Name   : **Dr. P. Iswarya**

Designation   : Assistant Professor

Department   : Computer Technology

Qualification : M. Sc., Ph. D.

Experience   : Teaching: 4 Years 7 Months   Research: 4 Years

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

Email (Official ID)   : iswarya.p@drngpasc.ac.in

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

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Certificate	Dotnet	Campus Infotech	2011
Certificate	Data Mining	NPTEL	2019
Certificate	Introduction to Internet of things	NPTEL	2020
Online Certificate	Java	Spoken Tutorial	2020
Online Certificate	Python	Spoken Tutorial	2020
Online Certificate	AI for Everyone	Course Era	2020
Online Certificate	Deep learning	Course Era	2020

On-going

Project Title	Agency	Amount	Duration
Smart Attendance system using facial recognition techniques	Dr.N.G.P Arts and Science College	5000	1 year
Interactive Question Answering	Dr.N.G.P Arts and Science College	5000	1 year

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	1

Research Publications (Indexed)

International

1) P. Iswarya, **Stress detection methods in Social networks: A Comparative study**, International Research Journal of Engineering and Technology (IRJET), ISSN 2395-0056, Vol.7, Issue.4, April 2020, Pp.976-979. (UGC Care list)

2) P. Iswarya, **Ensemble Classification based Hybrid Associative KNN Model for Text Categorization**, International Journal of MultidisciplinaryDiscplinary research, ISSN 2277-7881, Vol.10, Issue.3(3), March 2021, Pp.976-979. (Indexed in Google Scholar / DOAJ)

3) P. Iswarya and D.Maheswari, **Paddy Leaf Disease Identification and Classification System: A**
Review, International Journal of Computer Sciences and Engineering, ISSN 2347-2693, Vol.7, Issue.5, May 2019, Pp.976-979. (Indexed in Google Scholar / DOAJ)

4) P. Iswarya and Dr. V. Radha, **Speech Query recognition in Tamil language using Wavelet and Wavelet packets**, Journal of Information Processing System, ISSN 1976-913, Vol.13, No.5, October 2017, Pp.1135-1148, Impact factor (SJR): 0.48. (Indexed in Scopus and Thomson Reuters).

5) 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, ISSN 1823-4690, Vol.12, Issue 9, September 2017, Pp. 2504-2512, Impact factor (SJR): 0.24. (Indexed in Scopus)

6) P. Iswarya and Dr. V. Radha, **Adapting hybrid machine translation techniques for crosslanguage text retrieval system**, Journal of Engineering Science and Technology, ISSN 1823- 4690, Vol.12 Issue 3, March 2017, Pp.648-666, Impact factor (SJR): 0.24. (Indexed in Scopus.)

7) 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), ISSN 0973-4562, Vol. 10, No. 6, 2015, Pp. 14015-14028, Impact factor (SJR): 0.13. (Indexed in Scopus.)

8) P. Iswarya and Dr. V. Radha, **Speaker Independent Isolated Tamil words recognition system using different classifiers**, International Journal of Computer Science & Engineering Technology, ISSN: 2229-3345, Vol.6 No.6, 2015, Pp 386-391. (Indexed in Google Scholar / DOAJ)

9) P. Iswarya and Dr. V. Radha, **Speech based query processing Architecture for Tamil-Englishin Cross language text retrieval system**, International Journal of Emerging Trends in Engineeringand Development, ISSN: 2249-6149, Vol. 7, Issue 2, Nov 2012, Pp.437-442, Impact Factor: 0.15. (Indexed in Google Scholar/ EBSCO)

10) P. Iswarya and Dr. V. Radha, **Cross language text retrieval: A Review**, International Journal of Engineering Research and Applications, ISSN: 2248-9622, Vol. 2, Issue 5, September – October 2012, Pp.1036-1043, 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, 03-05 January 2014. (Indexed in IEEE DigitalLibrary/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.

7) **Comparative analysis of stress detection methods in social networks**, National Conference on Emerging Trends in Mathematics with Computer Applications, Dr. N.G.P. Arts and Science College, Coimbatore, 12 & 13-Sep-19.

8) **Development of Humanoid Robot**, International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 28 &29 Feb 2020.

9) **Comparison of Various Activation Function Used for Classifying Images**, International Conference on Signals, Communication and Embedded Systems Global Technology Forum 2020), 14-18 October 2020, ISBN: 978- 81-937760-5-6.

Participation in Conference

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

2) National Conference on Emerging Trends in Mathematics with Computer Applications, Dr. N.G.P. Arts and Science College, Coimbatore, 12 & 13-Sep-19.

3) International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Artsand Science College, Coimbatore, 28 &29 Feb 2020.

Participation in Seminars

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

2) National Seminar on Applying Modern Deep Learning Techniques to Natural Language Processing, Dr. N.G.P Institute of Technology, 19-Dec-2019.

Participation in Workshop

1) **Application of Soft Computing and Data Mining**, Kongu Engineering College, Erode, 6 & 7-Jan-12.

2) **Research in Computer Science and Engineering**, Avinashilingam University for Women, Coimbatore, 10-Mar-12.

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 to 9-Dec-18.

2) **FDP on Cloud based Machine Learning for IoT Application-Hands on using Python**, KonguEngineering College, Perundurai,1 to 3 Aug-19.

3) **FDP Certification in NPTEL Course DataMining**, May 2019.

4) **FDP on NAAC Revised Accreditation Framework and OBE Assessment Methodology,** Dr. N.G.P. Arts and Science College, Coimbatore May 27 to June 02, 2019.

Editorial / Review Board Member

1) Reviewer Board Member, Journal of Engineering Science and Technology, Since 2018.

2) Reviewer Board Member, Journal of Information Processing System, Since 2016.