

FACULTY PROFILE



Name : **Dr. V. SEENIVASAGAM**
 Present Designation : Professor & COE
 Father's Name : R. Vellaichamy
 Date of Birth & Age : 29.05.67 & 50
 Address for Communication : Controller of Examination
 National Engineering College (Autonomous)
 K. R. Nagar, Kovilpatti – 628 503
 Academic Qualification : M.E., Ph.D.,

Educational Qualification *:

<i>Category</i>	<i>Name of the Degree</i>	<i>Name of the University</i>	<i>Year of Passing</i>	<i>Specialization</i>	<i>% of Marks / Grades obtained</i>	<i>Mode Regular/ Part-time/ Distance/ week-end</i>
UG	B.E	Madurai Kamaraj University	1989	Computer Engineering	71%	Regular
PG	M.E	Manonmanium Sundaranar University, Tirunelveli	1997	Computer Science and Engineering	75%	Regular
Research	Ph.d	Manonmanium Sundaranar University, Tirunelveli	2009	Computer Science and Engineering	--	Part Time

Academic Experience

<i>Name of the College</i>	<i>Designation</i>	<i>Joining Date</i>	<i>Relieving Date</i>	<i>Experience</i>		
				<i>Years</i>	<i>Months</i>	<i>Days</i>
National Engineering College, Kovilpatti	Professor & COE	01.06.2009	Till date	8	5	27
National Engineering College, Kovilpatti	Associate Professor	01.06.2008	31.05.2009	1	0	0
National Engineering College, Kovilpatti	Assistant Professor	14.06.2004	31.05.2008	3	11	17
National Engineering College, Kovilpatti	Senior Lecturer	01.06.2000	13.06.2004	4	0	12
National Engineering College, Kovilpatti	Lecturer	22.10.1992	31.05.2000	7	7	9

Arulmigu Kalasalingam College of Engineering	Lecturer	21.07.1989	21.10.1992	3	3	0
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Papers published in International/National Journals

Sl. No	Authors	Title of the Paper	Name of the Journal	Volume and issue No.	Year
1.	Dr.V.Seenivasagam K.Ramar	Denoising of Highly Corrupted Images Using Fuzzy Neural Networks.	Indian Journal of Computing Technology,	Volume 2, Issue Pp 40-49	May 2007
2.	Dr.V.Seenivasagam	Design and Implementation of Image Restoration System : A Neural Network based comparative study	Association for the Advancement of Modeling and Simulation Techniques in Enterprises Journal	Vol.51 , no.1 Pp 33-47	2008
3.	G.Uma Maheswari Dr.D.Manimegalai V.Gomathi Dr.V.Seenivasagam K.Ramar G.Gowrision	A region based an adaptive color texture segmentation using similarity measure of symbolic object approach	Advanced Engineering Informatics	Pp 2167-2173	2011
4.	Mr.R.Velumani Dr.V.Seenivasagam	Reversible Blind HF Domain Contourlet Watermarking for Authentication of Digital Images	International journal of Computer Applications	Vol.24 No.4 Pp 22-29	June 2011
5.	Mr.Almond D'Souza Dr.V.Seenivasagam	Colour image segmentation using region-growing and region-merging methods	International journal of Biomedical Engineering and Technology	Vol. 7, No. 2, ISSN: 17526418	2011
6.	Fatima, M Mohideen Dr.V.Seenivasagam	A Marker Controlled Watershed Algorithm with Priori Shape Information for Segmentation of Clustered Nuclei	International journal of Advanced Research in Computer Science	Vol. 2, No.1	Jan Feb 2011
7.	Fatima, M Mohideen Dr.V.Seenivasagam	A hybrid image segmentation of cervical cells by bi-group enhancement and scan line filling	International Journal of Computer Science and Information Technology & Security	Vol. 2 No.2	April 2012
8.	Mr.R.Velumani	Contourlet Based	European Journal of	Vol.75	2012

