

Name : Dr.L.Pavithira
Designation : Assistant Professor
Department : Commerce with Computer Applications
Qualification : M.C.A., M.Phil., Ph.D.
Experience : Teaching: 17 Years Research: 12 Years
Area of Specialization(s) : Network Security
Email (Official ID) : pavithra@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Bharathiyar University, Coimbatore	2015
M.Phil.	Computer Science	Bharathiyar University, Coimbatore	2006
MCA	Computer Applications	Bharathiar University, Coimbatore	2004
B.Sc Comp.Sci.	Computer Applications	P.S.G.R Krishnammal College for Women, Coimbatore	2001

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Praveen utharaadh	Hindi	Dakshin Barat hindi Prachar Sabha	1998
prarambaa	Sanskrit	Bombay University	1998

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	06
M. Phil.	-	02

Research Publications (Indexed)

International Journals

Dr.L.Pavithira, "IoT based Agriculture Drought Prediction using Chaotic Genetic Algorithm Integrated Intuitionist Fuzzy Subtractive Clustering", International Journal of Recent Technology and Engineering (IJRTE), November 2019, ISSN: 2277-3878(Indexed in Scopus)

Dr.L.Pavithira, "Multi-font Optical Character Recognition using Deep Learning", International Journal of Recent Technology and Engineering (IJRTE), Volume No.8, Issue No.1S4, June 2019, ISSN: 2277-3878(Indexed in Scopus)

Dr.L.Pavithira, "Improved OCR using Histogram of Oriented Gradients and Deep Belief Network Learning", International Journal of Science, Engineering and Research (IJSER), Volume No.10, Issue No.3, March 2019, ISSN: 2229-5518

Dr.L.Pavithira, "Heart Disease Prediction and Classification using Optimization based Adaptive Neuro Fuzzy Inference Innovative System", Journal of Emerging Technologies and Innovative Research (JETIR), Volume No.6, Issue No.3, March 2019, ISSN: 2349-5162(Indexed in UGC)

Dr.L.Pavithira, "Optical Character Recognition using Improved Roofsift Features", International Journal of Management Technology and Engineering, Volume No.8, Issue No.XII, December 2018
ISSN: 2249-7455(Indexed in UGC)

Dr.L.Pavithira, "Energy Efficient Routing Protocol for Data Gathering in Wireless Sensor Networks", Journal of Advanced Research in Dynamical and Control System, Issue No.12-Special Issue, 2018, ISSN: 1943-23X (Indexed in Scopus)

Dr.L.Pavithira, "Optical Character Recognition Using Artificial Bee Colony Optimization Neural Classification", Journal of Advanced Research in Dynamical and Control Systems, Volume No.10, Issue No.7, 2018, ISSN: 1943-023X (Indexed in Scopus)

Dr.L.Pavithira, "Review of Classification Algorithms for Multi-Label Analysis", Journal of Advanced Research in Dynamical and Control Systems, Volume No.10, Special Issue No.5, 2018, ISSN: 1943-023X (Indexed in Scopus)

Dr.L.Pavithira, "Optical Character Recognition Using Modified Gabor Filter", International Journal of Advance Research in Science and Engineering, Volume No.7, Special Issue No.01, February 2018, ISSN (O): 2319-8354, ISSN (P): 2319-8346(Indexed in Scopus)

Dr.L.Pavithira, "Optical Character Recognition using HOG and DBN Learning", International Journal of Advanced Research in Science and Engineering (IJARSE), Volume No.6, Issue No.8, August 2017, ISSN (o):2319-8354, ISSN (p):2319-8346(Indexed in UGC)

Dr.L.Pavithira, "Adaptive Neuro Fuzzy Inference System based Optical Character Recognition", International Journal of Advance Research in Science and Engineering, Vol.No.6, Issue No.08, August 2017, ISSN (O): 2319-8354, ISSN (P): 2319-8346(Indexed in UGC)

Dr.L.Pavithira, "A Secure Cluster based VANET Modeling System with keyed HashMessage Authentication Code", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), Volume 23, Issue 5, September 2016, ISSN:0976-1353.

Dr.L.Pavithira, "Discovery of Ranking Frauds for Mobile Apps Using FrappeTool", International Journal of Computer Science Trends and Technology (IJCT), Volume 4, Issue 3, May-June 2016, ISSN: 2347-8578.

Pavithira L and Dr.T.Purusothaman, "An Energy Efficient Key Management and Authentication Technique for Multicasting in Ad-hoc Networks", Journal of Theoretical and Applied Information Technology, Volume 53(1), 10th July 2013, ISSN: 1992-8645, E-ISSN:1817-3195.(Indexed in Scopus)

Pavithira L and Dr.T.Purusothaman, "An Energy Efficient Topology Aware Key Management Scheme for Multicasting in Ad-hoc Networks", International Journal of Wisdom Based Computing (IJWBC), Volume 1(3), December 2011, ISSN: 2231-4857.

