

BIO DATA

Personal Details



Name : **C SARASWATHY**

Designation : Associate Professor

Date of Joining : 23.05.2005

Nature of Association : Regular

Email : csaraswathy66@gmail.com

Academic Profile

S.No	Qualification	Institution	Board / University	Full Time/ Part Time	Percentage / CGPA	Year of passing	Class Obtained
2.	M.E	Government College of Technology, Coimbatore	Anna University, Coimbatore	Full Time	67.81	2005	First class
3.	B.E	K.S.Rangasamy College of Technology, Tiruchengode.	Madras University, Chennai	Full Time	66	2001	First class
4.	HSC	J.K.K.R.Girls Higher Secondary School, Komarapalayam	State Board	Full Time	71.25	1997	-
5.	SSLC	J.K.K.R.Girls Higher Secondary School, Komarapalayam	State Board	Full Time	79.4	1995	-

Employment details with Experience:

S.No.	ORGANIZATION	DESIGNATION	PERIOD		YEAR OF EXPERIENCE
			FROM	TO	
1.	K.S.Rangasamy College of Technology, Tiruchengode.	Associate Professor	01.06.2015	Till Date	4.3
2.		Assistant Professor	01.06.2010	31.05.2015	5
3.		Senior Lecturer	01.06.2008	31.05.2010	2
4.		Lecturer	23.05.2005	31.05.2008	3
Total					14.3

Awards Received

1. Received “Best Library User Award” for the Academic Year 2012-2013, 2013-2014 and 2014-2015.

List of Publications

INTERNATIONAL JOURNALS	
1.	P.Seetha Lakshmi, P.Selvapriya , J.Vinith Franklin, S.Vishnupriya, , C.Saraswathy "A Novel Approach for Oil Spill Detection in SAR Imagery" International Journal for Trends in Engineering & Technology Volume 27 Issue 1–March 2018 (ISSN: 2349 – 9303)
2.	R.Kalaivani, S.Luthubullah, S.Mahendran, T.Malarkodi, C.Saraswathy, "Bus Announcement System for Amaurotic" International Journal of Innovative Research in Computer and Communication Engineering March 2017.
3.	P. Karthika, C.Saraswathy, "Super Resolution and Non-Gaussian Noise Reduction of High Frame Rate Videos " Journal of Emerging Technologies in Image Processing and Networking, Volume 10 Issue 2 February 2015.
4.	P. Karthika, C. Saraswathy, "Non-Gaussian Noise Reduction and Object Tracking of High Frame Rate Videos" International Journal of Inventions in Computer Science and Engineering Volume 2 Issue 4 April 2015 (ISSN: 2348-3539).
5.	R.Ramya, Saraswathy C, Y.Vivekananth "Motion Estimation Based on Noise Reduction in Color Video Using LMMSE and Anisotropic Diffusion Filtering" . International Journal of Electrical and Electronics Engineering Research (IJEEER) ISSN(P): 2250- 155X; ISSN(E): 2278-943X Vol. 5, Issue 1, Feb 2015, 87-94 TJPRC Pvt. Ltd.

6.	V.Suresh, C.Saraswahty “ Separable Reversible Data Hiding Using Compression in Encrypted Image ” International journal of advanced in electronics and communication engineering (IJARECE) volume 2, issues 5, May 2013 (ISSN: 2278-909X).
7.	G.Nandhini, C.Saraswathy “ SAR Image Despeckling Using Wavelet And Curvelet Transform ” International Journal of P2P Network Trends and Technology, volume3 issue
8.	M.Saranya, C.Saraswathy , “Speckle reduction in ultra sound image” International Journal of Electronics and Computer Science Engineering, Volume 1, pg. no. 343
National & International Conference	
1	A.Dheenulhuk, M.Dharanipriya, R.Hemalatha, K.Gowrishankaran, C.Saraswathy “Assessment of Skeletal Maturity in Radiographic Images Using Convolutional Neural Network” 7th National Conference on Networking and Communication Systems, 15th March 2019.
2	P.Seetha Lakshmi, P.Selvapriya , J.Vinith Franklin, S.Vishnupriya, , C.Saraswathy “A Novel Approach for Oil Spill Detection in SAR Imagery” 2nd International Conference on Advances in Informatics and Communication Tachnologies, March 2018.
3	A.Swetha, V.Vigneshwaran, R.Vimalarasi, S.Sabarirajan, C.Saraswathy , “Diagnosis of Diseases using Heartbeat Sound” 3rd International Conference on Advanced Engineering and Technology for Sustainable Development (ICAETSD), March 2017.
4	N.Anupriya, C. Saraswathy , “Reduction of Random and Fixed Pattern noise through Adaptive Regularization of Nonlocal filtering(R-NL)in Video” International Conference on Engineering Innovations and Solutions(ICEIS-2016) April 2016.
5	E.Deepika, R.Dharmaseelan, V.Indumathi, P.Jayaprakash, C.Saraswathy , “Real Time Monitoring of Agricultural Field and Disease Detection in Plants Using Zigbee Technology” National Level Conference on Industrial Automation & Safty(NLC-IAS’ 31 th March, 2015.
6	C.Karthick, C.Saraswathy , ”SAR Image Segmentation Based on Hierarchical Merging Method” 2014 IEEE International Conference on Innovations in Engineering and Technology(ICIET’14) 21 th and 22 nd March, 2014.
7	B. Indhu, C.Saraswathy “Colour Video Denoising Based on Interframe and Intercolor Correlation with LMMSE Filtering” International Conference on Electronics and Communication Systems (ICECS’ 14) February 13-14 (2014).
8	G.Nandhini, C.Saraswathy “SAR image despeckling based on wavelet and curvelet transform” International Conference on Innovations in Intelligent Instrumentation, Optimization and Signal Processing (2013).
9	V.Suresh, C.Saraswahty “Separable reversible data hiding Rc4 algorithm” proceeding of the international conference on pattern recognition, informatics and mobile engineering (PRIME) February 21-22 (2013).
10	M.Saranya, C.Saraswathy , “Speckle reduction in ultra sound image” International Conference on Emerging Trends in Computer and Communication Technology, February 2012.

