

BIO DATA



Personal Details

Name : NITHYA J.
Designation : Professor
Date of Joining : 01.07.1999
Nature of Association : Regular
Email : nithyaj@ksrct.ac.in

Academic Qualifications:

S.No	Qualification	Institution	Board / University	Full Time/Part Time	Percentage / CGPA	Year of passing	Class Obtained
1.	Ph.D Information & Communication	K.S.Rangasamy College of Technology, Tiruchengode	Anna University , Chennai	Part Time	-	October 2015	Completed
2.	M.E Applied Electronics	K.S.Rangasamy College of Technology, Tiruchengode	Anna University , Chennai	Part Time	83	June 2007	FWD
3.	B.E. Electronics & Communication	Government College of Technology, Coimbatore	Bharathiar University, Coimbatore	Full Time	79.46	May 1999	FWD

Employment details with experience:

INSTITUTION	DESIGNATION	PERIOD		YEARS OF EXPERIENCE
		FROM	TO	
K. S. Rangasamy College of Technology, Tiruchengode	Lecturer	July 1999	May 2004	4.3
	Senior Lecturer	June 2004	May 2007	3
	Assistant Professor	June 2007	May 2012	5
	Associate Professor	June 2012	May 2015	3
	Professor	June 2015	Till Date	4.11
TOTAL EXPERIENCE				20

Title of the thesis: FETAL ABDOMINAL CONTOUR EXTRACTION AND MEASUREMENT FOR IMPLEMENTATION OF COMPUTER AIDED GROWTH MONITORING SYSTEM

Awards Received

1. Received BEST MENTOR – QEEE AWARD for the academic year (2018-2019)
2. Received NPTEL ELITE TOP PERFORMER AWARD for the academic year (2018-2019)

List of Publications

INTERNATIONAL JOURNALS	
1.	Nithya, J. , and Radha, K., ‘Image similarity assessment based on feature based sparse representation’, International journal of Engineering research & Technology, Vol.2, Issue 4, 2013.
2.	Nithya, J. , and AnuVaishali, S., ‘Image Segmentation using modified spatial fuzzy C-Means’, International Global journal of Research Analysis, Vol. 2, Issue 11, November 2013.
3.	Nithya, J & Madheswaran, M, ‘Tracing of Fetal abdominal circumference using Bio-inspired Computation’, International Journal of Applied Engineering Research, vol.9, no.22, pp. 16595-16603, 2014.
4.	Kalaivani, P., Nithya, J. , ‘Security in medical images using enhanced visual secret sharing scheme’ International journal of scientific engineering and technology research 3, no. 9, 1642-1645 , 2014
5.	Deepika, C., & Nithya, J "Nature Inspired Metaheuristic Algorithms for Multilevel Thresholding Image Segmentation-A Survey." World Academy of Science, Engineering and Technology, International Journal of Mathematical, Computational, Physical, Electrical and Computer Engineering 8, no. 10, 1356-1361,2014
6.	Nithya, J & Madheswaran, M, ‘Fetal ultrasound image denoising using Curvelet Transform’, ICTACT Journal on Image and Video processing, vol.5, no.03, pp. 951-955, 2015.
7.	Nithya, J. , & Mugilya, M., ‘Integrated Bee Colony and Tabu Search Optimization for Feature Selection and Classification of Breast Cancer in Digital Mammogram Images’, Middle-East Journal of Scientific Research 24 (Techniques and Algorithms in Emerging Technologies): 207-214, 2016.
NATIONAL & INTERNATIONAL CONFERENCE	
1.	Nithya, J. , " Extraction of common carotid artery intima media complex based on snakes " In 2nd National Conference on Innovations in computing techniques, Mahendra Engineering College,2007
2.	Nithya, J. , & M. Madheswaran. "Detection of intrauterine growth retardation using fetal abdominal circumference." In 2009 International Conference on Computer Technology and Development, vol. 2, pp. 371-375. IEEE, 2009.

