FACULTY PROFILE

Name   : Dr. K.G.SRINIVASAGAN

Official Address with E-mail Id   : Professor & Head, Dean TCP

                                                       : Dept. of Information Technology

                                                       : National Engineering College

                                                       : Kovilpatti – 628 503

                                                       : kgsnec@rediffmail.com

                                                       : hodit@nec.edu.in

Mobile Number   : 9442142502

Personal Details

Age   : 54

Date of Birth   : 10.07.1967

Sex & Marital Status   : Male & Married

Citizenship   : Indian

Qualification   : M.E., Ph.D

Degree	Programme and Specialisation	Month &Year of Passing	Institute/University
Ph.D	CSE	2009	M.S. University, Tirunelveli
M.E	CSE	1998	Bharathiyar University, Coimbatore
B.E	CSE	1989	MK University, Madurai

Professional Experience   :

Designation	Institution/ Organization	Period
Professor and Dean	National Engineering College, Kovilpatti	Since Nov 2015
Professor and Head	Department of CSE-PG, National Engineering College, Kovilpatti	Sep 2010 - Oct 2015
Professor	National Engineering College, Kovilpatti	Nov 2009 - Aug 2010
Associate Professor	National Engineering College, Kovilpatti	June 2008 - Oct 2009
Assistant Professor	National Engineering College, Kovilpatti	June 2004 - May 2008
Senior Lecturer	National Engineering College, Kovilpatti	June 2000 - May 2004
Lecturer	National Engineering College, Kovilpatti	June 1998 - May 2000
Lecturer	P.S.G College of Technology, Coimbatore	June 1990 - May 1998
Lecturer	Government College of Technology, Coimbatore	Feb 1990 - May 1990
Service Engineer	M/s. Siva Computers, Mumbai.	Aug 1989 - Dec 1989

Recognized Ph.D Supervisor:

- Anna University, chennai
- Manonmanium Sundaranar University.
- No. of scholars completed Ph.D : 4
- No.of scholars pursuing ph.D : 4

    Google scholar Citation : 344

    h-index : 9

    i10 – index : 7

Research Achievements :

International Journal Publications

S.No	Title of the Paper	Name of the Journal	Vol.No , Page No. & DOI	Month & Year
1	Person Re-Identification Using LBPH and K-Reciprocal Encoding	Intelligent Automation & Soft Computing	doi:10.32604/iasc.2022.023145	2022
2	A new framework for Person Re-identification: Integrated level feature pattern (ILEP)	KSII transactions On Internet And Information Systems	http://doi.org/10.3837/tiis.2021.12.011	2021
3	Intelligent antiphishing framework to detect phishing scam: A hybrid classification approach	Journal of Software: Practice and Experience	https://doi.org/10.1002/spe.3031	Sep 2021
4	Sniff-Phish: A novel framework for resource intensive computation in cloud to detect email scam	Wiley Publication Transaction on Emerging Telecommunication Technologies	https://doi.org/10.1002/ett.3590	2019
5	Deep learned Inter-Channel Colored Texture Pattern: a new chromatic-texture descriptor	Springer Pattern Analysis and Applications	DOI: 10.1007/s10044-019-00780-9	2019
6	Tri-Chrominance texture Pattern: A new feature descriptor	International Journal of Engineering and Technology	Vol 7 15-29	2018
7	Performance evaluation of support vector machine classification approaches in data mining	Springer Cluster Computing	DOI:10.1007/s10586-018-2036-z	2018
8	A hybrid random perturbation approach for privacy preservation in perturbated data	Journal of Computational and Theoretical Nonascience	Vol. 14 Pp 3472-3481	2017
9	Comparative study of feature selection and classification of Indian online news	International journal of Emerging technology in Computer Science and Electronic	Vol 12 PP 132-137	2015
10	Abnormal video event detection and tracking using Neural Network	International Journal of Applied Engineering Research	Vol.9 pp 24775-24786	2014