11	M. Balasubramanian, C. Saraswathy, "A low error area efficient fixed width multiplexer-based array multiplier", Sixth National Conference on Optimization Techniques in Engineering Science and Technology, April 2011.
12	C.Saraswathy, C.Anandaraj, "Image denoising based on bilateral filter with wavelet thresholding", National Conference on Recent advancements in Engineering and Technology, April 9, 2010.
13	C. Saraswathy, R.S.Kamalakaran, "Improved CMOS dynamic logic performance with low power for 4-bit multiplier" Third National Conference on Emerging Trends in Communication and Information Technology, April 2009.
14	C. Saraswathy, S.P. Kesavan, "An analysis of open source floating point divider on FPGA for SOCS" National Conference on Emerging Technology, February 2008.

List of Workshops / Seminar / STTP/FDPs Organized

Sl. No.	Title	Venue	Duration	Sponsoring Authority
Workshop/Seminar				
1	Signals and Systems	K.S.Rangasamy College of Technology	2 nd to 12 th Jan 2014	-
2	Engineering Challenges for Smart & Digital India: Internet of Things (IoT) and Application	K.S.Rangasamy College of Technology	Nov 20 th to 1 st Dec 2017	AICTE

List of Workshops / Seminar / STTB/FDPs Attended

Sl. No.	Title	Venue	Duration	Sponsoring Authority
Workshop/Seminar				
1	Antenna Design and Simulation Using ANSYS HFSS	K.S.Rangasamy College of Technology	6 th March 2017	-
2	Antenna Design and analysis using CEM simulation tools	K.S.R.Institute for Engineering and Technology	March 18 th 2016	
3	Control systems	K.S.Rangasamy College of Technology	2 nd to 12 th Dec 2014	-
4	Signals and Systems	K.S.Rangasamy College of Technology	2 nd to 12 th Jan 2014	-

5	Mixed Signal Design for CMOS VLSI Systems	Kongu Engineering College	16 th Feb 2013	-
6	Xilinx FPGA Based Signal Processing Applications & Wind River Vx Works	K.S.Rangasamy College of Technology	March 17 th to March 19 th 2011	-
7	DSP & Its Applications	S.D.M.Institute of Technology	26 th to 28 th July 2010	-
8	Advance in Wireless Communication	K.S.Rangasamy College of Technology	5 th March 2010	-
9	Pattern Recognition for Medical Imaging	K.S.Rangasamy College of Technology	25 th to 26 th March 2010	-
10	Graphical System Design in Engineering Education	K.S.Rangasamy College of Technology	26 th Feb 2009	-
11	Tanner Tools Pro	K.S.Rangasamy College of Technology	9 th August 2008	-
12	Circuit Simulation Using Multisim Software	K.S.Rangasamy College of Technology	8 th Dec 2007	-
13	Integrated Circuits & Micro Controllers	K.S.Rangasamy College of Technology	8 th to 9 th Dec 2005	-
Faculty Development Programme				
1	Antenna and Wave Propagation	K.S.R.Institute for Engineering and Technology	Nov 27 th to 3 rd Dec 2017	-
2	Internet of Things(IOT) and Applications	K.S.Rangasamy College of Technology	Nov 20 th to 1 st Dec 2017	AICTE
3	CMOS, Mixed Signal and Radio frequency VLSI Design	K.S.Rangasamy College of Technology	Jan 30 th to 4 th Feb, 2017	-
4	Use of ICT in Education for online and Blended Learning	K.S.Rangasamy College of Technology	May 2 nd to July 10 th , 2016	AICTE

5	Signals and Systems	K.S.Rangasamy College of Technology	12 th to 18 th June 2013	
6	Digital Image Processing	Kavery Engineering College	27 th to 28 th Feb 2009	AICTE
7	Industrial Automation On Neuro Fuzzy and It's Applications	Kavery Engineering College	28 th to 29 th May 2008	AICTE

Details of Membership In Professional Societies

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1	IETE	Life Member	AM-217723

(C.SARASWATHY)