

Name : Dr. V. Usharani
Designation : Assistant Professor (SG)
Department : Computer Science
Qualification : M.C.A., M. Phil., Ph. D.

Experience:

Teaching: 15 Years Industry: Nil Research: 7 Years

Area of Specialization(s) : Image Processing-Biometrics

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

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Applications	Anna University	2016
M. Phil.	Computer Science	Madurai Kamaraj University	2004
M.C.A.	Computer Applications	Cauvery College For Women	2001
B. Sc.	Computer Science	Maharaja College For Women	1998

Additional Qualifications

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

Research Publications (Indexed)

International

- 1) V. Usharani, Dr. S. V. Saravanan, **Survey of Multimodal Biometric Systems**, International Journal of Applied Engineering Research, Vol. 10 No.38, pp.28682-28688, April 2015, ISSN: 0973-4562, Research India Publications (Indexed in Scopus)
- 2) V. Usharani, Dr. S. V. Saravanan, **Multimodal Biometrics using Palm Print and Palm Vein**, Journal of Theoretical and Applied Information Technology, Vol.67 No.1, pp.177-185, September 2014, ISSN: 1992-8645 E-ISSN: 1817-3195, (Indexed in Scopus)

National

- 1) V. Usharani, Dr. S. V. Saravanan, **Optimized Feature Selection for Multi Modal Biometrics using Palmprint and Palmvein**, Journal of Pure and Applied Microbiology, Vol. 9, Special Issue on Recent Research Challenges in Bio-medical Applications., pp. 243-252, August 2015, (Indexed in Scopus)

Other Publications: International / National Journals

- 2) Dr. V. Usharani, **A Study On Pattern Recognition Of Tumor Images In Medical Image Analysis**, International Journal of Engineering Research in Computer Science and Engineering, Vol. 4 Issue 12 , pp.308-310, Dec 2017, (UGC Approved)

Presentations in Conference

- 3) **An Overview of Multimodal Biometrics and its Impact in the Automated Identification of Individuals**, International Research Conference on Advances in Computer Science, Information Technology, KG College of Arts and Science, Coimbatore , 15-Sep-18.
- 4) **Hybrid ABC for Optimal Feature Selection in Palmprint and Palmvein with SVM Parameter Optimization**, International Conference on Research Trends in Computing Technologies (ICRTCT'18), Dr. N.G.P. Arts and Science College, Coimbatore, 9-Aug-18 to 10-Aug-18.
- 5) **A Study on Pattern Recognition of Tumor Images in Medical Image Analysis**, International Conference on Recent Advancements in Information Technology, Science, Engineering (ICRAITSE'17), A.P.C. Mahalaxmi College for Women, Thoothukudi, 14 & 15-Dec-17.
- 6) **A Study of IoT and its Applications in Health Care**, IEEE International Conference on Innovations in Green Energy and Health Care Technologies (IGEHT '17), Dr. N.G.P. Institute of Technology, Coimbatore ,16 to 18-Mar-17.
- 7) **Optimized Feature Space Selection for Multi Modal Biometrics using Palmprint and Palmvein**, DRDO Sponsored 2nd IEEE International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS '15), Karpagam College of Engineering, Coimbatore, 19 & 20-Mar-15.

- 8) **Human Physiological and Behavioral Biometric Methods A Survey**, National Conference on Recent Advances in Computer Science, Engineering and Information Technology (RACSEIT), Sri Ramakrishna Engineering College, Coimbatore, 20-Apr-12.
- 9) **Multimodal Biometrics - A Survey, National Conference on Advanced Computing in Computer Applications (NCACCA)**, Sri Ramakrishna Engineering College, Coimbatore, 24-Mar-12.
- 10) **Role of Netizen in Prevention of Cyber Crime**, National Conference on Recent Trends in Advanced Computing, KLN college of Information Technology, Sivagangai, 10 & 11-Apr-08 .
- 11) **Application of MIS in Human Resources Management**, National Conference on Information Technology and Management, P.S.N.A. College of Engineering & Technology, Dindugul, 16-Feb-08.

Participation in Conference

National

- 1) Emerging Education Models for 21st Century Learner (NCEEM-2015), Principals of Colleges of Bharathiar University, UGC-HRD Center of Bharathiar University, Dr.N.G.P. Arts and Science College, Coimbatore, 1-Aug-15.

Participation in Seminars

- 1) **Digital Image Processing and its Applications**, Sri Ramakrishna Institute of Technology, Coimbatore, 09 –Apr-13.
- 2) **Cyber Security**, Bharathiar University, Coimbatore, 9-Mar-13.

Participation in Workshop

- 1) **MATLAB for Solving Research Problems**, Dr. N.G.P. Arts and Science College, Coimbatore, 31-Jul-17.
- 2) **Big Data Analytics**, Sri Ramakrishna Engineering College, Coimbatore, 21-Mar-14.
- 3) **Web Application Development using PHP and MySQL**, Sri Ramakrishna Engineering College, Coimbatore, 27 & 28-Mar-13.

- 4) **Advanced Open Source Web Technology in PHP**, Sri Ramakrishna Engineering College, Coimbatore, 26-Feb-13.
- 5) **Intelligent Data Analytics and Image Processing (IDAIP 2011)**, Bannari Amman Institute of Technology, 14 & 15-Oct-11.
- 6) **Recent Trends in Biometrics and Cyber Security**, PSG College of Technology, Coimbatore, 24 & 25-Mar-11.
- 7) **MATLAB Programming**, Kongu Engineering College, Perundurai, 20 & 21-Jan-11.
- 8) **Distributed Service Models**, Coimbatore Institute of Technology, Coimbatore, 3 & 4-Sep-10.
- 9) **Networking and Network Simulators**, RVS College of Engineering, Technology, Dindigul, 30 & 31-Mar-07.
- 10) **Emerging Trends in Web Technologies**, P.S.N.A. College of Engineering Technology, Dindigul, 25- Mar-06.

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 R Programming**, ICT Academy, Dr. N.G.P. Arts and Science College, Coimbatore, 30 & 31-Aug-18.
- 3) **Bigdata Analytics - Transitions and Tools**, Dr. G.R. Damodaran College of Science, Coimbatore, 19-Jan-18.
- 4) **Digital Image Processing**, Govt. College of Technology, Coimbatore, 28-Nov-11 to 4-Dec-11.
- 5) **Software Testing**, KGiSL Institute of Information Management, Coimbatore, 18-Aug-07.

Conference / Seminar / Workshop Organized

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

Invited Speaker / Session Chair / Member Organizing Committee - Conference / Seminar / Workshop

- 1) Invited Speaker, Guest lecture on Open Source Software, Sree Saraswathi Thiagaraja College, 29-Jul-17.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Internet Society	Life-time	-