11	Local Oppugnant Color Texture Pattern for image retrieval system	Elsevier- Pattern Recognition Letters (ISSN: 0167-8655) IF: 1.266,(Sl.No 6640 Annexure I)	Vol 42, pp: 72 - 78	June 2014
12	Multilevel thresholding for segmentation of medical brain images using real coded genetic algorithm	Elsevier- Measurement, IF: 1.130, (Sl.No in 5859 Annexure I)	Volume 47 P: 558-568	January 2014
13	An analysis of object detection and tracking using recursive and non recursive algorithm for motion based visualization	International review on computer and software	Volume 8-Number 12	Dec 2013
14	Image Retrieval Using Local Object Appearance and Spatial Color Layout	International Journal of Computer Science and Electronics Engineering (IJCSEE)	Volume 1, Issue 3	June 2013
15	Design of Image Retrieval Efficacy System Based on CBIR	International Journal of Advanced Research in Computer Science and Software Engineering	Page 48 Volume 3, Issue 4,	April 2013
16	Rule based Approach for Prepositional Phrase Attachment in English-Tamil Translation	International Journal of Computer Applications	Volume 63 - Number 22,PP.37-41	February 2013
17	Design of Colour and Texture Based Relevant Image Search Engine	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)	Volume 2, Issue 1	January 2013
18	Automatic Tag Cloud realization of web search results using Incremental clustering By Directions Algorithm	International Journal of Computer Applications	ICON3C / 1 12 - 17	May 2012
19	Collaborative user building concept based profile	International Journal of Computer Applications	ICON3C / 3 07 - 11	May 2012
20	An automated crime pattern detection using k-means clustering	International Journal of Advanced Operations Management	Vol. 3 No. 3/4	2011
21	Minimizing End-to-End Delay using Multipath Routing in Wireless Sensor Networks	International journal of computer applications	Volume 21– No.5,	May 2011
22	Coverage Maintenance using Mobile Nodes in Clustered Wireless Sensor Networks	International journal of computer applications	Volume 21– No.4	May 2011
23	A New Text Mining Approach Based on HMM-SVM for Web News Classification	International journal of computer applications	Volume 1 – No. 19	2010
24	Image Recovery Using Apocs	CiiT International Journal of Digital Image Processing	Vol.1, No.3	June 2009

25	Image Reconstruction: A Survey	International Journal of image processing and Networking Techniques	Vol.2, No.1	June 2009
26	Image Recovery: Issues and Challenges	AMSE journal, France	Vol. 51, No.3,	2008
27	Tamil handwritten word recognition	AMSE journal, France	Vol. 50, No.3	2007
28	Hidden Markov Model based Tamil handwritten Character recognition	AMSE journal, France	Vol. 50, No.2	2007

National Journal Publications

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year
1	Tamil handwritten recognition using crucial combinations	Indian Journal of Information Science and Technology	Vol 1	November 2005

International Conference Publications:

S.No	Title of the Paper	Name of the Conference	Organizer	Month & Year
1	LBPH Based Person Re-identification using K-Reciprocal Encoding	IEEE Sponsored-International Conference on Innovative Trends In Information Technology (ICITIIT-20).	IIIT, Kottayam	February 13-14, 2020
2	Artificial Intelligence Managed Network Defense System against Port Scanning Outbreaks	International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN)	Vellore Institute of Technology (VIT), Vellore	March 30-31, 2019
3	An Investigation on Wannacry Ransomware and its Detection	IEEE international Symposium on Computers and Communications (ISCC)	IEEE computer Society Brazil	June 25-28 2018
4	An efficient method for crowd event recognition based on motion patterns	Recent trends in information technology	MIT, Anna University Chennai	April 10 - 12, 2014
5	Parallel HMM based Tamil handwritten recognition	Recent trends in information technology	MIT, Anna University Chennai	April 10 - 12, 2014
6	An automated system for Tamil Named Entity Recognition using Hybrid Approach	International Conference on Intelligent Computing Applications	Baharathiyar University, Coimbatore	March 6 - 7, 2014
7	An efficient dependency parser using hybrid approach for Tamil language	International Conference on Intelligent Computing Applications	Baharathiyar University, Coimbatore	March 6 - 7, 2014

