

J.Vaijayanthimala,M.E,(Ph.D).,

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Research Areas:

- Image Processing
- Cloud security
- Internet of things
- Network security
- Wireless sensor networks

Academic and Professional Honors

- Awarded as a “ Best Teacher” during Catalyst 2012 Faculty Development Programme on “Personality Enhancement” held in association with ISTE on 13, 18 & 19 June 2012
- Submitted the Research proposal under the scheme “CAREER AWARD FOR YOUNG TEACHERS” (CAYT) based on my Research Area to AICTE on 01.08.2012 (Application id: 1-1220160189)

List of Research Papers Published / Presented Details: Journals:

- J.Vaijayanthimala, Dr.T.Padma, “A Novel approach to Signature Verification using Fractal Dimension”, Journal of Computer Applications (JCA) ISSN 0974-1925, Volume IV, Issue 3, 2011
- J.Vaijayanthimala, Dr.T.Padma, “ Multimodal Biometric System- Literature Survey ” in Journal of Management and Science (JMS) with ISSN number: 2249-1260 published by Non Olympic Times, Coimbatore
- T.Sugapriya, J.Vaijayanthimala, “Energy –Efficient Dynamic Data Aggregation and Routing Trees for WSN” in International Journal of Communications and Engineering, (IJCE) Volume 05- No.5, Issue: 04 March 2012.
- G.Kuppulakshmi,J.Vaijayanthimala, “Energy –“An Integrated Wireless sensor Network for monitoring gully pot Drainage, Land slides and Waste Gas Measurement” in International Journal of Scientific Engineering and Research, (JSER) ISSN 2229-5518 Volume 04, Issue : 05 May 2013.
- Anoopkumar, J.Vaijayanthimala, Dr.T.Padma, “ Passive continuous authentication system using Artificial Bee Colony” in International journal of Latest Technology in engineering ,Management and applied science”(IJLTEMAS), ISSN 2278 - 2540 Vol 3, Issue 5, May 2014
- V.M.Manish,J.Vaijayanthimala,“ Diminution of packet drop by Efficient Selection of network route in MANET” in International Journal of Computer Science Information Technology(IJSIT), published in volume 5 issue 2 pages 1852-1855
- Thomas, J.Vaijayanthimala, “A Review of Automatic License Plate Detection Using Edge Detection Methods” in International Journal for Research in Applied Science and Engineering in Technology” (IJRASET), Vol 2 , Issue V, May 2014 ,ISSN: 2321-9653

- J.Vaijayanthimala,R.Umagowri,Dr.T.Padma "Color Stabilization of Images through AWB and AE Correction methods" in Indian Journal of Engineering,2015,12(30),374-379 ,ISSN 2319-7757 ,EISSN 2319-7757
- J.Vaijayanthimala,Indhumathi.R "Melanoma Early Detection and Prevention with Real-Time Automated Skin Lesion using Dual Classifier" in Journal of Recent Research in Engineering and Technology 3(4), 2016, pp 17-26 Article ID J41604 ISSN (Online): 2349 –2252, ISSN (Print):2349 –2260
- J.Vaijayanthimala,Gowthapriya.P "Building Monitoring System for Low power wireless sensor network" International Research Journal in Advanced Engineering and Technology (IRJAET) E-ISSN-2454-4752 P-ISSN:2454-4744

International conferences:

