

BIODATA

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Objective

- To strive for academic excellence and impart quality education with emphasis on Computer Science & Applications.
- To pursue a versatile and goal oriented career in my specialized area using my skills for the development of the organization and grow myself along with the organization.

Summary

20 + years of teaching experience in various subjects in the field of Computer Science and Applications.

Ph.D Thesis: Feature Selection and Classification of Microarray Data with Integrated Approaches, May 2014.

Number of Research Papers Published : 10

Number of M.Phil Produced: 8

Number of Ph.D. Scholars Applied: 4 (Guiding).

Total Teaching Experience:

Sl.No.	College	From	To	No of Years
1	NGM College , Pollachi	29.12.2017	Till Date	1+ Year
2	Hindusthan College of Arts and Science Coimbatore	13.06.2005	28.12.2017	12+Years
3	Sree Narayana Guru College of Arts and Science,Coimbatore	Dec 1997	May 2005	7+Years

Academic Qualifications:

Sl.No.	Exam Passed	Board/University	Subject	Year
01	Ph.D	Avinashilingam Deemed University, Coimbatore	Computer Science	2015
02	M.Phil	Mother Teresa Women's University, Kodaikanal	Computer Science	2002
03	M.Sc	Avinashilingam Deemed University, Coimbatore	Computer Science	1997
04	B.Sc	Avinashilingam Deemed University, Coimbatore	Computer science	1995

List of Journals

- Published "Constructing Models From Microarray Data With Swarm Algorithms", International Journal of Computer Science and Information Security, (IJCSIS), Dec 2010, Vol. 8, No. 9, pp 237-242, ISSN:1947-5500, Impact Factor-1.2
- Published "A Comparative Performance Study On Hybrid Swarm Model For Micro Array Data", International Journal of Computer Applications (IJCA), Sept 2011, Vol. 30, No.6, pp 10-14, ISSN: 0975 – 8887, Impact Factor-0.814.
- Published "A Hybrid Metaheuristic Algorithm For Classification Using Micro Array Data", International Journal of Scientific & Engineering Research (IJSER), Feb 2012, Volume 3, Issue 2, ISSN 2229-5518, Impact Factor- 1.4.
- Published "Classification Of Normal And Abnormal Retinal Images Using Neural Networks", International Journal of Advanced Research in Computer Engineering & Technology, Vol: 3, Issue: 9, PP: 3111-3115, September 2014.
- Published "Identifying True vessels using Krisch Edge Segmentation", COMPUSOFT- An International Journal of Advanced Computer Technology, August 2014, Vol: 3, Issue: 8, ISSN:2320-0790, PP:1053-1058
- Published "Multicast Routing in Manet and Performance Meauuurents of Multicast Routing Protocol.", International Journal for Research in Science, Engineering and Technology, Vol:1, Issue:3, ISSN 2394-739X, PP:1-7, May 2015, Impact Factor : 0.833.

- Published “Multicast in Manet Using the best effective Protocols”, International Journal for Research in Science, Engineering and Technology, August 2015, Vol:2,Issue:6,ISSN 2394-739X,PP:48-54, Impact Factor:0.833 .
- Published “Survey on Data Mining Algorithms to Predict Leukemia Types”, International Journal for Research in Science, Engineering and Technology, August 2015, Vol:2,Issue:5,ISSN 2394-739X,PP:42-46, Impact Factor : 0.833.
- Published “Genetic Mining of Leukemia Using Microarray Classified Data”, International Journal for Research in Science, Engineering and Technology, March 2016, Vol:3,Issue:3,ISSN 2394-739X,PP:31-37,Impact Factor :0.833.
- Published “Classification of Microarray Data Based on Different Data Classifier Approaches” International Journal for Research in Science, Engineering and Technology, January 2017, Vol:4, Issue: 1, ISSN 2394-739X, PP: 27-33, Impact Factor 0.833.
- Dr.Aruchamy Rajini and S.Sathish Kumar published “A Review of Semantic Analysis Methods in Social Media Data”, Journal of Advanced Research in Dynamical & Control Systems, Vol:10,12 – Special Issue 2018,ISSN 1943-023X