8	Image retrieval using local object appearance and spatial color layout	International Scientific Academy of Engineering &Technology(ISAET),	International Scientific Academy of Engineering &Technology(ISAET), Malaysia	May 8-9, 2013
9	Classification of ECG signals for rural areas	BSSI 2012	IIT Chennai	November 27-29, 2012
10	A novel technique for change detection in medical images using UDWT & SOM	BSSI 2012	IIT Chennai	November 27-29, 2012
11	Semantic Based Orthographic with Prepositional Phrase for English-Tamil Translation	IEEE Proceedings of 4th International Conference on Intelligent Human Computer Interaction	IIT Kharagpur, India	December 27-29, 2012
12	Multi-Document and Multi-Lingual Summarization using Neural Networks	ICON3C 2012	Government College of Engineering, Tirunelveli	April 2012
13	Multi Class Classifier based on Hybrid HMM-SVM for online news Classification	International Conference on Sensors, Security, Software and Intelligent Systems(ISSSIS 2009)	Coimbatore Institute of Technology, Coimbatore, India	Jan 2009
14	An Automated Crime Pattern Detection using K-Means Clustering	International conference on Operation Research Applications in Engineering and Management(ICOREM)	Anna University, Tiruchirappali	May 2009
15	HMM based Character Recognition	4th FAE International Conference	European university of Lefke, Turkey	Dec 2006
16	Tamil handwritten word recognition using fuzzy values	4th FAE International Conference	European university of Lefke, Turkey	Dec 2006
17	A Novel Tamil handwritten word Recognition using Hybrid Features	International Symposium Management Engineering ISME '06	Graduate School of Information Waseda University, Japan,	March 2006.
18	A novel hybrid Handwritten word recognizer	International Conference on Resource Utilization and Intelligent Systems INCRUIS'06	Kongu Engineering College, Perundurai	January 2006
19	Optimizing feature selection using Genetic algorithms for Tamil handwritten numerals recognition	International Conference on Operations research applications in infrastructure development, ICORAID '05	Indian Institute of Science, Bangalore	December 2005.
20	A Novel Approach for Tamil OCR using Hidden Markov Models	International conference on ADCOM 2003	PSG College of Technology, Coimbatore	December 2003
21	Peer Level Communication on Local Area Network"	International AMSE Conference on CMSC'99	Jaipur, India	December 1999
22	An Neural Network based Medical Expert System	International AMSE Conference on CMSC'99	Jaipur, India	December 1999

| 23 | Enhancement of Medical Images | International AMSE Conference on CMSC'99 | Jaipur, India | December 1999 |

National Conference Publications

S.No	Title of the Paper	Name of the Conference	Organizer	Month & Year
1	Invarient and Region based Offline Handwritten Character Recognition	National Conference on Electrnics, Signal Processing communication and embedded systems	Coimbatore Institute of Technology	February 27,28,2014
2	The development of syllable based text to speech system for Tamil language	National Conference on Electronics, Signal Processing communication and embedded systems	Coimbatore Institute of Technology	February 27,28,2014
3	A novel approach for intrusion detection in cloud security	National conference on Recent advances in information technology and computer science	Kongu Engineering College,Erode	March 21,2014
4	Image Object Retrieval & Recognition Based on Descriptive Features Using SVM	National Conference on Emerging Trends in Computer Communications and Informatics	Tamil Nadu College of engineering, Coimbatore	March 3,4,2014
5	A Novel Approach for Tamil Handwritten Word recignizer	National Conference on Intelligent Optimization Modeling	The Gandhigram Rural Institute, Deemed University, Gandhigram	March 2006
6	Genetic Based feature selection for Handwritten recognition	National Conference on Recent trends in communication Techniques	Noorul Islam College of Engineering,Kumaracoil	March 2006
7	Wavelet Based OCR for Tamil Scripts	National Conference on Recent trends in communication Techniques	Noorul Islam College of Engineering,Kumaracoil	March 2006
8	A Novel Approach of Handwritten Character recognition	National Conference on Recent trends in communication Techniques	Noorul Islam College of Engineering,Kumaracoil	March 2006
9	Hybrid Handwritten Word recognition for Tamil Script	National conference on Emerging Trends in Computer communication and Networks"	Adhiyamaan College of Engineering, Hosur	January 2006
10	Tamil Handwritten Character recognizer	National conference on recent trends and emerging Technologies in Electrical systems"	National Engineering College, Kovilpatti	October 2005.
11	Fuzzy based Tamil hand written character recognition	National Conference SACOEFERENCE,	Dr.Sivanthi Aditanar College of Engineering, Tiruchendur	August 2005
12	Offline word Recognizer using Neural Networks	National Conference on Analysis of Computer Algorithms	Annamalai University, Annamali Nagar, Chidambaram	March 19-20 ,2005
13	Word Recognizer using Viterbi Algorithm	National Conference on Bio-Signal, Communication and	Sri Sivasubramaniya nadir College of	March 18-20,

