

Name : S. Saranya

Designation : Assistant Professor

Department : Computer Science

Qualification : M. Sc., M.C.A., M. Phil., (Ph. D.)

Experience:

Teaching: 7 Years Industry: Nil Research: 6 Years

Area of Specialization(s) : Big Data Analytics

Email (Official ID) : saranyas@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Science	Nehru Arts and Science College, Coimbatore	Pursuing
M. Phil.	Computer Science	Dr.N.G.P. Arts and Science College	2013
M. C. A.	Computer Applications	Bharathiar University, Coimbatore	2012
M. Sc.	Computer Science	Dr. N.G.P. Arts and Science College, Coimbatore	2011
B. C. A.	Computer Applications	Kongu Arts and Science College, Annamalainagar	2009

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution / University/ Agency	Year
Online Certification	Research Writing	NPTEL	2018

Research Publications (Indexed)

International

- 1) N. Tamil Selvi, S. Saranya, P. Usha, M. Yasodha, **Perception of Tired Blood and its Causes using Mining Techniques**, International Journal of Engineering Sciences & Research Technology, January-2015, ISSN: 2277-9655, (Indexed by Google scholar).
- 2) M. Yasodha, P. Usha, S. Saranya, N. Tamilselvi, **Mining Temporal Sequences using Transform Techniques**, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Issue 12, pp. 691-697, December-2013 ISSN: 2277 128X, (Indexed By Crossref).

- 3) S. Saranya, N. Tamilselvi , P. Usha, M. Yasodha, V. Padmapriya, **Data Mining Techniques in EDM for Predicting the Pupil's Outcome**, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 2, Issue 6, June 2013,ISSN (Print) : 2319-5940ISSN (Online) : 2278-1021, (Indexed by Google scholar).
- 4) P. Usha S. Saranya , N.Tamilselvi, **Prevalance and Risk Factors of Anemia along with Classifiers**, International Journal of Scientific & Engineering Research, Volume 4, Issue 5,pp 2217-223, May-2013, ISSN 2229-5518, (Indexed by Crossref).
- 5) S. Saranya, Dr. K. Nandhini, **ID3 classifier for pupils' Status Prediction**, International Journal of Computer Applications, Volume 57- No 3, November 2012, ISSN 0975-8887. (Indexed by Google scholar, Crossref).

Other Publications: International / National Journals

- 1) S. Saranya, Dr. N. Kavitha, **A Review of Big Data Challenges and Techniques**, CiiT, International Journal of Wireless Communication, Vol 10, No 1, January-2018, Digital Object Identifier: WC012018004.
- 2) S. Saranya, Dr. K. Nandhini, **Comparison OS Decision Tree and ANN Techniques for Data Classification**, International Journal of Emerging Technology and Advanced Engineering, Volume 2, Issue 3, Maech 2012, ISSN 2250-2459.
- 3) S. Saranya, D. Sharmila, A. Kiruthika, K. Saranya, **Teaching Skills - An Enhanced Way**, Proceeding of State Level Conference, December 2011, ISBN 978-1-4507-8489-4.

Presentations in Conference

- 1) **A Review on Big Data Techniques**, International Conference on Research Trends in Computing Technologies(ICRTCT-18), Dr. N.G.P. Arts and Science College, Coimbatore 9 to10 Aug-18.
- 2) **A Review of Big Data Challenges and Techniques**, International Conference on Innovations in Computer Science and Information Technology (ICICSIT'18), Nehru Arts and Science College, Coimbatore, 8 & 9 Feb-18.
- 3) **Compensatory Mechanisms of Anemia using Classifier Techniques**, International Conference on Big data Analytics and Distributed Systems, Periyar University College of Arts and Science, Dharmapuri, 12-Sep-14.

- 4) **EDM Techniques for Pupil's Data Archaeology**, Second National Conference on Advances in Computing, Analysis and Applications, SNS College of Technology, Coimbatore, 13-Mar-14.
- 5) **Review of Data Mining Techniques in Education Domain for Performance**, National Conference on Innovation in Communicative world, Dr NGP Arts and Science College, Coimbatore, 27-Sep-12.
- 6) **Data Mining - Prediction using Classifiers**, National Level Seminar on Crystallizing Trends in IT, Sankara College of Science and Commerce, Coimbatore, 15-Feb-12.
- 7) **Teaching Skills - An Enhanced Way**, NAAC Sponsored Two Day State Level Conference on Achieving Academic Excellence Through Internal Quality Assurance Cell (IQAC), Dr.N.G.P. Arts and Science College, Coimbatore, 9 to10 Dec-11.
- 8) **Techniques of Data Mining**, National Level Seminar on Networks, KG College of Arts and Science, Coimbatore, 24-Sep-11.