- J.Vaijayanthimala, Dr.T.Padma, J.Kamala "Multimodal Biometric System-Literature survey " in the International Conference on Innovative Computing and Information Processing (ICICIP 2012) at Mahendra Engineering college on March 29th- 31st , 2012
- J.Vaijayanthimala, Dr.T.Padma, "Novel approach to Multimodal Biometric System "International Conference on Ever Growing and Never Ending Managerial Challenges" on 28th-30th October 2011 at Mahendra Engineering College,Namakkal
- T.Sugapriya, J.Vaijayanthimala , "Energy –Efficient Dynamic Data Aggregation and Routing Trees for WSN" in the International conference on Advanced computing Technology (ICACT 2012) at JKKN college of Engineering and Technology, Namakkal.
- T.Sugapriya, J.Vaijayanthimala, "A New Fault Tolerance Communicating Process Approach in Grid Networks " in the International Conference on Innovative Computing and Information Processing (ICICIP 2012) at Mahendra Engineering college on March 29th- 31st , 2012
- G.Kuppulakshmi,J.Vaijayanthimala,"Energy –"An Integrated Wireless sensor Network for monitoring gully pot Drainage, Land slides and Waste Gas Measurement" in the Internatinal Conference on Advanced Computing Technology (ICACT), JKK Nataraja College of Engineering and Technology, Erode on 08th and 09thMarch2013. ISBN: 97893 – 80757 – 74 – 2.
- Anoopkumar, J.Vaijayanthimala, "Passive continuous authentication system using artificial bee colony" in International conference on "INNIVATIVE ENGINEERING SKILLS' at Aishwarya College of Engineering and Technology,Bhavani on 12.02.2014
- Manish.V.M, J.Vaijayanthimala, "Enhanced Data Replication based on Demand to improve data availability in MANET" in International conference on "INNIVATIVE ENGINEERING SKILLS' at Aishwarya College of Engineering and Technology,Bhavani on 12.02.2014
- Sindhuja.P, Vaijayanthi Mala.J, Kamala.J "Identification Of Leaf Using Smart Phone And Image-Processing Techniques" in 3rd International conference on Advanced computing and communication system ICACCS 2016 at Sri Eshwar Engineering College From 22.01.16 to 23.01.16
- Vaijayanthimala.J,Indhumathi.R"Melanoma Early Detection and Prevention with Real-Time Automated Skin Lesion using Dual Classifier "Journal of Recent Research in Engineering and Technology 3(4), 2016, pp 17-26 Article ID J41604 ISSN (Online): 2349 –2252, ISSN (Print):2349 –2260

National Conferences:

- J.Vaijayanthimala, "Efficient Resource allocation for wireless multicast", NCICT'09, at Mahendra Engineering college on April 9, 2009.
- J.Vaijayanthimala, N.Radha "Morphological detection in the log CT image" , NCICT-10, at Mahendra Engineering college on 18th march, 2010
- J.Vaijayanthimala, N.Radha, " Image Enhancement using morphological transformation and weber law", first national conference on VLSI communication and computing at Senguntar Engineering college on 23rd April 2011
- Nidheesh.P, J.Vaijayanthimala, " Detection of drowsiness with Eye movement and EEG, NCICT 13 at Mahendra Engineering college on 15th March 2013
- Santhi.L.R, J.Vaijayanthimala, "Face Recognition using sparse approximated nearest points with Machine Learning Approach" NCICT 13 at Mahendra Engineering college on 15th March 2013
- G.Kuppulakshmi, J.Vaijayanthimala, " An Integrated Wireless sensor Network for Monitoring Gullypot Drainage, Landslides And Waste Gas Measurement" NCICT 13 at Mahendra Engineering college on 15th March 2013
- Krishnanivas, J.Vaijayanthimala, " Human vein identification using Index Finger Texture Images" NCICT 13 at Mahendra Engineering college on 15th March 2013
- Nishanthi, J.Vaijayanthimala, " An Imaging Touch Screen and Display for Gesture- Based Interaction" NCICT 13 at Mahendra Engineering college on 15th March 2013
- J.Vaijayanthimala, Dr.T.Padma " Face Recognition Using Genetic Algorithm and Neural Network ", NCRTC-2013 at DMI Engineering College, Nagarcovil, Aralvaimozhi-629301 on 8th March 2013
- J.Vaijayanthimala, J.Kamala " Human Expressions identified by KNN Classifier ", NCRTC-2013 at DMI Engineering College, Nagarcovil, Aralvaimozhi-629301 on March 2013
- sindhoori, J.Vaijayanthimala, Dr.T.Padma, " Multifeature face recognition using PSO-SVM, National conference on innovation in computing techniques in association with IEEE on 28th March, 2014
- Anoopkumar, J.Vaijayanthimala, "Face identification using SVD and artificial bee colony", National level conference on " Recent Trends in computing and communication ", held at vidhya mandhir Institute of Technology, Erode on 13.03.14
- Attended Two days DST sponsored National Conference on "Information Processing on Sensor Networks - IPSN '15" from 20.8.15 to 21.08.15 conducted by sona college of Technology

STTP, FDP, WORKSHOP ATTENDED :

- Attended workshop on Middleware Technologies, conducted by Anna university, at Sona college of Technology, Salem from 13.12.10 to 19.12.10
- Attended Wipro Mission 10x workshop, conducted by Wipro at Sona college of Technology, Salem from 8.2.2011 to 12.2.2011
- Attended AICTE sponsored FDP on Research Issues and challenges in wireless Adhoc and sensor networks at Vivevekananda College of engineering for women from 16.5.2011 to 29.5.2011

