


Velammal Engineering College
Department of Computer Science and Engineering

Name & Photo : Dr. V.Vijaya Chamundeeswari	
Designation:	Professor & Head
Qualification :	B.E., M.Tech., and PhD (CSE)
Area of Specialization :	Satellite Image Processing, Data Mining and Pattern Recognition
Teaching Experience :	16 years, 4 years in research PG : 12 Yrs.

No. of Conference/FDP/workshop/Seminar attended :	34/2/8/6
Publications :	International Journal : 14 International Conference : 30 National Conference : 5
General :	<ul style="list-style-type: none">• Associate member in Computer Society of India (CSI) – 01069771• Member in IEEE (92341241)• Member in IEEE Computer society• Member in Indian Society of Remote Sensing

Staff Achievements:

- Received funding under 'FIST 0'- the Proposal under FIST – Level '0' scheme to establish “**Sequential Data Processing lab**”- Dept of mechanical and Computer Science Engg applied for FIST and received approval for Rs 20 L.
- Received funding of Rs 6 L from SAC, ISRO, for the project “COSMO Skymed : Polarimetric, Radargrammetric, Interferometric And Differential Interferometric Study “
- Received project fund of Rs.25000 from CSI for “Digitizing And Web Indexing For Tamil, A South Indian Language”
- 100% in CP7201-Theoretical Foundations of Computer Science (2016)
- 92.98% results in CS 2303- Theory of Computation (B.E. V sem CSE)(July- Nov 2016)
- 100% in IP7004 –Image Processing and Analysis (2015)
- 95.38% in CS2354- Advanced Computer Architecture (2013)
- 94.1% results in SE 9215-Formal Methods in Software Engineering (M.E I year CSE) (Jan 2012)
- 94.4% results in CS 9211- Computer Architecture (M.E. I Sem CSE)(Jan 2011)
- 95.38% Results in CS 9211- Computer Architecture (B.E. VI sem CSE) (Jan-May 2011)
- 95.45% results in CS 2303- Theory of Computation (B.E. V sem CSE)(July- Nov 2010)

Experience Details:

Name and Address of the Institution	Designation	From	To	Total No. of Years
Velammal Engineering College, Chennai	Professor & Head	Feb 2012	Till date	5 years

Velammal Engineering College, Chennai	Professor	July 2010	Jan 2012	1 year 6 months
Sinhgad College of Engineering, Pune, India	Professor	March 2009	June 2010	1 year 4 months
Indian Institute of Technology Madras	Half-time Teaching Assistant (HTRA) Research Scholar	August 2005	June 2007	4.5 years
AAM Engineering College, Tamilnadu, India	Senior Lecturer	June 1997	July 2005	8 years

Conferences/FDP/Workshop/Seminar: (List)

Workshop:

S.No	Date	Venue	Title	Duration
1	March 9, 2016	Tata Consultancy Services, Chennai.	"Head start" Program – by Sangam- meeting of minds	1 Day
2	February 28, 2016	Hotel Deccan Plaza, Chennai	IEEE Mini POCO	1 Day
3	January 29, 2016	Velammal Engineering College	Research Paper and Funded Project Proposal writing Skills	1 Day
4.	July 8, 2015	Dr.M.G.R University	Intellectual Property Rights Awareness	1 Day
5.	Jan 20-21, 2012.	Recent Advance in Microwave Engineering: Devices, Technologies and	Department of Electronics Engineering, IT- BHU, Varanasi on Recent advances in Microwave	2 days

6.	May 20 to June 3, 2011	National Institute of the Teachers Training and Research	“Instructional Design and the Delivery System”	5 Days
7.	Dec 8 to Dec 9, 2009	IIT Roorkee and Alcatel	“Broad band Technologies”	2 Days
8.	Nov. 20 to Nov. 22, 2009	Sinhgad College of Engineering	“Network Simulator”	3 Days
9.	May 12-13, 2009	Infosys Technologies Pune	“Insight 2009”	2 Days
10.	Feb 5 to Feb.9,2007	ESRI India,Indian Institute of Technology Roorkee	“Introduction to GIS”	5 Days
11.	Sept. 24, 2004	Sponsored by the AICTE, AAM Engineering College	“Environment and the Pollution Awareness”	1 Day
12.	Feb.3, 2001	Abirami Academy	“Teaching Technology and the Counseling Skills”	1 Day

Publications

International Journal

S.No	Title of the Paper	Name of the Journal	Period	Vol. no.	Page Nos
1	Destination Prediction Using Trajectory Data Mining Technique	International Journal Of Science And Innovative Engineering & Technology	April 2017	Vol.3	-
2	An Enhanced Method To Detect And Prevent Warmhole Attack In m Commerce	Asian Journal of Information Technology	2017	Vol.16, no.1	pp.77-81

