

Dr. N.Sujatha M.C.A.,M.Phil.,Ph.D
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EDUCATION QUALIFICATION			
Degree	Branch	Institution	Year
B.Sc	Physics	Sri Meenkshi Govt College for Women(A), Madurai	1996
M.C.A	Computer Applications	Thiagarajar College of Engg, Madurai	1999
M.Phil	Computer Science	Madurai Kamaraj University, Madurai	2004
Ph. D	Computer Science	Madurai Kamaraj University, Madurai	July 2011

EXPERIENCE			
Name of the Organization	Period	Affiliated University	Designation
Madurai Kamaraj University	15 June 2001-25 Dec 2007	M.K. University, Madurai	Guest Lecturer
M.V.M. Govt. Arts College (W), Dindugul	26 th Dec 2007 to 2010	Mother Teresa Women's University, Kodaikanal	Asst. Professor
R.D. Govt. Arts College, Sivagangai	02 nd July 2008 to 10 th Aug 2012	Alagappa University, Karaikudi	Asst. Professor
Sri Meenakshi Govt. Arts College(A), Madurai	05-10-2017 till date	Madurai Kamaraj University	Asst. Professor

Publications

JOURNALS	
1.	Intelligent Transport Route Planning Using Parallel Genetic Algorithms, And MPI In High Performance Computing Cluster,. International Conference on Advanced Computing and Communications, IIT Guwahati, DOI IO.1109/ADCOM. 2007.76,IEEE e-Journal, May-2007.
2	Improved Fuzzy C-Means Clustering of Web Usage Data with Genetic Algorithm, CiiT International Journal of Data Mining and Knowledge Engineering, Vol 1, No 7, pp 302-312, October-2009.
3.	Refinement of Web Usage Data Clustering from K-means With Genetic Algorithm, European Journal of Scientific Research, 2010. Vol 42, Issue 3, pp 478-490.
4.	Algorithm to Improve the Cluster Quality using Genetic Algorithm, Research Journal of Computers Engineering. Vol 02, Issue 04; July-September 2011 Research Journal of Computer Systems Engineering-RJCSE, ISSN: 2230-8563; e-ISSN-2230-8571
5.	A Comparative Analysis of ETL and Hyper ETL International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) Volume 2, Issue 6, November – December 2013 ISSN 2278-6856
6.	Image Compression Using MH Encoding". International Journal of Computer Trends and Technology (IJCTT) V13(2):68-71, July 2014. ISSN:2231-2803
7.	Comparative Studies of Various Clustering Techniques and Its Characteristics”, Int. J. Advanced Networking and Applications, Volume: 5 Issue: 6 Pages: 2104-2116 (2014) ISSN : 0975-0290,
8.	Land Cover Classification using GA based Fuzzy Clustering Techniques for Remotely sensed Data”, International Journal of Computer Science information and Engg., Technologies ISSN 2277-4408 01122014-005 IJCSIET-ISSUE4-VOLUME3-SERIES3, December 2014.
9.	Refinement of land cover classification of satellite images using GA based k-means clustering algorithm. “International Journal of Multidisciplinary Research and Development” Volume :2, Issue :4, 406-409 April 2015 , e-ISSN: 2349-4182, p-ISSN: 2349-5979
10.	A novel approach of detection and classification of Apple fruit based on complete local binary patterns “International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE) “ Volume 5, ISSN: 2277 128X page:1348-1353 Issue 4 April 2015