- Attended ISTE National Seminar " Research issues in computer science", conducted by KSR College of Engineering ,Erode on 30.8.2011
- Attended ISTE sponsored workshop on "Environmental issues in energy technologies with a focus on renewable energies" conducted by Mahendra Engineering college on 10th September 2011
- Attended ISTE sponsored workshop on Proactive approach towards quality in engineering education conducted by Maha College of Engineering on 05th October 2011
- Participated Three days International conference,"Ever growing and never ending managerial challenges" conducted by Mahendra Engineering college on , 28-30 th October 2011
- Attended CSIR sponsored National Seminar on Computational Intelligence – An Academic, Industrial, Social, & Research Perspective conducted by sona college of technology from 25th to 26th November 2011
- Attended one day ISO External auditor workshop conducted by Mahendra Engineering college on 27th January 2012
- Attended IETE sponsored workshop on " Research opportunities for Digital Image Processing in Today's Scenario on 9th March 2012
- Attended Three days Faculty Development Program on " Personality Enhancement" in association with ISTE on 13.06.2012, 17.06.12 and 18.06.2012
- Attended one day NPTEL workshop conducted on 27.10.12 organized by National Programme on Technology Enhanced Learning (IIT Madras)
- Attended 7 days Short Term Training Programme on "Next Generation Wireless Networks" on March 18th-24th 2013 sponsored by ISTE, NewDelhi-SRM University, Chennai
- Attended Two days ISO quality training in Mahendra Engineering college on 15.3.13 and 16.03.13 to improve the quality in an organization
- Attended Two weeks ISTE workshop on "Data Base Management system" conducted by IIT, Bombay during 21st May- 31st May 2013
- Attended five days Deep dive Faculty Enablement Program on "Learning IT Essentials By doing" from 8.7.2013 to 12.7.2013 at Mahendra Engineering College.
- Attended one day National Seminar on " How to write Effective Research Papers for conferences and journals" on 04.01.2014
- Attended one day International workshop on Introduction to Big Data and Social Media Analytics on March 27th 2014 in association with ACM.
- Delivered the Lecture in two days workshop on "POWER OF C" from 13.10.14 to 14.10.14 held at Mahendra Engineering college(autonomous), Namakkal
- Attended one day national seminar on "NATURE INSPIRED EVOLUTIONARY ALGORITHMS FOR BIOINFORMATICS" from 21.08.15 to 22.08.15 sponsored by Department of Biotechnology ,Govt of India in PMC coolege of technology, Hosur
- Attended two days National Seminar on "Emerging Tools to Analyze Brain Waves for Artificial Limb Technology" during November 6 and 7, 2015 by Brain Computer Interface Research Center, KSR college of Engineering(Autonomous), Erode
- Attended one day workshop on " Implementation of DSpace Software for managing e-Resources" organized by Department of MCA on 28.03.15 held at Sona college of Technology, salem
- Delivered the Lecture in Faculty Seminar Series Teacher's Acclaimed Seminar For Knowledge Sharing(TASKS) on Nature Inspired Evolutionary Algorithms' on sept 22nd 2015, Mahendra Engineering college (Autonomous), Namakkal
- Attended one day Faculty Development programme on "High Effective Teaching and Learning Methodologies" organized by Mahendra Engineering College(autonomous) on 31st October 2015.

- Attended one day Faculty Development programme in association with A2B2 IT services on "Ruling Technology of network" organized by Mahendra Engineering College(autonomous) from 30th November 2015 to 2nd December 2015
- Attended one day DST sponsored Seminar on "Computational Intelligence for Healthy Farming - Innovation Challenges and Research Perspectives " organized by Sona College of Technology,salem from 18.12.15 to 19.12.15
- Attended Two days ICTACT FDP on "C# ADO.NET " organized by M.Kumarasamy College of Engineering,Karur from 23.11.15 to 24.11.15
- Attended one day IEEE preconference workshop on "Internet of Things " organized by Mahendra College of Engineering on 4th March 2016
- Attended one day workshop on "Intellectual Property Rights " organized by Mahendra College of Engineering on 12th March 2016
- Attended a session on 21st Century –A New Paradigm for Career Women & Road show on Indian Women Network (IWN) on 20th October 2016
- Attended a CII Sponsored session on Digital Payment System at Sona College of Technology on 15th December 2016
- Attended One day SERB sponsored National Seminar on "Climate Smart Agriculture: Multi-Disciplinary Approaches Using Iot, Cloud And Big Data Organized by Kongu Engineering College on 17.12.16
- Attended three days Industrial Training session on ""Data Structures and Analysis of Algorithms"handled by Mr.Sudarsun santhiappan,Chief Scientist, Buddihealth Inc,USA at Dhirajlal Gandhi College of Technology,from 10.01.17 to 12.01.17
- Attended a Faculty seminar on "How To make industry ready teachers"handled by Mr.Sudarsun santhiappan,Chief Scientist, Buddihealth Inc,USA at Dhirajlal Gandhi College of Technology,from 10.01.17