3	Light Weight Prediction Algorithm based IDS for Wireless Sensor Networks	Asian Journal of Information Technology	2016	vol.15, no.3	pp.393-405
4	Detection of sleep apnea disease from clinical data using particle swarm optimisation	International Journal of Emerging Technology in Computer Science and Electronics	2016	vol.22, issue 2	pp. 251-254
5	A survey on Interest based search technique in a cloud environment	International Journal for Scientific Research and Development	Nov. 2015	vol.3, issue.9	pp.178-181
6	Wireless Sensor Network Performance and Admission Control Management in Patient Monitoring	Australian Journal of Basic and Applied Sciences	2015	vol.9, no.16	Pages: 282-288
7	Internet of Things (IoT) Enabled Wireless Patient Monitoring System using CC3200	Australian Journal of Basic and Applied Sciences	2015	vol.9, no.16	Pages: 275-281
8	Identity based attack detection and manifold adversaries localization in wireless networks	Journal of Theoretical and Applied Information Technology	2014	Volume 67, No.2,	Pages 513- 518.
9	JIGSPASSZLE: A NOVEL Jigsaw Based Password System Using Mouse Drag Dynamics	Middle East Journal of Scientific Research	2014	vol.21, issue no.11,	pp. 2039-2051,.
10	Classification of COSMO Skymed SAR data based on	International Journal of Computer Science	June 2012.	vol. I,	2231-5292

	Coherence and Backscattering coefficient	and Informatics			
11	Road surveillance using Gaussian Mixture Model for Birth and clutter events in Object Tracking,	International Journal of Computer Science and Informatics	June 2012.	vol. I	2231-5292
12.	Vehicle Tracking by Probability Hypothesis Density (Phd) Filter Improved With GMM	International Journal on Advanced Computing	Oct. 2011		
13	Analysis of role of feature measures in PCA based unsupervised classification of SAR images	IEEE Letters Geoscience and remote sensing	2008.	vol. 6	214-218
14	An adaptive method with integration of multi-wavelet based features for unsupervised classification of SAR images	Journal of Geophysics and Engineering	2007.	vol. 4	384-393

International Conferences

Sl.No	Title of Paper/Report	Author(s)	Name of the Conference and Year	Page No.	
				From	To
1	Digitalization of Medical Prescription and Localization of Healthcare Products	R. Ganesan, Dr.V.Vijaya Chamudeeswari, E. Kughan,	International Conference on Contemporary	ISBN 978-81-904760-	-

	using Credit based Ranking Algorithm	R. Sanjay, S. Arun Karthikeyan,	Engineering and Technology, 2017	9-6	
2	A Novel approach for Genetic face recognition	Deepa S., and Dr.V.Vijaya Chamundeeswari	IEEE International Conference on Information Processing, 2016	767	771
3	Image Retrieval using color and texture binary patterns	Bagyalakshmi A., and Dr.V.Vijaya Chamundeeswari	International Conference on Green Computing & Internet of things (ICGCIoT), 2016	720	724
4	Interest based search technique in a cloud environment	Vidhya Vishali, and Dr.V.Vijaya Chamundeeswari	IEEE sponsored 3 rd International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS '16), 2016	322	327
5	Network performance monitoring and Admission control in Patient Monitoring	Ganesan R, Bala Sharmini M, Siva V Girish, Vijaya Chamundeeswari, and Balaji Ganesh	International Conference on Soft Computing Systems (ICSCS 2015)	127	
6	Privacy Protection in personalized web search using generalised profile	Rathika M, and Dr.V.Vijaya Chamundeeswari	IEEE Sponsored 2 nd International Conference on Innovations in Information, Embedded and Communication Systems, ICIIECS 2015.	791	794

7	A survey on content based image retrieval using various operators	Bhagyalakshmi, A.; Vijayachamundeeswan, V.	International Conference on Computer Communication and Systems, 2014	18	23
8	Mapping of mineral deposits using image fusion by PCA approach	Rajalakshmi, S.; Chamundeeswari, V.Vijaya	International Conference on Computer Communication and Systems, 2014	24	29
9	A survey on hand gesture recognition for simple mouse control	Suriya R, and Vijaya Chamundeeswari V	IEEE Proceedings of International Conference on Information Communication and Embedded Systems (ICICES), 2014	1	5
10	A survey on personalization of web search using generalised profile	Dr.V. Vijaya Chamundeeswari , and Radhika.M	International Conference on Electrical, Electronics and Computer Engineering conducted by SARC (south Asian Research centre), Chennai, 28 Sept. 2014.	65	68
11	A survey on Location Based Query System	R.Ramya Devi, Dr.V. Vijaya Chamundeeswari, Farzana.s	ICEECE, Chennai, 2014	63	68
12	Co-occurrence diffusion method for expert ranking algorithm in Heterogeneous networks	Dr.Vijaya Chamundeeswari, Ramyadevi R, and Rajkumar S.C	IEEE International Conference on Innovations in Engineering and Technology, ICIET 2014	452	459