3.	Nithya, J. , " Medical image contour extraction using Ant colony optimization with active contour model " In Doctoral student conference on Information and Communication Technology, Muthayammal Engineering College,2011
4.	Nithya, J. , " Boundary detection in medical images using edge following algorithm based on vector image model and edge map " In International Conference on Emerging trends in computer and communication technologies, Maria College of Engineering,2012
5.	Nithya, J. , " Extracting fetal parameter using GVF snake model based on Ant Colony Optimization " In International Conference on Advances in Communication and Technology, Muthayammal Engineering College, Rasipuram ,2012
6.	Nithya, J. , " Intrauterine growth restriction prediction by extracting Fetal Abdominal Circumference using GVF snake model based on Ant colony optimization " International Conference on Interdisciplinary Research and Development, Bangkok, Thailand, 2012
7.	Nithya, J. , " Enhanced Security for Medical Images using Biocrypt Systems " International Conference on Innovative Engineering skills, Aishwarya College of Engineering and Technology, 2014
8.	Nithya, J. , " Medical image security using cryptography and biometrics " National Conference on Recent Innovations in Intelligent Computing Techniques(NCRIICT'14) CSI Student Chapter, K.S.Rangasamy College of Technology,2014
9.	Nithya, J. , " Automatic Region Segmentation Using Watershed Algorithm and Neural Networks " National Conference on Recent Innovations in Intelligent Computing Techniques(NCRIICT'14) CSI Student Chapter, K.S.Rangasamy College of Technology,2014
10.	Nithya, J. , " Multilevel Thresholding for Image segmentation using Enhanced cuckoo search Algorithm " IEEE 2nd International Conference on Knowledge collaboration in engineering (ICKCE – 2015) Kathir college of Engineering, 2015
11.	Nithya, J. , " Integrated BEE Colony and Tabu Search Optimization for feature selection and classification of Breast Cancer in Digital Mammogram Images " 3rd International Conference on Frontiers of Computational Intelligence –ICFCI'16 ,K S Rangasamy college of Technology, 2016
12.	Nithya, J. , " Content based image retrieval using colour string coding & string comparison " National Conference on Social Mobile Analytics & Cloud – NACSMAC'16,Knowledge Institute of Technology, 2016
13.	Nithya, J. , " Navigation and Monitoring System for Visually impaired persons using Smart Glass Integrator with Machine Learning " 5th National Conference on Advancement in Electrical Power,Signal Processing and Communication System ESCON'18, Selvam College of Technology,2018

14.	Nithya, J., " Automatic Classification of teeth using Deep CNN " 11th National Conference on Trends in Engineering Applications NCTEA'19, Velalar College of Engineering and Technology,2019
15.	Nithya, J., " Web Application for blood donation management system using Angular JS " 11th National Conference on Trends in Engineering Applications NCTEA'19, Velalar College of Engineering and Technology,2019

List of Workshops / Seminar / STTP/FDPs Attended

Sl. No.	Title	Venue	Duration	Sponsoring Authority
Workshop/Seminar				
1.	Workshop on "Teaching Technology and Counselling skills"	K.S.Rangasamy College of Technology, Tiruchengode	14.09.02-15.09.02	Abirami Academy, Chennai
2.	Workshop on "Integrated Circuits and Microcontrollers"	K.S.Rangasamy College of Technology, Tiruchengode	08.12.05-09.12.05	
3.	Workshop on "Digital Image processing"	Sri Ramakrishna Engineering College, Coimbatore	08.02.07	South Dakota school of mines and Technology, USA
4.	Workshop on "Nanotechnology"	K.S.Rangasamy College of Technology, Tiruchengode	11.01.07-12.01.07	TNSCST
5.	Workshop on "Circuit simulation using Multisim software"	K.S.Rangasamy College of Technology, Tiruchengode	08.12.07	Computer India, Coimbatore
6.	Workshop on "Research methodology"	Muthayammal Engg College, Rasipuram	09.02.08	
7.	Workshop on "Algorithms in Image Processing"	Velalar College of Engineering and Technology.Erode	06.09.08	
8.	Workshop on "Orientation program for research scholars"	Anna University, Coimbatore	07.06.08-08.06.08	Centre for research, Anna University
9.	Seminar on "Emerging trends in embedded controller and its application"	K.S.Rangasamy College of Technology, Tiruchengode	14.11.08-15.11.08	CSIR
10.	Workshop on "Neural networks for Image processing"	Anna University, Coimbatore	30.01.09-31.01.09	
11.	Workshop on "Algorithms in Image Processing"	Velalar College of Engineering and Technology. Erode	11.09.09-12.09.09	

