

Name : P. Usha
Designation : Assistant Professor (SG)
Department : Computer Science
Qualification : M. Sc., M. Phil., (Ph. D.)

Experience:

Teaching: 11 Years Industry: Nil Research: Nil

Area of Specialization(s) : Big data analytics & Data Mining

Email (Official ID) : usha@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, Coimbatore	2011
M. Sc.	Computer Science	Dr. N.G.P. Arts and Science College , Coimbatore	2007

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Certification	Research Writing	NPTEL, Ministry of HRD	2018
Certification	Stress Management	NPTEL, Ministry of HRD	2018

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M. Phil.	1	-

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)

Other Publications: International / National Journals

- 1) P. Usha, Dr. N. Kavitha, **A Literature Survey on Big Data**, CiiT International Journal of Wireless Communication, Vol 10, No 1, January -2018, Digital Object Identifier: WC012018004.
- 2) P. Usha, N.Priya, **An Adaptive Energy Efficient Routing and Misbehavior Detection for Wireless Body Area Network**, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 5, Issue 11, pp.386-391, November- 2015, ISSN: 2277 128X.
- 3) P. Usha, N. Priya, **Survey on Security Issues in WBAN**, International Journal of Advanced Research in Computer Science and Software Engineering , Volume 5, Issue 1, pp. 482-485, January-2015 ISSN: 2277 128X.
- 4) P. Usha, K. Nandhini, **Predicting Academic Performance using Genetic Algorithm and SVM Classifier**, CiiT International Journal of Data Mining Knowledge Engineering, Issue: October-2010, DOI: DMKE102010005.

Presentations in Conference

- 1) **A Literature Survey on Big Data**, Nehru Arts and Science College, Coimbatore, 9-Feb-18.
- 2) **Human Health Monitor Technology and Security for Wireless Sensors Network (WSN)**, National Conference on Recent Trends in Computer Technology, Kodaikanal Christian College, 16-Sep-15.

- 3) **Survey on Security Issues in WBAN**, International Conference on Competency Building Strategies in Business and Technology for Sustainable Development, Sri Ganesh School of Business Management, Coimbatore, 20-Feb-15.
- 4) **Compensatory Mechanisms of Anemia using Classifier Techniques**, International Conference on Big Data Analysis and Distributed Systems, Periyar University College of Arts and Science, Pennagaram, 12-Sep-14.
- 5) **EDM Techniques for Pupil's Data Archaeology**, Advances in Computing, Analysis and Applications, SNS College of Technology, Coimbatore, 13-Mar-14.
- 6) **Classifiers in Academic Sector**, UGC Sponsored National Conference on Web Science and Technology, PSG College of Arts and Science, Coimbatore, 10-Oct-12.
- 7) **Genetic Algorithm and SVM Classifier**, National Seminar on Crystallizing Trends in IT, Sankara College, Coimbatore, 15-Feb-12.
- 8) **Predicting Student Performance based on Classification Technique**, Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore, 17-Sep-10.

Participation in Conference

- 1) **Research Trends in Computer Technologies**, Dr. N.G.P. Arts and Science College, Coimbatore, 30 & 31-Jan-14.
- 2) **Issues in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 29-Oct-10.
- 3) **Achieving Academic Excellence through Internal Quality Assurance Cell**, Dr. N.G.P. Arts and Science College, Coimbatore, 9 & 10-Dec-11.

Participation in Seminars

- 1) **Applications and Challenges in Data Mining**, Bharathidasan College of Arts and Science, 24-Aug-17.
- 2) **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, 9 &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.

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) **Introduction to Python Programming**, Sri Ramakrishna College of Arts and Science for Women, Coimbatore,18-Dec-18.
- 3) **Stress Management**, NPTEL-AICTE, Aug-Sep 2018.
- 4) **Big Data & Analytics-Transitions and Tools**, Dr. G.R. Damodaran College of Science, Coimbatore, 19-Jan-18.
- 5) **Bioinformatics in Life Science and Research**, PSGR Krishnammal College for Women, Coimbatore, 9 & 10-Feb-17.
- 6) **Big Data Analytics**, PSG College of Arts and Science, Coimbatore, 9 to 10-Sep-16.
- 7) **Enterprise Resource Planning using SAP B1**, Dr. N.G.P. Business School, Coimbatore, 31-Jul-10.

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.

Editorial / Review Board Member

1) Editorial Board Member, International Journal of Scientific & Engineering Research, since 2014.

Membership in Professional Bodies

Name of the Professional Body	Nature of Membership	Duration
Internet Society	Life-time	-
Universal Association of Computer & Electronics Engineers	Life-time	-
International Association of Engineers	Life-time	-