Participation in Conference

International

- 1) **Research Trends In Computing Technologies**, Dr. N.G.P. Arts and Science College, Coimbatore, 9-Aug-18 to 10-Aug-18.
- 2) **Computer Communication and Information Technology**, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Sep-16.
- 3) **Research Trends in Computer Technologies**, Dr. N.G.P. Arts and Science College, Coimbatore, 30 to 31-Jan-14.

National

- 1) **Emerging Education Models for 21st Century Learner**, Dr. N.G.P. Arts and Science College, Coimbatore, 1-Aug-15.
- 2) **DST Inspire Internship Science Camp**, Dr. N.G.P. Arts and Science College, Coimbatore, 21-Jul-14 to 25-Jul-14.

Participation in Seminars

- 1) **Applications and Challenges in Data Mining**, Bharathidasan College of Arts and Science, Erode, 24-Aug-17.

- 2) **Cyber Security Awareness and Defense Techniques**, Dr. N.G.P. Arts and Science College, Coimbatore, 25-Aug-14.
- 3) **ACM – Distinguished Speakers Program**, Dr. N.G.P. Institute of Technology, Coimbatore, 30-Jan-13
- 4) **Research in Computers: Why, What and How?**, Bharathiar University, Coimbatore, 10-Feb-12.

Participation in Workshop

- 1) **Statistical Analysis using R**, Bharathiar University, Coimbatore, 6 & 7-Sep-18.
- 2) **Data Mining using Python**, Nehru Arts and Science College, Coimbatore, 1-Sep-18.
- 3) **Big Data Analytics using Hadoop**, PSGR Krishnammal College for Women, Coimbatore, 8 to 10-Feb-18.
- 4) **Science Academies' Lecture Workshop on Healthcare Analytics**, Dr. N.G.P. Institute of Technology, Coimbatore, 26 & 27-Sep-17.
- 5) **Medical Image Processing using MATLAB and FIJI: A Research Perspective**, Dr. N.G.P. Institute of Technology, Coimbatore, 23-Sep-16.
- 6) **Data Mining & its Applications using Rapid Miner**, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Dec-13.
- 7) **Research Issues in Data Mining and its Practical Approach**, D. J. Academy for Managerial Excellence, Coimbatore, 23-Feb-12.
- 8) **Data Mining Tool – WEKA**, Kovai Kalaimagal College of Arts and Science, Coimbatore, 25-Jan-12.

Participation in Orientation Programme / Short Term Courses

- 1) **How to do Research in Computer Science**, Hindustan College of Arts and Science, Coimbatore, 21-Jan-15.

Participation in Faculty Development Programme

- 1) **Quality Measures in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18 to 9-Dec-18

- 2) **Big Data & Analytics - Transitions and Tools**, Dr. G.R. Damodaran College of Science, Coimbatore, 19-Jan-18.
- 3) **Bioinformatics in Life Science & Research**, PSGR Krishnammal College for Women, Coimbatore, 9 to 10-Feb-17.
- 4) **Big Data Analytics**, PSG College of Arts & Science, Coimbatore, 9 &10-Sep-16.
- 5) **Research Issues of Data Mining in Real World**, Tamilnadu College of Engineering, Coimbatore, 4-Jan-12.

Conference / Seminar / Workshop Organized

- 1) Editorial Team Member, International Conference on Research Trends In Computing Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 9 &10-Aug-18.
- 2) Organizer, State Level Technical Symposium - Technomania, Dr. N.G.P. Arts and Science College, Coimbatore, 15-Feb-18.
- 3) Organizer, National Conference on Innovations in Communicative World, Dr. N.G.P. Arts and Science College, Coimbatore, 27-Sep-12.

Editorial / Review Board Member /Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
The Society of Digital Information and Wireless Communications	Annual	2018 - 2019
International Association of Engineers	Life-time	-