12.	Seminar on “Research challenges of data security in grid and cloud computing”	K.S.Rangasamy College of Technology, Tiruchengode	19.03.10-20.03.10	CSIR
13.	Seminar on “IEEE distinguished lecture programme”	Muthayammal Engg College, Rasipuram	09.04.10	IEEE Electron devices society India chapter
14.	Seminar on “An Intelligent based wireless Ad Hoc and Sensor networks and its application with Ocean technology”	K.S.Rangasamy College of Technology, Tiruchengode	19.08.11-20.08.11	Ministry of Earth Science
15.	Workshop on “Research Challenges in Signal Processing”	Knowledge Institute of Technology, Salem	03.08.12-04.08.12	
16.	Seminar on “Software Project Management”	K.S.Rangasamy College of Technology, Tiruchengode	24.08.12	ICTACT
17.	Workshop on “Research Aspects of M2M Technology and Wireless Sensor Networks in Space Communication”	K.S.Rangasamy College of Technology, Tiruchengode	30.11.12-01.12.12	DRDO
18.	Seminar on Step-2 Research by Amal Jyothi College of Engineering, Kanirapally,	K.S.Rangasamy College of Technology, Tiruchengode	19.09.14-20.09.14	ISTE Kerala Section
19.	Workshop on “Intellectual Property Rights”	K.S.Rangasamy College of Technology, Tiruchengode	6.8.2016	Anna University, Chennai
20.	Seminar on “Writing Research Papers, Predatory Journals, Copy Right, Plagiarism, Citation Analysis and Impact factor”	K.S.Rangasamy College of Technology, Tiruchengode	19.11.16	
21.	FDP on “Networking simulation and Qualnet software”	K.S.Rangasamy College of Technology, Tiruchengode	04.10.17	DELL SOFT Technologies
22.	Seminar on “Role on DST in Promoting S&T eco Systems in India; avenues and opportunities”	K.S.Rangasamy College of Technology, Tiruchengode	18.11.17	Nano Science & Technology
23.	Seminar on “How to write a successful project proposal to funding agencies”	K.S.Rangasamy College of Technology, Tiruchengode	21.07.18	Library & Readers club
24.	Seminar on “Contribution of mathematical models in Biomedical Imaging”	Velalar College of Engineering and Technology, Erode	14.05.19	CSIR

Faculty Development Programs				
1.	SDP on “Mobile computing”	KSR College of Engineering	13.07.06-24.07.06	AICTE
2.	SDP on “Signal and Image analysis using Time / Frequency transforms”	Muthayammal Engg College, Rasipuram	30.05.11-12.06.11	AICTE
3.	SDP on “Pattern recognition for medicine: A knowledge engineering approach”	K.S.Rangasamy College of Technology, Tiruchengode	20.06.11-01.07.11	AICTE
4.	FDP on “Recent Advances in Pattern Recognition-Artificial Intelligence Models And Analysis in Biometrics”	K.S.Rangasamy College of Technology, Tiruchengode	25.03.13-06.04.13	AICTE
5.	STTP on “Technical Communication”	K.S.Rangasamy College of Technology, Tiruchengode	08.10.15-05.12.15	IIT Bombay,MHRD
6.	FDP on ‘Switching circuits and logic design’	K.S.Rangasamy College of Technology, Tiruchengode	1.07.18 - 30.10.18	NPTEL- AICTE, MHRD

Details of Membership In Professional Societies:

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1.	ISTE	Life Member	Life Member: LM42841

Dr.J.Nithya