List of Conferences

- National Conference on Emerging Trends in Computer Science (NCETCS’ 09), Avinashilingam University for Women, 13th March 2009.
- Presented Paper titled “Classifiers for Gene Microarray Data Analysis” in Proceedings of the National Conference on Advanced Computing Technologies (NCACT-2010), Avinashilingam University for Women,19th February 2010.
- Presented Paper entitled “Performance Evaluation of a Swarm Model from Microarray Data ” in AICTE Sponsored National Conference on “Scientific Computing and Applied Mathematics”, VLB Janakiammal College of Engineering and Technology, Kovaipudur, Coimbatore-42, on 29th and 30th June 2011.
- Presented Paper titled “An Effective Hybrid Model for Microarray Data” in International Conference on Advanced Computing Technology (ICACT 2011), IEEE MP Subsection, IEEE Computer Society Bombay Chapter, CSI Indore Chapter, J.K.K. Nattraja College of Engineering and Technology on 29th and 30th July 2011.
- Presented Paper titled “Swarm Optimization and Flexible Neural Tree for Microarray Data Classification”, Proceedings of the Second International Conference on Computational Science, Engineering and Information Technology, CCSEIT '12, 26.10.2012 to 28.10.2012, Publisher: ACM.

- Participated in Second International Conference on “Computer Applications and Information Technology” (CAIT 2013), PG & Research Department of Computer Applications, Hindusthan College Of Arts and Science, 17.12.2013.
- Presented Paper entitled “Strength of High Performance Concrete by Practical Replacement of Natural Sand Using M-Sand “in National Conference on Information and Image Processing, Sankara College of Science and Commerce, 27th February 2015.
- Participated in UGC & DST-CURIE sponsored International Conference on “SMAC – Reshaping the future “Department of Computer Science, Avinashilingam Institute for Home Science and Higher Education for Women, 9.2.2018.
- Dr. Aruchamy Rajini and S.Sathish kumar presented and published the Research Paper titled “ An Efficient sentimental Analysis for Twitter using Neural Network based on RMSPROP “ in the International Conference on Computational Intelligence and Data Science organized by Department of Computer Studies, Sankara College of Science and Commerce , 10th October 2018.

List of Seminars

- State Level Seminar IT Feast 2003 on “Developments and Career Opportunities in IT Industry” Avinashilingam Deemed University, February 11, 2003.
- Presented Paper titled “Call Centre : a Call for Global Era” in National Level Seminar on “Global Competitiveness of Indian Industries”, ONGC Ltd sponsored, E.G.S.Pillay Engineering College, Nagapattinam, 27th March 2004.
- Presented Paper titled “Data Mining : Mining Beyond the World” in National Level Seminar on “Global Competitiveness of Indian Industries”, ONGC Ltd sponsored, E.G.S.Pillay Engineering College, Nagapattinam, 27th March 2004.
- Participated in One Day International Seminar on “Information Security”, Avinashilingam University for Women, 14th December 2009.
- Participated at Research Convention on “Research Ethics & Post Research Perspectives”, Avinashilingam Institute for Home Science and Higher Education for Women, on 10.08.2011 & 11.08.2011.
- Participated in International Seminar on “Intelligent Web Technologies” ISIWT (2012), Hindusthan College of Arts and Science, Coimbatore, on Feb 6th 2012.
- Two day UGC Sponsored National Seminar on “Computational Intelligence – A Research Perspective .”, Avinashilingam Institute for Home Science & Higher Education for Women, Coimbatore, February 21 & 22,2013.

- One Day International Seminar on “Mobile Computing & E-Governance” , Hindusthan College of Arts & Science, 26th July 2017.
- Dr. Aruchamy Rajini and Sathish kumar presented a paper titled “ An Efficient sentimental Analysis for YouTube using Deep Learning “ in the National Conference on Modern Mathematical Science and its Applications organized by Department of Mathematics(CA), SNMV College of Arts and Science , 9th January 2019.