	Dr.V.Seenivasagam	Reversible Semi Blind Watermarking Scheme for Medical Image Authentication with a Facial Image Watermark	Scientific Research	No.4	
9.	Mr.R.Velumani Dr.V.Seenivasagam	A Semiblind Reversible Watermarking Scheme for Authentication and Fusion of Facial Thermograms	Asian Journal of Scientific Research	DOI: 10.3923 /ajsr.201 2	2012
10.	Mr.M. Victor Jose Dr.V.Seenivasagam P.Venkadesh	Minimum Cost Virtually Single Storage Private Grid using OGA	European Journal of Scientific Research	Vol.80 No.1	2012
11.	Dr. V. Seenivasagam S. Arumugadevi	A Survey of Image Segmentation Methods using Conventional and Soft Computing Techniques for Color Images	International Journal of Advanced Research in Computer Science and Electronics Engineering	Vol. 1, Issue 6,	Aug 2012
12.	Ms.S.Arumugadevi Dr.V.Seenivasagam	Radial Basis Function Neural Networks (RBFNN) For Fire Image Segmentation	International Journal of Advanced Research in Computer Engineering & Technology	Vol. 1, Issue 6,	Aug 2012
13.	Mr.M. Victor Jose Dr.V.Seenivasagam	Enhancing Security Measures by Tunneling Protocol in Distributed Grid Network	International journal of Computer Application	Vol. 4, Issue 2,	Aug 2012
14.	Ms. R.Chitra Dr.V.Seenivasagam	Heart Disease Prediction System Using Supervised Learning Classifier	International Journal of Software Engineering and Soft Computing	Vol. 3, No. 1	Mar 2013
15.	Dr.V.Seenivasagam Mr.R.Velumani	A QR Code Based Zero-Watermarking Scheme for Authentication of Medical Images in Teleradiology Cloud	International journal on Computational and Mathematical Methods in Medicine	Vol. 2013	June 2013
16.	Mr.M. Victor Jose Dr.V.Seenivasagam	An Enhanced O pass With Modified Elliptic Curve Cryptography-	Life Science Journal	Vol. 10, No. 3	2013

		Based User Authentication Scheme For Grid Computing			
17.	Ms. R.Chitra Dr.V.Seenivasagam	Review of heart disease prediction system using data mining and hybrid intelligent techniques	ICTACT Journal on Soft Computing	Vol. 3, No. 4	July 2013
18.	Ms. R.Chitra Dr.V.Seenivasagam	Heart Attack Prediction System Using Fuzzy C Means Classifier	IOSR Journal of Computer Engineering	Vol. 14, No. 2	Sep Oct 2013
19.	Mr.R.Velumani Dr.V.Seenivasagam	Study of QR code Zero Watermarking systems in Counterlet-SVD and SVD Domains under Noise Attacks	Research Journal of Information Technology	Vol. 6, No. 4	2014
20.	Mr.R.Velumani Dr.V.Seenivasagam	Inversion attack resilient zero-watermarking scheme for medical image authentication	IET Image Processing	Vol. 8, No. 12, ISSN: 1751- 9659	2013
21.	Mr.S. Sudhakar Ilango. Dr.V.Seenivasagam	Wavelet Based Image Compression Using Soft Computing Techniques	Applied Mechanics and Materials	Vol. 573 ISSN : 1660933 6	2014
22.	Dr.V.Seenivasagam S.Subbulakshmi S.Radhamani	A Survey on Video Watermarking and Its Applications	International Journal of Advanced Research in Computer Science and Software Engineering	Vol. 4 No 3	Mar 2014
23.	Mr.M. Victor Jose Dr.V.Seenivasagam	Four Factor Secure Authentication and Authorization for Economic Grid	Research Journal of Applied Sciences, Engineering and Technology	Vol. 7, No. 11, ISSN: 2040- 7459	2014
24.	Mr.M. Victor Jose Dr.V.Seenivasagam	Enhancing Security in Resource Sharing using Key holding Mechanism	World Academy of Science, Engineering and Technology, International Journal of Computer,Electrical,Auto mation, Control and Information Engineering	vol. 8, no. 10	Dec 2014
25.	Mr.M. Victor Jose Dr.V.Seenivasagam	An Amplified Self-Destructing Data System derived from Active Storage for	Australian Journal of Basic and Applied Sciences	Vol. 8, No. 18, ISSN 1991817	2014

