


Name	:	<b>KAVITHA T</b>	
Designation		Assistant Professor (SS)	
Department		Computer Science and Engineering	
Educational Qualification		B.E., M.E., (Ph.D.)	
Subject of Interest	:	Image and Video Processing	
Publications :	:	<p>International : 16</p> <p><b>International Journal Publications</b></p> <ul style="list-style-type: none"> <li>• Published a paper titled “A Drone Detection System for Preventing Security Threats Using YOLO Deep Learning Network” in the International Journal of Advanced Science and Technology, ISSN No. 2005-4238, Vol. 29, No. 5s, (2020), pp. 1366-1376.</li> <li>• Published a paper titled “Evaluation of the Performance of Tiny YOLOv3 based Drone Detection System with Different Drone Datasets” in the Journal of Critical Reviews, ISSN No.2394-5125, Vol. 7, Issue 14, 2020.</li> <li>• Published a paper titled “Training a Deep Learning Network with an Insignificantly Small Dataset” in the journal International Journal of Innovative Technology and Exploring Engineering, ISSN No. 2278-3075, Volume-9 Issue-4, February 2020.</li> <li>• Published a paper titled “Evaluating the Performance of Training in YOLO Deep Learning Networks with Insignificantly Small Dataset” in the journal Test Engineering and Management, ISSN No. 0193 – 4120, Page No. 9630 - 9637, January - February 2020.</li> <li>• Published a paper “Transfer Learning with Tiny YOLO-RV1 Deep Learning Network Model for Better Performance with Small Training Dataset” in the journal International Journal of Future Generation Communication and Networking, ISSN No. 2233-7857, Vol. 13, No. 4, (2020), pp. 2072–2086.</li> </ul>	

	<ul style="list-style-type: none"> <li>• Published a paper in the title “Automatic Fruit Classification System Using Machine Learning Techniques - A Detailed Analysis” in the International Journal of Analytical and Experimental Modal Analysis, ISSN No.:0886-9367, Volume XII, Issue VII, Page No.:1776 – 1782,July 2020.</li> <li>• Published a paper in the title “ A Survey on Road Crack Detection System using Drone Images by Machine Learning” in the International Journal of Analytical and Experimental Modal Analysis, ISSN No.:0886-9367, Volume XII, Issue VI, Page No.:2077 – 2084,June 2020.</li> <li>• Published a paper in the title “Detailed Study and Analysis on Object Detection using Edge Detection” in the International Journal of Analytical and Experimental Modal Analysis, ISSN No.:0886-9367, Volume XII, Issue VI, Page No.:2121 – 2127, June 2020.</li> <li>• Published a paper in the title “Automatic Fruit Classification to Classify healthy fruits from a Pile of Fruits using Machine Learning Techniques” in the Journal Studies in Indian Place Names, ISSN No. 2394 – 3114, Vol.40, Issue:60, March 2020.</li> <li>• Published a paper in the title “Detecting and Counting Bird’s Species in Sanctuaries using Deep Learning” in the Journal Studies in Indian Place Names, ISSN No. 2394 – 3114, Vol.40, Issue:60, March 2020.</li> <li>• Published a paper in the title “Road Crack Detection on Drone Images using Convolutional Neural Network(CNN) Deep Learning Algorithm” in the Journal Studies in Indian Place Names, ISSN No. 2394 – 3114, Vol.40, Issue:60, March 2020.</li> <li>• Published a paper in the title “ Advanced Convolutional Neural Network Architecture: A Detailed Review” in the International Journal of Engineering Trends and Technology, ISSN No. 2231-5381, Vol.67, No.5, May 2019.</li> <li>• Published a paper in the title “Artificial Neural Network Learning Techniques : A Survey” in International Journal of Innovative Research in Science, Engineering and Technology, ISSN(Online):2319 – 8753, ISSN(Print):</li> </ul>
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	<p>2347-6710, Vol.8, Issue:3, March 2019.</p> <ul style="list-style-type: none"> <li>• Published a paper in the title “Role Of Machine Learning In Object Detection: A Review” in International Journal of Engineering Trends and Technology, ISSN: 2231-5381, Volume-67 Issue-5, 2019.</li> <li>• Published a paper in the title “Flying Object Detection and Classification using Deep Neural Networks” in International Journal of Advanced Engineering Research and Science, ISSN: 2349 – 6495(P), 2456 – 1908(O), Vol-6, Issue-2, Feb-2019.</li> <li>• Published a paper in the title “Flying Object Detection and Classification Techniques : A Survey” in International Journal of Engineering Trends and Technology, ISSN: 2231 – 5381, Volume 67, Issue-2, February 2019.</li> </ul>
	<p>National : 01</p> <p><b>National Journal Publication</b></p> <ul style="list-style-type: none"> <li>• Published a paper in the title “Cyber Physical Systems (CPS) and its Implications” in CSI Communications Journal, ISSN No. 0970-647X, Vol. No. 41, Issue No.9, December 2017.</li> </ul>
<p>National and International Conference</p>	<p><b>International Conferences</b></p> <ul style="list-style-type: none"> <li>• Presented a paper titled “A Comprehensive Study of Deep Learning Network Architectues, Applications, Issues, and Software Tools” in the International Conference on Newer Engineering Concept &amp; Technology – 2K19 held at K.Ramakrishnan College of Technology, Trichirappalli during 15<sup>th</sup> &amp; 16<sup>th</sup> March 2019.</li> <li>• Presented a paper titled “Role of Machine Learning in Object Detection : A Review” in International Conference on Innovative Technologies in Electronics and Health Care held at Periyar Maniammai University, Vallam, Thanjavur during 12<sup>th</sup> &amp; 13<sup>th</sup> March 2019.</li> <li>• Presented a paper titled “Advanced Convolutional Neural Network Architectures-A Survey” in the International Conference on Innovative Technologies in Electronics and Health Care held at Periyar Maniammai University, Vallam,</li> </ul>