Workshop Attended

- Two days National Workshop on “MATLAB (Image Processing & Neural Networks)”, Dwarka Doss Goverdhan Doss Vaishnav College, Chennai on 24.01.2009 ,25.01.2009.
- One Day Workshop on “Open Source Tools and Data Mining Research”, Dr.N.G.P Arts & Science College, August 8th 2009.
- One Day Workshop on “MATLAB-A Tool for Research” , School of Information Technology & Science, Dr.G.R.D. College of Science, Coimbatore-14, September 5th 2009.
- Two Day International Workshop on “Bio-Inspired Computing”, Avinashilingam University for Women, on 21.12.2009, 22.12.2009.
- Two Day Workshop on “Path Finder-Explore, Experiment, Elucidate Research: A Colloquium-2010”, Avinashilingam Deemed University for Women, on 22.12.2010, 23.12.2010.
- DST-Curie Sponsored One Day Workshop on “Research in Computer Science and Engineering”, Avinashilingam Institute for Home Science & Higher Education for Women, March 10th 2012.
- One Day Workshop on “Back to the future”, Hindusthan Educational Institutions, Coimbatore, 25th July 2014.

Course Attended

- UGC Sponsored Need Based Refresher Course in Environmental Education(Interdisciplinary) , Bharathiar University, UGC -Academic Staff College, Coimbatore-46, 26/05/2004 to 15/06/2004.

- ISO 9001:2000 Internal Quality Audit Training Program me conducted by GURU BRAMHAA Quality Management Services, Coimbatore.
- Completed BRIDGE COURSE for Computer Science Teachers, February 2001.

Faculty Development Program Attended

- Faculty Development Program on “Appreciative Inquiry- A Positive Approach”, Hindusthan College of Arts and Science, August 25th 2012.
- Faculty Development Program on “Tapping of Research Funds & Classroom Psychology”, Hindusthan College of Arts and Science, 22.09.2012.
- Faculty Development Program on “Multiple Intelligence – Creating Learning Environment and Teaching Methodologies”, PG & Research Department of Applications, Hindusthan College of Arts and Science, 3rd Dec 2013.
- Faculty Development Program on “Communication Skills”, Hindusthan College of Arts and Science, 14.12.2013.

Academic Excellence

- ✓ Acted as a University Representative for Bharathiar University Examinations.
- ✓ Acted as a Question paper Scrutinizer, Question Paper Setting, Internal, External, Viva-Voce, Paper Valuation, for Various Colleges, Autonomous Colleges, and Universities.
- ✓ Acted as Judge for the Paper Presentation Event (a State Level Technical symposium) conducted by VLB Engineering College, Coimbatore.
- ✓ Staff coordinator for the Association of Computer Science in Sree Narayana Guru College.
- ✓ Executive Member of Staff Welfare Club in Sree Narayana Guru College.
- ✓ Programme Committee Member of Intercollegiate Festival in Sree Narayana Guru College.
- ✓ Editor of Department Magazine "Portia" in Sree Narayana Guru College.

- ✓ Convenor of Various Committees for Association Activities in Sree Narayana Guru College.
- ✓ Acted as Judge for Various Events of the college Activities in Sree Narayana Guru College.
- ✓ Member of University Exam Committee in Sree Narayana Guru College.
- ✓ Organized QUIZ Program for Clusters, Department Function in Hindusthan College of Arts and Science.
- ✓ Member of Board of Studies in Hindusthan College of Arts & Science (Autonomous).
- ✓ Acted as External Judge for PG Viva Voce in Avinashilingam Deemed University.
- ✓ Acted as Resource Person in Interview Panel for Sree Narayana Guru College.
- ✓ Participated in DIGIGURU – A NATIONAL TEACHING VIDEO CONTEST – 2017 conducted by ICT ACADEMY.
- ✓ Member of Extra Curricular Activities in Hindusthan College of Arts & Science.
- ✓ Acted as Resource Person in Valedictory function for the Association of Computer Science in Sree Narayana Guru College on 2nd March 2018.
- ✓ Member in Board of Studies in Nirmala College for Women, Coimbatore.
- ✓ Organized Workshop and Seminar in NGM College , Pollachi

Signature