		Grid or Cloud Services		8	
26.	Ms. R.Chitra Dr.V.Seenivasagam	Classification Of Bioinformatics Dataset Using Hybrid Intelligent Technique	International Journal of Applied Engineering Research	Vol.9, No.26, ISSN 0973- 4562	2014
27.	Ms.J. Ida Christy Dr.V.Seenivasagam	Feed Forward Networks in Color Extended Visual Cryptography to Generate Meaningful Shares	International Journal of Security and Its Applications	Vol.9, No.1, ISSN : 1738997 6	2015
28.	Ms.M. Mohideen Fatima alias Niraimathi Dr.V.Seenivasagam	Comparison of Segmentation Algorithms by A Mathematical Model For Resolving Islands and Gulfs in Nuclei of Cervical Cell Images	International Arab Journal Of Information Technology	Vol. 12, No. 5, ISSN : 1683 - 3198	2013
29.	Ms.J. Ida Christy Dr.V.Seenivasagam	An Improved Approach for Colour Extended Visual Cryptographic Scheme using ARTMAP Network	International Journal of Applied Engineering Research	Vol.10, No.12, ISSN 0973- 4562	2015
30.	Ms. R.Chitra Dr.V.Seenivasagam	Heart Disease Prediction System Using Intelligent Network	Springer India Power Electronics and Renewable Energy Systems, Lecture Notes in Electrical Engineering	Vol. 326	Nov 2014
31.	Ms.M. Mohideen Fatima alias Niraimathi Dr.V.Seenivasagam	Radial Tracing Method of Cytoplasm Segmentation in Overlapped Cervical Cell Images	IETE Journal of Research	Vol. 61, No. 4 ISSN : 0377 - 2063	2015
32.	Ms.S.Arumugadevi Dr.V.Seenivasagam	Comparison of Clustering Methods for Segmenting Color Images	Indian Journal of Science and Technology	Vol. 8, No.7, ISSN 0974- 5645	2015
33.	Ms.K.Muthulakshmi Dr.V.Seenivasagam	Video Compression using Dual Tree Complex Wavelet and SPIHT Algorithm	International Journal of Applied Engineering Research	Vol.10, No.8, ISSN 0973- 4562	2015

34.	Ms.K.Muthulakshmi Dr.V.Seenivasagam M.Ganeswari	A Novel Video Coding Technique for Robust Video Transmission	International Journal of Computational Intelligence and Informatics	Vol 3 No.4	Mar 2014
35.		Target Localization and Failure Node Recovery Mechanism in Wireless Sensor Networks	International Journal of Applied Engineering Research	Vol 10 No.5	
36.	S. Raja Rajeswari Dr. V.Seenivasagam	Secured Energy Conserving Slot-Based Topology Maintenance Protocol for Wireless Sensor Networks	Wireless Personal Communications	Vol.87 No.2	Mar 2016
37.	S. Raja Rajeswari Dr. V.Seenivasagam D.Karthiga	Clone attack detection in Wireless Sensor Networks using ASP Protocol	International Journal of Research	Vol 2 No.11	Nov 2015
38.	S. Raja Rajeswari Dr. V.Seenivasagam D.Karthiga	Clone attack detection using Area-based PEAS Protocol for Wireless Sensor Networks	International Research Journal of Engineering and Technology	Vol 2 No.8	Nov 2015
39.	S. Raja Rajeswari Dr. V.Seenivasagam	Comparative Study on Various Authentication Protocols in Wireless Sensor Networks	Hindawi Publishing Corporation The Scientific World Journal	Vol. 2016	2016
40.	T. Samraj Lawrence Dr.V. Seenivasagam	Robot Repair Algorithm for Automatic Hole Detection and coverage in Wireless Sensor Networks	Asian Journal of Information Technology	Vol 15 No.11	2016
41.	S. Arumugadevi Dr.V. Seenivasagam	Color Image Segmentation Using Feed forward Neural Networks with FCM	International Journal of Automation and Computing	Vol. 13 No. 5	Oct 2016
42.	R.Chitra Dr.V. Seenivasagam	Myocardial Infarction Detection Using Intelligent Algorithms	Neural Network World	1014311 //NNW. 2016.26. 005	Nov 2016