Thanjavur during 12<sup>th</sup> & 13<sup>th</sup> March 2019.

- Presented a paper titled “User based Retrieval System” in the International Conference on Trends in Technology and Engineering held at Arjun College of Technology, Coimbatore on 07<sup>th</sup> April 2018.
- Presented a paper titled “Pair of Iris Recognition using Feedforward Neural Networks” in the International Conference on Advances in Engineering and Technology held at E.G.S. Pillay Engineering College, Nagapattinam during 28<sup>th</sup> & 29<sup>th</sup> March 2012.
- Presented a paper in the title” Text / Image Embedding Generic Loseless Visible Watermarking” in Engineering Post Graduate Research Conference – 2011 held at Karpagam University, Coimbatore during 19<sup>th</sup> & 20<sup>th</sup> December 2011.

#### **National Conferences**

- Presented a paper titled “Knowledge of Social Network Analysis & its Issues and Challenges” in the National Conference on Social, Mobile, Analytics and Cloud held at Periyar Maniammai University, Vallam, Thanjavur during 15<sup>th</sup> & 16<sup>th</sup> September 2016.
- Presented a paper titled “Data Mining and BigData Technologies – Issues and Challenges” in the National Conference on Social, Mobile, Analytics and Cloud” held at Periyar Maniammai University, Vallam, Thanjavur during 15<sup>th</sup> & 16<sup>th</sup> September 2016.
- Presented a paper in the tile “Automated Tagging to Enable Fine Grained Browsing of Lecture Notes” in National Conference on Advanced Computing held at CSI College of Engineering, Ketti on 14<sup>th</sup> February 2014.
- Presented a paper in the title “Survey on Audio, Image and Speech Recognition” held at National Conference on Innovations in Computer Information & Communication- 2013 held at EASA College of Engineering and Technology, Coimbatore on 23<sup>rd</sup> February 2013.
- Presented a paper titled “Content based Image Retrieval Techniques” in National Conference on Recent Trends in