Presentations in Conference

Dr.L.Pavithira,"Bicluster Based Synthetic Minority Over-Sampling Technique(B-SMOTE) And Multilevel Classification For Imbalanced Samples", International Conference on Data Analytics &Computational Mathematics DACM2020,Sri Ramakrishna College of Arts & Science For Women,Coimbatore,February 2020

Dr.L.Pavithira,"Bicluster Based Synthetic Minority Over-Sampling Technique(B-SMOTE) And Multilavel Classification For ImBalanced Samples",International Conference on Data Analytics &Computational Mathematics DACM2020,Sri Ramakrishna College of Arts & Science For Women,Coimbatore,February 2020

Dr.L.Pavithira,"Energy Efficiency in Distributed System for Wireless Sensor Networks" National Conference on Emerging Trends in Information technology (NCETIT),Sree Narayana Guru College,Coimbatore,February 2020

Dr.L.Pavithira, "Improved OCR using Histogram of Oriented Gradients and Deep BeliefNetwork Learning", National Conference on Emerging Trends, Cherpullassery College of Science and Technology, Kerala, March 2019

Dr.L.Pavithira, "Optical Character Recognition using Improved Roofsift Features", 3rdInternational Conference on Multidisciplinary Research (ICMF'18), Institution ofEngineering, Chandigarh, India, 8th December 2018, ISBN: 978-93-87793-60-6

Dr.L.Pavithira, "A Study on Recent Research Trend in Secure and Energy Aware RoutingTechniques in Wireless Sensor Network Environment", International Conference onResearch Trends in Computing Technologies (ICRTCT'18), Dr. N.G.P. Arts and ScienceCollege, Coimbatore, 9th & 10th August 2018Dr.L.Pavithira, "Optical Character Recognition Using Modified Gabor Filter", International

Conference on New Horizons in Science, Engineering, Management and Humanities, IIMTCollege of Engineering, Greater Noida, 16th February 2018, ISBN: 978-93-87793-00-2Dr.L.Pavithira, "An analysis of Security Threats and application for Cloud Computing",

International Conference on Innovative Trends in Computer Science and Applications,Pioneer College of Arts & Science, 4th January 2018Dr.L.Pavithira, "Adaptive Neuro Fuzzy Inference System based Optical CharacterRecognition", 10th International Conference on Recent Trends in Engineering Science andManagement (ICRTE SM-17), Newton's Institute of Science & Technology, Andhra Pradesh,12th & 13th August 2017, ISBN:978-93-86171-56-6

Dr.L.Pavithira, "Optical Character Recognition using HOG and DBN Learning",International Conference on Computing Intelligence and Application (ICCIA'17)Pavithira L,"Network Mobility and QoS Management in VANETs", 3rd InternationalConference on Computer Applications and Information Technology, Hindustan College ofArts& Science, Coimbatore, 11thMarch 2016.

Pavithira L, "Smart Phone Ad-hoc Networks (SPANs) to create P2P Network withoutTraditional Network Infrastructure", 3rd International Conference on Computer Applicationsand Information Technology, Hindustan College of Arts & Science, Coimbatore, 11thMarch2016.

Pavithira L and Dr.T.Purusothaman, “An Energy Efficient Topology Aware KeyManagement Scheme for Multicasting in Ad-hoc Networks”, International Conference onWisdom Computing and Communications (WCAC 2011), Kuala Lumpur, Malaysia.

Participation in Seminars

Participated in International Seminar on Technology Education and Knowledge Building(ISTEK 2008) at CMS College of Science and Commerce, Coimbatore on 7th Mar 2008

Organized and Participated the Faculty Development Programme at CMS College of Science& Commerce on 09th Feb 2008.

Participated in International Seminar on Nurture Nature for Future, “Solid e-Waste Management”, at CMS College of Science and Commerce, Coimbatore, 8th-10th Dec 2006.

Participated in International Seminar on Nurture Nature for Future, “Knowledge is Power” at CMS College of Science and Commerce, Coimbatore, 8th to 10th Dec 2006.

Participation in Workshop

Participated in Technical Workshop on “Google Apps for Education in Cloud Computing”, Supported by Edusculpt Education Solutions, Chennai at CMS College of Science and Commerce, Coimbatore, 10th Sep 2015.

Attended the Comprehensive Workshop on “Network Simulator (NS2-Tool) for Wired and Wireless Networks” at Kongu Engineering College, Erode from 2nd to 5th Dec 2010.

Participation in Faculty Development Programme

Participated in UGC Sponsored Faculty Development Programme on “Women and Biodiversity” at Dept. of Women’s Studies, Bharathiar University on 21st Sep 2016

Participated in Faculty Development Programme on “NS2 and its implementation in Networking” on 03rd Sep 2011 at D. J. Academy for Managerial Excellence, Coimbatore

Conference Organized

Acted as Organizing Member, National Conference on Modern Business-Opportunities and Challenges (CMBOC-2020), Dr. N.G.P. Arts and Science College, Coimbatore, 27th-Feb-2020.

Member in BoS

Board of Computer Technology, NGM Arts and Science College, Pollachi, Since 2016