43.	M. Victor Jose Dr.V. Seenivasagam	Cost-Effective Private Grid Using Object-based Grid Architecture	World Academy of Science, Engineering and Technology International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering	Vol:9 No:6	2015
44.	S.Sudhakar Ilango Dr.V. Seenivasagam	Remote Sensing Image Compression using Two Dimensional Dual Tree complex Wavelet Transform with Fuzzy Inference Filter	I J C T A	Vol:9 No:25	2016
45.	M. Victor Jose Dr.V. Seenivasagam	Enhancing security in secure resource sharing	International Journal of Enterprise Network Management	Vol:7 No:4	2016
46.	S.Kannan Dr.V. Seenivasagam	Enhanced Biometric Authentication Using Multi Feature Signature Resemblance and Multi View Edge Sectional Similarity	Asian Journal of Information Technology	Vol:15 No:14	2016
47.	T.Samraj Lawrence Dr.V. Seenivasagam	Improved Network Lifetime and Hole Detection in Wireless Sensor Networks using Robot Repair Algorithm with Topology Control Fault Tolerance	Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia	Vol. 39, No. 10, 37 - 43	2016

Publications

- Reviewer for the International journal on Image and Video Processing, India
- Reviewer for the international journal AMSE,France
- Reviewer for the International Journal of Pattern Recognition and Artificial Intelligence
- Reviewer for the International Journal of Information Technology & Decision Making.

Research Activities

- Recognized Guide in Computer Science and Engineering at **Manonmaniam Sundaranar University**, Tirunelveli.
- Recognized Guide in Faculty Information and Communication Engineering (Computer Science and Engineering) at **Anna University**, Chennai

Books Published

- Digital Computer Fundamentals (2007)
- Fundamentals of Computing and Programming (2008,2009)
- Software Engineering (2010)
- Computer Graphics (2011)

Membership:

- Life Member in ISTE
- Life Member in CSI
- Life Member in IE(I)

Services to Curriculum Development

- Board of Studies Member for Computer Science & Engineering in Anna University of Technology, Tirunelveli

Papers Presented in International Conferences

Sl. No	Title of the paper	Name of the Conference & Year
1	Design and Analysis of Neuro Fuzzy Color Image Restoration.	IEEE Computer Society Sponsored International conference –ICCIMA 2007, Volume III, December 2007 at Mepco Schlenk Engg. College, Sivakasi
2	A Reversible Blind Medical Image Watermarking Scheme for Patient Identification, Improved Telediagnosis and Tamper Detection with a Facial Image Watermark	IEEE International Conference on Computational Intelligence and Computing Research 2010 (ICCIC 10) December 28 th & 29 th 2010 at Tamilnadu College of Engineering,Coimbatore (<i>Received Best paper Award</i>)
3	A fast Fuzzy-C Means based Marker controlled Water Segmentation of Clustered Nuclei	International Conference on Computer & Electrical Technology- ICCCET 2011 , 18 th & 19 th March 2011 at National College of Engineering,Maruthakulam
4	Spherical representation based wavelet coding for image compression	International Conference on Emerging Technology Trends – ICETT-2011 , 25,26 th March 2011 at Baseliros Mathews II College of