Programmes Coordinated

<i>S.No</i>	<i>Programme</i>	<i>Duration</i>	<i>Period</i>	<i>No. of Participants</i>	<i>Nature of Involvement</i>
1	National Level Technical	One day	29.08.2008	600	Coordinator
2	MSP Workshop	One day	11.04.2010	1000	Coordinator
3	Infosys Campus Connect soft skill	five days	27.04.2010 to 01.05.2010	120	Organizer
4	Industry Connect Program	One day	22.7.2011	120	Coordinator
5	Personality Development Program	Four days	21.9.2011-22.9.2011& 26.9.2011-	117	Coordinator
6	Knowledge Management - Industry Best	One day	07.09.2011	105	Organizer
7	Multiple Intelligences-How to apply them in your sessions-Infosys Campus connect	One day	31.10.2011	100	Organizer
8	Infosys Campus Connect Technical (Foundation Program 3.1)	4 months	20.12.2011 to27.03.2012	180	Coordinator/ Trainer

9	Infosys Campus Connect Webinar	One day	19.01.2012	30	Organizer
10	Ethical Hacking workshop	Two days	23.2.2012 & 24.2.2012	200	Coordinator

S.No	Programme	Duration	Period	No. of Participan	Nature of Involvement
11	Infosys Road Show	One Day	02.3.2012	250	Coordinator
12	International Conference on Innovative Computing & Information Processing	Three Days	29.03.2012 to 31.03.2012	More than 500	Organizer
13	Personality Development Program	Four Days	8.10.12 to 11.10.12	104	Coordinator
14	Apps with Android Workshop with IEEE student chapter	Two days	05.10.2012 and	180	Coordinator
15	Infosys Spark Program sponsored by ISTE	One day	13.10.2012	1000	Event coordinat
16	Exploring MS visual Studio 2010 IDE -Infosys Campus connect Webinar	One day	29.06.2012	104	Organizer
17	SPRINGBOARD – Interdepartment function	One day	13.03.13	500	Coordinator
18	Infosys Campus Connect Advanced Java Workshop	Two days	07.07.14 & 08.07.14	60	Coordinator
19	IEEE preconference workshop	oneday	04.03.16	200	Coordinator
20	Selenium Software testing tool seminar	oneday	08.08.16	100	Coordinator
21	Placement Mock Interview	One day	06.01.17	150	Coordinator
22	Industrial Placement Training & MOU by Mr.Sudarsansanthiappan,Bud dihealth Inc,USA	Three days	10.01.17- 12.01.17	90	Coordinator

Academic Background

Degree	Specialisation /University	Year of Completion	Degree	Class and percentage
Ph.D.	Faculty of Information and communication Engineering	Anna University,Chennai	pursuing	
M.E	Computer Science and Engineering,Anna university	2010	M.E	87%
B.TECH	Information Technology,Anna University,chennai	2006	B.TECH	75%

Academic and Industrial Experience

Present: Total Experience: 10 years

- Assistant Professor, Dept. of Computer Science and Engineering, Dhirajlal Gandhi College of Technology, Salem from 20.07.2016 to till date.
- NAAC Coordinator
- Amirtha Virtual Lab Coordinator
- Value Added Program (Data Structure and Algorithm) Coordinator
- Image Processing Trainer
- Student counselor

Past: Assistant Professor, Dept. of Computer science and Engineering, Mahendra Engineering College, Tiruchengode from 30.01.2007 to 25.06.2016

Responsibilities include

- NAAC Coordinator
- Coordination and preparation of VAP course
- Coordination of Amirtha Virtual Lab Activities
- Coordination of Image Processing Training for students
- Project coordination, for the masters programmes ME Computer science and Engineering.

Research Scholars guided / guiding:

- M.Tech/M.E students : 10

Subjects Taught/Teaching:

- Internet Programming
- Visual Programming
- High speed Networks
- Compiler Design
- Computer Graphics
- Computer Networks
- Open Source Software
- Operating System
- Information security

Professional Body Membership:

- CSI
- IAENG
- SDIWC
- CSTA