

Name : Dr. P. Iswarya
Designation : Assistant Professor
Department : Computer Technology
Qualification : M. Sc., Ph. D.

Experience:

Teaching: 2 Years Industry: Nil Research: Nil

Area of Specialization(s) : Data Mining, Image processing, Signal Processing,
Natural language Processing

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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Science	Avinashilingam University for Women, Coimbatore.	2016
M. Sc.	Computer Science	Avinashilingam University for Women, Coimbatore.	2011
B. Sc.	Information Technology	Avinashilingam University for Women, Coimbatore.	2009

Research Publications (Indexed)

International

- 1) P. Iswarya and Dr. V. Radha, **Speech Query recognition in Tamil language using Wavelet and Wavelet packets**, Journal of Information Processing System, , Vol.13, No.5, Pp.1135-1148, October 2017, ISSN 1976-913, (Impact factor (SJRI): 0.48, Indexed in Scopus and Thomson Reuters).
- 2) P. Iswarya and Dr. V. Radha , **Word Sense Disambiguation for Tamil language using Part-of-Speech and Clustering technique**, Journal of Engineering Science and Technology, Vol.12, Issue 9, Pp. 2504-2512, September 2017, ISSN 1823-4690, (Impact factor (SJRI): 0.24, Indexed in Scopus)
- 3) P. Iswarya and Dr. V. Radha, **Adapting hybrid machine translation techniques for cross language text retrieval system**, Journal of Engineering Science and Technology, Vol.12 Issue 3, March 2017, Pp.648-666, ISSN 1823-4690, (Impact factor (SJRI): 0.24, Indexed in Scopus)
- 4) P. Iswarya and Dr. V. Radha, **Improved Tagging approach for Part-of-Speech in Tamil language using an Ensemble learning** , International Journal of Applied Engineering Research (IJAER), Vol. 10 No. 6, 2015, Pp. 14015-14028, ISSN 0973-4562, (Impact factor (SJRI): 0.13, Indexed in Scopus)

- 5) P. Iswarya and Dr. V. Radha, **Speaker Independent Isolated Tamil words recognition system using different classifiers**, International Journal of Computer Science & Engineering Technology, Vol.6 No.6, 2015, Pp 386-391, ISSN: 2229-3345, (Indexed in Google Scholar / DOAJ)
- 6) P. Iswarya and Dr. V. Radha, **Speech based query processing Architecture for Tamil-English in Cross language text retrieval system**, International Journal of Emerging Trends in Engineering and Development, Vol. 7, Issue 2, Nov 2012, Pp.437-442, ISSN: 2249-6149, (Impact Factor: 0.15, Indexed in Google Scholar/ EBSCO)
- 7) P. Iswarya and Dr. V. Radha, **Cross language text retrieval: A Review**, International Journal of Engineering Research and Applications, Vol. 2, Issue 5, September- October 2012, Pp.1036-1043, ISSN: 2248-9622, (Impact Factor: 1.69, Indexed in Google Scholar/ EBSCO)

Presentations in Conference

- 1) **Comparative Analysis of Feature Extraction Techniques for Tamil Speech Recognition**, International Conference on Emerging Research in Computing, Information, Communication and Application, Nitte Meenakshi Institute of Technology, Bangalore, 2 & 3-Aug-13. (Indexed in DBLP/ELSEVIER digital library).
- 2) **Speech and Text Query Based Tamil – English Cross Language Information Retrieval System**, International Conference on Computer Communication and Informatics (ICCCI -2014), Sri Sakthi Institute of Engineering and Technology, Coimbatore, 3 to 5-Jan-14, (Indexed in IEEE digital library/Scopus).
- 3) **Ensemble Learning Approach in Improved K Nearest Neighbor Algorithm for Text Categorization**, International Conference on Innovation in Information, Embedded and Communication System, Karpagam College of Engineering, Coimbatore, 19 & 20-Mar-15. (Indexed in IEEE digital library/Scopus).
- 4) **Grid Computing**, International Conference on Innovative Trends in Computer Science and Applications, Pioneer College of Arts and Science, Coimbatore, 6-Jan-17.
- 5) **A Study on Tamil Speech Recognition System**, International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 9 & 10-Aug-18.
- 6) **A Study on Cognitive Computing**, International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 9 & 10-Aug-18.

Participation in Conference

- 1) International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 9 & 10-Aug-18.

Participation in Seminars

- 1) **Big data and Business Analytics**, Avinashilingam University for Women, Coimbatore, 12- Dec-14.

Participation in Workshop

- 1) **Application of Soft Computing and Data Mining**, Kongu Engineering College, Erode, 6-Jan-12 & 7-Jan-12.
- 2) **Research in Computer Science and Engineering**, Avinashilingam University for Women, Coimbatore, 10-Mar-13.
- 3) **Quality Education for All**, Avinashilingam University for Women, Coimbatore, 7-Nov-14.

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.

Editorial / Review Board Member

- 1) Reviewer Board Member, Journal of Engineering Science and Technology (Scopus Indexed), since 2018.
- 2) Reviewer Board Member, Journal of Information processing System (Scopus Indexed), since 2016.