		Engineering,Sasthamcotta..
5	Super-Spatial structure prediction approach for lossless image compression	International Conference on Emerging Technology Trends – ICETT-2011 , 25,26 th March 2011 at Baselios Mathews II College of Engineering,Sasthamcotta
6.	Object Based Grid Architecture for enhancing security in grid computing	IEEE International Conference on Signal Processing, Communication, Computing and Networking Technologies (ICSCCN), 2011 on 21-22 July 2011
7	Construction of Color Extended Visual Cryptographic Scheme Using Back Propagation Network for Color Images	IEEE International Conference on Computing, Electronics and Electrical Technologies [ICCEET] 2012 at Noorul Islam University,Thuckalay on 22.3.2012, page no 1101 - 1108
8	Different Relevance Feedback Techniques in CBIR: A Survey and Comparative Study	IEEE International Conference on Computing, Electronics and Electrical Technologies [ICCEET] 2012 at Noorul Islam University,Thuckalay on 22.3.2012, page no 1115 - 1121
9	Optimized Image Compression using Geometric Wavelets and Genetic Algorithm	International Conference on Recent Trends in Computational Methods, Communication and Controls at Government College of Engineering, Tirunelveli and published in International Journal of Computer Applications Mar 2012, page no. 38-43
10	Knowledge Discovery from Heart disease Dataset using optimized Neural Network	International Conference on Mining Intelligence and Knowledge Exploration, Springer International Publishing, 2013, page no 423 -431
11	Risk Prediction of Heart Disease based on Swarm Optimized Neural Network	Proceedings of International Conference on Computer Science and Information Technology, Springer India, ,2014 ,Pp no: 707-714
12	Segmentation and Detection of Tumor from liver CT images using Enhanced K-Means Algorithm	International Confernece on Advanced Computing and communication systems 06.01.2017 to 07.01.2017, Sri Eshwar College of Engineering

Papers Presented in National Conferences

Sl. No	Title of the paper	Name of the Conference & Year
1	Software Engineering Concepts	National Symposium conducted by Government College of Engineering, Tirunelveli during Septemper'96
2	Fuzzy Neuro Image Restoration: A survey & proposal	National Seminar conducted by Mepco Schlenk Engineering College , Sivakasi on 31.10.2001
3	Neural Network based restoration of Noisy Image – A survey and report	National Conference on Advanced Computing at PSG College of Technology, Coimbatore on 01.02.2003
4	Restoration of Noisy Image : Fuzzy Logic Approach	UGC sponsored National Conference on Recent Trends in Computational Mathematics at Gandhigram Rural Institute, Gandhigram during 18, 19 March 2004.
5	Digital Image Restoration using soft computing tools	National Conference on Networking and distributed computing(STREAK 2005), at Kamaraj College of Engineering and Technology , Virudhunagar, during March 2005. Page 91-98
6	Restoration of Noisy Medical Image : Fuzzy Logic Approach	National Conference on Advanced Communication Systems (NCACS 2005) during March 2005 at Alagappa Chettiar College of Engineering & Technology, Karaikudi
7	Image restoration with an adaptive fuzzy filter	National Conference NCCIIC' 05 at PET Engg. College, Vallioor during 7 -8 , April 2005
8	Design and Implementation of Noisy Image restoration System : A Neuro Fuzzy Approach	National Conference on computing and Mathematical modeling at Gandhigram Rural Institute – Deemed University, Gandhigram, during 25-26, March 2005, Page 67-74.
9	Image Denoising using Neural networks and Fuzzy logic	National Conference on High Performance Computing VISION '05 at Government College of Engineering Tirunelveli on 8.4.2005, Page

		544-548.
10	Design and implementation of Image Restoration	National Conference on computing and Mathematical modeling at Gandhigram Rural Institute – Deemed University, Gandhigram, during 25-26, March 2005, Page 128-135.
11	A Bluetooth Wireless Sensor Network for Security System	National Conference on Networking and distributed computing(STREAK 2005), at Kamaraj College of Engineering and Technology , Virudhunagar, during March 2005,.,Page 57-64
12	Secure Multicast AD HOC on Demand Distance Vector Routing Protocol	National Conference on Networking and distributed computing(STREAK 2005), at Kamaraj College of Engineering and Technology , Virudhunagar, during March 2005,Page 151-158
13	Energy Efficient and Traffic Rate Adaptive MAC Protocol for Wireless Sensor Network	National Conference NCCICC’ 05 at PET Engg. College, Vallioor during 7 -8 , April 2005, Page 251-256
14	Design and Implementation of a Hybrid Neuro Fuzzy Filter for Restoration of Noisy Images	National Conference on Intelligent Optimization Modeling (NCIOM-2006) at The Gandhigram Rural Institute – Deemed University, Gandhigram, during 3-4, March 2006,.,Page 199-207.
15	Evaluation of Cache Consistency in Ad-HOC Networks	National Conference on Recent Trends in Information Technology (NCRTIT06), 05.04.2006, Page 107-110
16	A Linear Approach to Recognize Human Faces under variable Lighting and Facial Expressions	National Conference on Recent Trends in Advanced Computing (NCRTAC 06) on 24.02.2006 at MS University Tirunelveli, Page 113-120.
17	Design and Implementation of SPINS Security Protocols for Sensor Networks	National Conference on Recent Trends in Communication techniques (NATCON 06) at Noorul Islam College of Engineering Thuckalay, during 8-9 March 2006, Page 313-318.
18	Recognition of Human Faces and Variable Lighting and Facial Expressions using Laplacian Faces	National Conference on Intelligent Optimization Modeling (NCIOM-2006) at Gandhigram Rural Institute , Gandhigram,