		Networking	Engineering, Chennai	2005
14	Word Recognizer using Neural Network	National Conference on Vision Graphics and Image processing	Jawaharlal Nehru National College of Engineering, Shimoga, Karnataka	March 2-3, 2005
15	A Novel Intelligent Character Recognizer	National Conference on RPIT 2004	Sri Longowal Institute of Engineering and Technology, Longowal	March 2004
16	Recent developments in offline handwritten character recognition system	National Conference on Advanced Computing,	PSG College of Technology, Coimbatore	Feb 2003
17	Feature extraction for Pattern Recognition: A study	ISTE National Seminar on Recent Advancement in Engineering and Technology (NSRAET)	Mepco Schlenk Engineering College, Sivakasi	October 2001
18	A Study on recognition of unconstrained Characters	National Conference on Resent Trends in Advance Computing, NCRTAC 2001	National Engineering College, Kovilpatti	February 2001
19	ITV – Information Technology for Villages – A dream and its bottlenecks	National Seminar on Recent advances in Information Technology	Thiyagarajar College of Engineering, Madurai	February 2000
20	Electronic Business System – E-Com	National Seminar on recent advances in Information Technology	Thiyagarajar College of Engineering, Madurai	February 2000
21	Design of Multiple Mutilayer Classifier for Pattern Recognition	Conference on Advances in Computing cADCOM'98	Calicut	April 1998
22	Efficient Learning Algorithm for Feed Forward Neural Network	Operational Research Society of India Jamshedpur	Operational Research Society of India Jamshedpur	December 1997
23	Handwritten Digital Recognition using Genetic Algorithm and Neural Network	Symposium on Intelligent System, IEEE Chapter	IISc, Bangalore	November 1997

Expert Lecture Delivered   :

S.No	Title	Venue	Date
1	AICTE-QIP Sponsored short term course on "Research perspective in data management schemes in engineering applications"	Alagappa Chettiar Government College of Engineering and Technology	Dec 5, 2018
2	AICTE-QIP Sponsored FDP on "Computer Vision and its Applications"	Alagappa Chettiar Government College of Engineering and Technology	March 14, 2018
3	AICTE Sponsored FDP on "Applications of Evolutionary Computing Techniques for Satellite Image Processing"	Mepco Schlenk Engineering College,Sivakasi	May 22,2013

4	Pattern Recognition and its Issues	International Scientific Academy of Engineering &Technology(ISAET),Malaysia	May 9, 2013
5	CIIL Sponsored "Tamil – POS Tagging"	Madurai Kamaraj University,Madurai	March 3, 2013
6	DRDO Sponsored Advancements in Brain Image Analysis Towards Research	S.R.Rengasamy College of Engineering For Women, , Sivakasi.	1st march 2013
7	Handwritten Character Recognition	Central Institute of Indian Languages, Mysore.	4th -5th February 2013
8	Research Issues and challenges in Pattern Recognition	Manonmaniam Sundaranar University, Tirunelveli.	17th -23rd December 2012
9	Image File Formats and image Processing	Regional Centre Anna University Tirunelveli Region,Tirunelveli.	7th December 2012
10	Statistical and Syntactical Pattern recognition	Dhanalakshmi srinivasan College of Engineering & technology,Chennai.	19th October 2012
11	DRDO Sponsored "Image Retrieval"	Mepco Schlenk Engineering College, viruthunagar.	10th -11th October 2012
12	Pattern Recognition: Research Perspective	RMD Engineering College, Chennai	22 June 2012
13	Research Issues in Digital Image Processing	MEPCO SCHLENK Engineering College,sivakasi	17 March 2012
14	Image Retrieval	G.Venkataswamy Naidu College	2 February 2012
15	Emerging Trends in Green IT	Arul Aanandar college,Karumathur	4 January 2012
16	Virtual Reality	Arulmighu Kalasalingam Arts and Science College	March 2010
17	Soft Computing	PET Engineering College, Vallioor	24 March 2010
18	Neural Network and its application	Noorul Islam University, Kumaracoil	13 March 2010
19	Pattern Recognition: Research Perspective	Madurai Kamaraj Univeristy, Madurai.	9 December 2009
20	Windows Operating System	Lakshmi Ammal Polytechnic College, Kovilpatti	2 July 2003
21	Latest trend in IT field	CMTES Informatics limited, Kovilpatti	16 February 2002
22	Capability Maturity Model	CSI Students Chapter, National Engineering College	May 2001
23	Internet and its use	Department of Computer Science and Engineering, NEC	May 1999
24	Internet	ISTE Students Chapter,NEC	October 1999