13	Resolving atomic transaction issues in web services- Business activities	Rakesh Kumar S, Ramyadevi R, and Dr.VijayaChamundeeswari	IEEE International Conference on Innovations in Engineering and Technology, ICIET 2014	613	619
14	ICA based Land Cover Classification	V.Vijaya Chamundeeswari, and R.Satheesh Kumar	International Conference on Electrical, Electronics and CSE, March 2013.	16	19
15	Service mash up candidate Prediction using tendency based syntactic matching algorithm with combination of messages	Ms.P.Suganya, Ms.R.Ramyadevi, Dr.Vijaya Chamundeeswari	International Conference on computing, 2012	268	273
16	Wearable speech assistive device for differently abled	V.Vijaya Chamundeeswari	International Conference on Matlab applications in Engineering and Technology (ICMAET 2012), 2012	24	28
17	Combining Secured Clustering Algorithm & Data Fusion based on Dempster- Shafer Theory to enhance security in MANET	Muneeswari, Tamilarasi, and Vijaya Chamundeeswari	International Conference on Computing and Control Engineering (ICCCE '12)	58	61
18	Classification of COSMO Skymed SAR data based on Coherence and Backscattering	V.Vijaya Chamundeeswari and G.Jenny Niveditha,	Inter science Research network's International Conference on	60	63

	coefficient		Computer Science Engineering		
19	Mapping of COSMO Skymed SAR data by FCC based on Coherence and Backscattering coefficient	V.Vijaya Chamundeeswari and G.Jenny Niveditha	International Conference on Matlab applications in Engineering and Technology (ICMAET 2012)	64	68
20	Adaptive algorithm for unsupervised classification of SAR images by wavelet analysis	Chamundeeswari V.V., and Dharmendra Singh (2010),	6th International Conference on Microwaves, Antenna, Propagation and Remote Sensing, ICMARS, 2010	99	
21	Role of texture measures on roughness for labeling the clusters in SAR images	Dharmendra Singh, and Chamundeeswari V.V., (2010),	6th International Conference on Microwaves, Antenna, Propagation and Remote Sensing, ICMARS, 2010	98	
22	A Review on Binary Partition Trees in Image Processing and Its application in Object Detection	Chamundeeswari V.V. and Gurav T.H. (2010),	International Conference on Mobile Internet Devices (ICMID-2010)		
23	A novel approach for disaster monitoring with microwave/SAR images	D. Singh, and V.V.Chamundeeswari	Symposium on Vacuum electric devices and Applications	81	
24	Monitoring and change detection of natural disaster (like	D. Singh, V.V. Chamundeeswari, K. Singh,	International Conference on Recent Advances	419	421

	subsidence) using synthetic aperture radar (SAR) data	W. Wiesbeck	in Microwave Theory and Applications		
25	Change Detection module for New Orleans city of USA using Differential SAR Interferometry	V.V. Chamundeeswari, D. Singh, K. Singh, and W. Wiesbeck	37 th COSPAR scientific Montreal, Canada	2918	
26	A critical analysis to generate change detection map using SAR interferometry for land subsidence monitoring of New Orleans city of USA	V.V. Chamundeeswari, D. Singh, K. Singh, and W. Wiesbeck	International Geoscience and Remote Sensing Symposium ;the next Generation <i>IGARSS '08</i> , Boston	6	11
27	An importance of Satellite based Radar images to monitor change detection on Earth surface	D. Singh, V.V. Chamundeeswari, Saurabh Sharma and Hitesh Sharma	Proceedings of International Conference on Radio Sciences (ICRS 2008) Jodhpur	25	29
28	Intuitive movement sensing and simulation with multi finger manipulation of virtual objects,	V.V. Chamundeeswari, and R. Vivekanandam	International Conference on Human Machine Interface ICHMI '04.	-	
29	Unsupervised Land Cover Classification Via Feature Selection and Integration using PCA	V.V. Chamundeeswari, D. Singh, and K. Singh	Symposium in Earthquake engineering department ,IITR.	163	167
30	Computationally	V.V. Chamundeeswari and	ISPRS TC-IV and	69	74

	Efficient Extraction and the integration of the Multiwavelet based Features for the Segmentation of the SAR Images	D. Singh	ISRS Symposium on “Geospatial Databases for Sustainable Development”		
--	--	----------	--	--	--

National Conference

Sl.No	Title of Paper/Report	Author(s)	Name of the Conference and Year	Page No.	
				From	To
1.	A novel approach to change detection technique with analysis and validation using probability distribution function	V.V. Chamundeeswari, D. Singh, K. Singh, and W. Wiesbeck	“National symposium on Advances in remote sensing technology and Applications with special emphasis on microwave remote Sensing”	81	85
2.	Fast mosaicing by corner detection and 3-D multi baselinin	R. Vivekanandam R, V.V. Chamundeeswari, and P. Neelamegam	National Conference on Bio-Informatics and computing Patiala India	283	288
4.	A novel approach for disaster monitoring with microwave/SAR images,	Singh D., and Chamundeeswari V.V. (2009)	Symposium on Vaccum electronic devices and Applications, VEDA 2009, Banaras Hindu University	-	

5.	Unsupervised Land Cover Classification Via Feature Selection and Integration using PCA	Chamundeeswari V.V., Singh D., and Singh K.	13 th Symposium in Earthquake engineering department, Indian Institute of Technology Roorkee	163	167