11. Performance Investigation on Lossy Still Image wavelet Compression using different wavelet filter functions “International Journal of Computer Science & Engineering Technology (IJCSET)” “ ISSN : 2229-3345 Vol. 6 No. 06 Jun 2015
12. Image Compression using DCT, Fractal and Run length Encoding “ International Journal of Computer Science Engineering (IJCSE) “ Volume 4. No.04 ISSN: 2319-7323 July 2015.
13. Identification of the Difference between the images using segmentation method “ International Journal of Computer Science Engineering (IJCSE) “ Volume 4. No.04 ISSN: 2319-7323 July 2015.
14. A Review of different types of clustering Algorithm and analysis “ International Journal of Innovative Research in Compute and Communication Engineering (IJRCCE)” Vol.4, Issue 3, March 2016 , DOI:10.15680/JRCCE 2016.0403268.
15. Frame work of Classification Algorithms “ International Journal of Innovative Research in Compute and Communication Engineering (IJRCCE)” Vol.4, Issue 3, March 2016 , DOI:10.15680/JRCCE 2016.0403268.
16. Review on Image Segmentation “ International Journal of Innovative Research in Compute and Communication Engineering (IJRCCE)” Vol.4, Issue 3, March 2016 , DOI:10.15680/JRCCE 2016.0403268.
17. A Review different classification Techniques “ International Journal of Innovative Research in Compute and Communication Engineering (IJRCCE)” Vol.4, Issue 3, March 2016 , DOI:10.15680/JRCCE 2016.0403268.
18. Brain Tumor Segmentation Based on various Classification Algorithm, “ Journal of Network communications and Emerging Technologies(JNCET)” Vol 6,Issue 7, ISSN: 2395-5317 July 2016 . EverScience Publications.
19. Performance Analysis of GFE,HOG and LBP feature Extraction Techniques using KNN Classifier for Oral Cancer Detection , “ Journal of Network communications and Emerging Technologies(JNCET)” Vol 6,Issue 7, ISSN: 2395-5317 July 2016 . EverScience Publications.
20. Comparative Analysis of Various Classification Algorithms for Skin Cancer Detection “ International Journal of Emerging Technologies in Engineering Research (IJETER) “ Volume 4, Issue 7, ISSN: 2454-6410 July 2016. EverScience Publications.
21. Performance Analysis of Various Classification Algorithms for Lung disease detection using Genetic Algorithm “ International Journal of Emerging Technologies in Engineering Research (IJETER) “ Volume 4, Issue 7, ISSN: 2454-6410 July 2016. EverScience Publications.
22. Comparative studies of various classification techniques and its characteristics “

Journal of Emerging Technologies and Innovative Research (JETIR)", Vol. 4, Issue 2, ISSN: 2349-5162 February 2017.
23. Survey on various Image Segmentation Techniques“ Journal of Emerging Technologies and Innovative Research (JETIR)", Vol. 4, Issue 2, ISSN: 2349-5162, February 2017.
24. Performance analysis of various Segmentation Techniques “ Imperial Journal of Interdisciplinary Research “ Vol -3 , Issue-2, ISSN 2454-1362.2017.
25. An Empirical Comparison of various Classification techniques “ Imperial Journal of Interdisciplinary Research “ Vol -3 , Issue-2, ISSN 2454-1362, 2017
26. An Analysis of Fruit Detection and Yield Estimation Using on Tree Image “International Journal of Scientific Research and Management (IJSRM) “ Vol-5 , Issue -7 , ISSN(e) : 2321-3418, July 2017
27. Analysis and Detection of weeds in Agricultural Area using various Image Segmentation Algorithm”, Vol-5 , Issue-7, ISSN 2347-3878 , July 2017.
28. Comparative Analysis and Detection of Leaf Disease for Agricultural purpose using various Image classification Algorithms “ International Journal of Current Advanced Research”, Vol-6, Issue-7, ISSN p 2319-6505, July 2017.
29. Recognition of Fruits using Multiple Features with Neural Classifier ,” Asian Journal of Computer Science and Information Technology”, vol-7, ISSN 2249-5126 , July 2017.
30. Android App For Websites “ International Journal of Arts , Science and Humanities”, Vol-5, special Issues- 2, ISSN-2321-788X, February 2018
31. A Review on Big Data Recommendation system, Websites “ International Journal of Arts , Science and Humanities”, Vol-5, special Issues- 2, ISSN-2321-788X, February 2018

CONFERENCES

1. Intelligent transport route planning using minimum gap generation genetic algorithm . National Conference on Mathematical and Computational Models, PSG College of Technology, Coimbatore, December-2007
2. A Survey of OODB Clustering Algorithm for XML Databases.National Conference on Information Management, Thiagarajar College Of Engineering, December 2007
3. A Comparative study of Route Optimization methods in Intelligent Transportation