		during 3-4, March 2006, Page 287-293.
19	Design and Analysis of Neuro Fuzzy Color Image Restoration	National Conference on Mathematics, Computing and Modeling (NCMCM-2007) at Gandhigram Rural Institute, Gandhigram, during 3-4, March 2007.
20	Comparative Analysis of Restoration of Noisy Images using Neural Networks and fuzzy Neural Networks.	National Conference on Mathematics, Computing and Modeling (NCMCM-2007) at Gandhigram Rural Institute, Gandhigram, during 3-4, March 2007.
21	Design and Comparative Analysis of Fuzzy and Fuzzy Neuro Image Restoration Models	National Conference on Mathematics, Computing and Modeling (NCMCM-2007) at Gandhigram Rural Institute, Gandhigram, during 3-4, March 2007.
22	Restoration of noisy video frame images by expectation maximization algorithm	National Conference on Intelligent Computing Models (NCICM-2008) at Periyar University, Salem during 22-23 February 2008.
23	Image Restoration under significant additive noise based on genetic algorithm	National Conference on Intelligent Computing Models (NCICM-2008) at Periyar University, Salem during 22-23 February 2008.
24	Improving the performance of Software Distributed Shared Memory with Speculation :A Comprehensive Approach	National Conference on Advanced Computing and Applications (NCACA- 2009) at PSG College of Technology, Coimbatore on 7-8 February 2009, Page 151-157.
25	Simulation of an Intrusion Detection System in Homogeneous and Heterogeneous Wireless sensor networks	National Conference on Advanced Computing and Information Systems(ACIS-09) at Kongu Engineering College, Perundurai on 21-02 2009
26	Detection of an Intruder in Wireless Sensor Networks	National Conference on High Performance Computing(VISION '09) at Government College of Engineering , Tirunelveli on 1 st April 2009
27	Study and Analysis of Image Restoration Techniques	National Conference on Advanced Image Processing and Networking(NACIPAN' 10) at National Engineering College ,Kovilpatti during 5-6 March 2010
28	A Survey on Wavelet Image Compression Techniques	National Conference on Advanced Image Processing and Networking(NACIPAN' 10) at National Engineering College ,Kovilpatti

		during 5-6 March 2010
29	A Novel Block-Based Region Merging and Color Image Segmentation	National Conference on Advanced Image Processing and Networking(NACIPAN' 10) at National Engineering College ,Kovilpatti during 5-6 March 2010
30	A Study of Color Image Segmentation Algorithms using Soft Computing Techniques: A Survey and Proposal	National Conference on Advanced Image Processing and Networking (NACIPAN' 10) at National Engineering College ,Kovilpatti during 5-6 March 2010
31	Survey on Intrusion Detection System in Wireless Sensor Networks	National Conference on Advanced Image Processing and Networking(NACIPAN' 10) at National Engineering College ,Kovilpatti during 5-6 March 2010
32	Restoration of Noisy Video Images using Wavelet Transform	National Conference on Imaging, Computing, Object and Mining (ICOM 10) at Anna University,Trichy during 7-8 May 2010 , Page 3-9
33	Image Restoration using Genetic Algorithm and Fuzzy Logic	National Conference on Imaging, Computing, Object and Mining (ICOM 10) at Anna University,Trichy during 7-8 May 2010, Page 10-17
34	Image Segmentation Algorithms for Color Images : A survey and proposal	2 nd National Conference on “Emerging Trends in Computer Applications” held on 24 .2.12. at SRM University, Chennai, Page 14 - 24