in an International *Journal* of Multimedia Tools Applications **(Springer)**, 2020.

109. "Psychiatric Counselling System with Emotion Recognition in Chatbots" in an AICTE sponsored Fourth International Conference on Green, Intelligent Computing and Communication Systems (ICGICCS'20) from 05th to 6th March 2020.

110. "Comparison of Dimensionality Reduction Techniques using Chronic Kidney Disease Dataset" in an AICTE sponsored Fourth International Conference on Green, Intelligent Computing and Communication Systems (ICGICCS'20) from 05th to 6th March 2020.

111. "Multiclass Normalized Clustering and Classification Model for Electricity Consumption Data Analysis in Machine Learning Techniques" in an International Journal of Ambient Intelligence and Humanized Computing **(Springer)**, April 2020.

112. "A modified Machine Learning Classification for Dental Age Assessment with Effectual ACM-JO based Segmentation" in an International Journal of Bio inspired Computation **(Inderscience)**, August'2020.

113. "Improved Local Fisher Discriminant Analysis based Dimensionality Reduction for Cancer Disease Prediction" in an International Journal of Ambient Intelligence and Humanized Computing **(Springer)**, Sep' 2020.