Short term Courses / Seminars / Conference/ Workshops organized:

S.No	Title	Period
1	CIIL Sponsored seminar on "Research perspectives on Speech and language processing for human computer interaction"	02.01.2014 & 05.01.2014
2	2 days workshop on "Hands on training in Matlab"	23.08.2013 & 24.08.2013
3	One day Special Lecture on "Advancements in Image Processing Towards Research"	16.03.2013
4	CSIR Sponsored National conference"NACIPAN'13"	March 2013
5	DST Sponsored "Research issues and challenges in cognitive science"	01-02-2013 & 02-02-2013
6	CIIL Sponsored "Research perspetive on speech language processing"	03.12.12 to 06.12.12
7	Two days seminar on "Research Motivation : A Perspective"	30.11.12 to 01.12.12
8	One day workshop on "Exploring Matlab"	20.10.2012
9	One day workshop on "Insight Into Matlab"	01.09.2012
10	National conference NACIPAN'12	March 2012
11	National conference NACIPAN '11	March 2011
12	DRDO sponsored two days seminar on "Natural Language Processing"	March 2011
13	National conference NACIPAN '10	March 2010
14	National conference NACIPAN '09	March 2009
15	National conference NACIPAN '08	March 2008
16	National Conference NACCA '06	February 2006
17	International conference IRIS '06	January 2006
18	Anna University sponsored FDP on "ATM Networks"	November 1-6, 2004
19	CEEP on "Competency development in complex C and Java"	07-10-2003 to 10-10-2003

Short term Courses / Seminars / Conference/ Workshops Attended :

S.No	Title	Period	Venue
1	Introduction to graphs and Geometric Algorithms	July 2009	Tata Institute of Fundamental Research at Indian Institute Science (IISc), Banaglore
2	Recent methods and tools for design of fault diagnosis and Fault tolerant systems for Wireless networks	2-3 August 2007	National Engineering College, Kovilpatti,

3	Recent trends in Information Technology	26 and 27, July 2007	Madras and Hexaware Technologies Ltd., Chennai at IIT, Madras
4	Bioinformatics and Genome Analysis	February 14 – 18, 2005	Indian Institute of Science, Bangalore
5	Multimedia Communication Security	May 17 – 22, 2004	Noorual Islam College of Engineering, Kumaracoil, Thuckalay
6	Multimedia Systems	October, 27 - 31, 2003	Indian Institute of Science, Bangalore
7	Document Image Analysis and Recognition	July 8-20, 2002	P.E.S College of Engineering, Mandya, Karnataka
8	Strategic Planning for Institutional Development	November 19th to December 1st , 2001.	National Engineering College, Kovilpatti
9	Software Processes Management And Capability Maturity Model	May 28th to June 9th 2001.	PSG College of Technology, Coimbatore
10	Values of Engineering Education	February 2001	National Engineering College, Kovilpatti
11	Multimedia and Applications	November 29 to December 12, 1999.	Kongu Engineering College, Perundurai,
12	Internet and its Uses	May 1999	National Engineering College, Kovilpatti
13	AS 400	May 1999	PentaSoft, Tirunelveli
14	Object Oriented Design	March 2-14,1998	Karnataka Regional Engineering College, Surathkal
15	Software Training	January 20 – 31 , 1997	IIT Bombay
16	Parallel Computers	September 1996	CDOC, Pune at PSG College of Technology, Coimbatore
17	Need Analysis Computer Science and Engineering Subjects	August 10,1996	Dept. of Computer Science and Engineering, IIT, Chennai at PSG College of Technology, Coimbatore
18	Computer Maintenance	March 20 - 31, 1996	Shri. G.S.Institute of Technology and Science, Indore
19	PC Hardware and Interface design	February 26 - 29, 1992	PSG College of Technology, Coimbatore
20	AI and Expert System	November 18 – 28, 1991	PSG College of technology, Coimbatore

Membership in Professional bodies:

Name of Society	Grade of Membership
Institution of Engineers (India) **(IE (I))**	Life Member
Computer Society of India (**CSI**)	Life Member
Indian Society of Technical Education (**ISTE**)	Life Member

Chair Person : Acted as a chair person in the international conference held at Malaysia

Reviewer : Reviewer for international journals and conferences