	<p>Computer Technology on 9<sup>th</sup> April 2010.</p> <ul style="list-style-type: none"> <li>• Presented a paper titled “Image Retrieval Techniques by Low Level Feature Extraction” in National Conference on Computer Technological Innovation in Information Age held at K.S.R. College of Engineering, Tiruchengode, Namakkal on 7<sup>th</sup> April 2010.</li> <li>• Presented a paper “WSS for Cellular Phones and Other Mobile Computing Agents” in ISTE and CSI sponsored National Conference on Computational Intelligence held at Vinayaka Mission’s Kirupananda VArIyar Engineering College, Salem on 27<sup>th</sup> April 2009.</li> <li>• Presented a paper “Mobile Agent Infrastructure for Secure Distributed Network Management” in National Conference on Frontier Research Areas in Communication, Computer and Control Engineering on 6<sup>th</sup> and 7<sup>th</sup> March 2008.</li> <li>• Presented a paper “Crowd Density Estimation” in National Conference on Information and Communication Technology held at Periyar Maniammai College of Technology for Women, Vallam, Thanjavur during 8<sup>th</sup> and 9<sup>th</sup> February 2007.</li> <li>• Presented a paper “An Efficient Technique for Frequent Pattern Mining in Business Applications using Association Rules” in National Conference on Information and Communication Technology held at Periyar Maniammai College of Technology for Women, Vallam, Thanjavur during 8<sup>th</sup> and 9<sup>th</sup> February 2007.</li> <li>• Presented a paper “Social Responsibility- Women Empowerment” in 35<sup>th</sup> ISTE Annual Convention &amp; National Seminar on Quality, Sustainability and Social Responsibility: Interfaces in Technical Education in the Context of Globalisation held at Bannari Amman Institute of Technology, Sathyamangalam on 14<sup>th</sup> to 16<sup>th</sup> December 2006.</li> <li>• Presented a paper “Grid Computing” in National Level Technical Paper Presentation Competition held at S.V.Institute of Computer Studies,Gujarat on 8<sup>th</sup> &amp; 9<sup>th</sup> January 2005.</li> <li>• Presented a paper “Schema Versioning in Temporal Database System” in National Level Technical Paper Presentation Competition held at S.V.Institute of Computer Studies,Gujarat</li> </ul>
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		<p>on 8<sup>th</sup> &amp; 9<sup>th</sup> January 2005.</p> <p><b>Participation in International and National Conferences / Convention</b></p> <ul style="list-style-type: none"> <li>• Participated in International Conference and Exhibition on Information and Communication Technology (ICT) – CONNECT 2016 held at Hotel ITC Grand Chola, Chennai on 27<sup>th</sup> &amp; 28<sup>th</sup> September 2016</li> <li>• Participated in 9<sup>th</sup> e-India 2013 -India's Premier ICT Event held at Hyderabad International Convention Centre, Hyderabad on 23<sup>rd</sup> &amp; 24<sup>th</sup> July 2013.</li> <li>• Participated in the 26<sup>th</sup> Indian Engineering Congress at Bangalore during 15<sup>th</sup> to 18<sup>th</sup> December 2011.</li> <li>• Participated in 13<sup>th</sup> ISTE Annual Convention (TN &amp; Pondicherry Section) on Emerging Trends in Engineering Education – Indian Perspective held at K.S.Rangasamy College of Technology, Namakkal, Thiruchengode on 29<sup>th</sup> &amp; 30<sup>th</sup> October 2010.</li> <li>• Participated in International Conference on Digital Libraries (ICDL 2010) held at New Delhi during 23<sup>rd</sup> – 26<sup>th</sup> February 2010.</li> </ul>
Awards and Achievements	:	Received Outstanding Teacher Award in the academic year 2007 -2008
Google Scholar Link	:	<a href="https://scholar.google.com/citations?user=iB2jJ7UAAAj">https://scholar.google.com/citations?user=iB2jJ7UAAAj</a>
Contact Address	:	<p>Kavitha T  Dept. of Computer Science and Engineering  Periyar Maniammai Institute of Science &amp; Technology  Periyar Nagar, Vallam , Thanjavur – 613 403  E Mail – <a href="mailto:t.kavitha@pmu.edu">t.kavitha@pmu.edu</a>  Phone No : 9944495683</p>