Application - National Conference on Information Management Thiagarajar College Of Engineering , December-2007
4. A Genetic Algorithm Based Clustering for Effective Nearest Neighbour selection - National Conference on Recent Trends in Advanced Computing, April- 2008 .Thiagarajar School of Management Madurai.
5. Application of Genetic Algorithms for Optimisation in Data Mining - National Conference on Emerging Trends in Business Strategies and Information Systems – RTAC - November - 2008 .Thiagarajar School of Management Madurai.
6. Statistical Method based Initial Centroid Selection for K-means Clustering - International Conference on Advance Computing - ICAC-09 August 2009. Cauvery College for Women, Trichy, Tamilnadu, India
7. Effiecient K-Means Clustering Techniques for improving the web Data – National Conference on Emerging Trends in Computational Science and its Applications 2010. V.S.S.Government Arts College, Poolankuruchi. Sivagangai.

SPONSORED RESEARCH				
S.No	TITLE	SPONSORING AGENCY	AMOUNT	RESPONSIBILITY
1.	Land Cover Classification of Remotely Sensed Data Using GA based Clustering Techniques-A Case Study of Theni Region.	UGC Hyderabad	Rs.90,000/-	Principal Investigator
2.	Evolutionary approach for Land cover classification using GA based Fuzzy Clustering Techniques	Tamil Nadu State Council for Higher Education	Rs.1,00,000/-	Principal Investigator

SEMINARS ATTENDED			
S.No	TITLE	SPONSORING AGENCY & INSTTUTION	DATE
1.	Business Intelligence	IBM Sponsored National level 2 Day Workshop , Thiagarajar College of Engineering, Madurai	17 th -18 th Sep 2007
2.	Applied Soft Computing	National Seminar – M.V.M.College , Dindigul	25 th Feb 2010
3.	Satellite Image Processing with MATLAB	TEQIP-II Sponsored 2 days National workshop – Thiagarajar College of Engineering, Madurai	4 th – 5 th April 2014
4.	Artificial Intelligence and the Future of IT in Machine Learning Age	Sri Meenakshi Govt Arts College for Women(A) ,Madurai	1 st April 2019

WORSHOP ATTENDED			
S.NO	TITLE	SPONSORING AGENCY & INSTTUTION	DATE
1.	Intelligent Miner	Thiagarajar College of Engineering Madurai	
2.	Recent Trends in Computer Science	M.V.M Govt Arts College Dindigul	
3.	Research Trends in Machine Learning	Lady Doak College, Madurai	28 th September 2018

SEMINARS PRESENTED
1. Improving Web Data Clustering from K-Means with Genetic Algorithm in Department of Microprocessor and Computer, School of Physics, Madurai Kamaraj University, Madurai.

LECTURES DELIVERED

1. Delivered a Guest Lecture on Data Mining in S.V.N. College Madurai.
2. Delivered a Guest Lecture on Genetic Algorithm in S.V.N. College Madurai.
3. Delivered a Guest Lecture on Genetic Algorithm and its applications in Govt. Arts College for women Sivagangai.
4. Delivered a Guest Lecture on Clustering Techniques in S.R.N.M College Sattur.
5. Delivered a Guest Lecture on Image Processing in Ambiga College Madurai.

M.Phil Guidance/Supervisorship

Total Number of M.Phil Scholars Completed – 16

Total Number of M.Phil Scholars Ongoing - 1

Members in Organization

1. University Nominee in Board of studies for B.Sc Animation in RL Institute of Nautical Science, Madurai
2. University Nominee in Board of studies for M.C.A in VVV College of Arts and Science for Women, Virudhunagar
3. Member in Board of Studies for M.C.A in Madurai Kamaraj University, Madurai
4. Member in Board of Studies for M.C.A, Sri Meenakshi Govt Arts College, Madurai.
5. Member in Board of Studies for M.Phil in Alagappa University, Karaikudi
6. U.G. Board Chief Examiner- Alagappa University, Karaikudi.
7. P.G Board – Examiner – Alagappa University, Karaikudi.
8. M.Phil – Examiner – Alagappa University, Periyar University, Madurai kamaraj university.

OTHER RESPONSIBILITIES

1. Programme Officer, NSS, M.V.M Govt Arts College, Dindigul.
2. Placement Officer, M.V.M Govt Arts College, Dindigul.

INDUSTRIAL EXPERIENCE

1. Worked as a programmer for Pioneer Internet Pvt. Ltd from May 1999 to June 2000 and developed Websites for various organizations.