

BIO DATA



Personal Details

Name : **SARANYA C**
Designation : Assistant Professor
Date of Joining : 03.01.2007
Nature of Association : Regular
Email : saranyac@ksrct.ac.in

Academic Profile

S.No	Qualification	Institution	Board / University	Full Time/ Part Time	Percentage / CGPA	Year of passing	Class Obtained
1.	M.E. (VLSI Design)	K.S.Rangasamy College of Technology, Tiruchengode	Anna	Full time	80	June 2007	First class with distinction
2.	B.E. - Electronics & Communication Engineering	Vivekanandhaa College of Engineering for Women	Anna	Full time	70	April 2005	First class
3.	HSC	Kongunadu matric higher secondary school	State	Full time	84	May 2001	First class with distinction
4.	SSLC	Government Higher secondary school	State	Full time	82	May 1999	First class with distinction

Employment details with Experience:

S.No.	ORGANIZATION	DESIGNATION	PERIOD		YEAR OF EXPERIENCE
			FROM	TO	
1.	K.S.Rangasamy College of Technology, Tiruchengode.	Assistant Professor	1.6.2010	Till date	9.2
2.		Lecturer	01.06.2007	31.5.2010	3
Total					12.2

Funds Received

S.No.	Academic Year	Agency	Title	Grant Received
1.	2011-2012	CSIR	Sixth National conference on ETCIT-12	40,000
2.	2016-2017	ICMR	National seminar on “Deep learning: Smart tool for big data challenge in healthcare”	50,000

List of Publications

INTERNATIONAL JOURNALS	
1.	R.Balathandapani, D.Boopathi, S.Jotheeswaran, G.Arundeva, C.Saranya , “Automatic rain water and crop saving system using embedded technology”, International Journal of Science, Engineering and Technology Research, Volume 4, Issue 3, March 2015, ISSN: 2278-7798.
2.	Saranya C , Indumathi A, Jayasree T, Madhan S, Manoharan K, “IoT Based Machine Driven Detector of Paucity and Meticulous Irrigator of Plants”, International Journal of Science and Innovative Engineering & Technology ,1-6,2018.
3.	Jamuna Subramaniyan , C.Saranya , “Low power filtering via Voltage Over- Scaling based residue number system”, Image processing and networking ,Volume-8,special issue III ,Feb 2014, ISSN No:0973-2993
National & International Conference	
1.	C.Saranya , S.Mythili, “Direct torque control of five phase induction motor using TMS320F2407 digital signal processor”, National Conference on Recent trends in electrical, electronics, instrumentation & communication engineering, Mahendra engineering college, Tiruchengode, 9 th March’09.

2.	C.Saranya , K.M.Nithya, “VLSI implementation of BIST based test pattern generation using nano memory technology”, National Conference on Telecommunication in health care engineering, Velalar college of engineering and technology college, Erode, 26 th March’11.
3.	C.Saranya , Angel.P.Mathew, “VLSI implementation of an edge oriented image scaling processor using modified multiplier”, National Conference on Cutting edge technologies in power conversion and industrial drives, Bannari amman institute of technology, Sathyamangalam, Erode, 2011.
4.	C.Saranya , Y.Vivekananth, “Automatic image segmentation by dynamic region growth and multiresolution merging for bio-medical applications”, International Conference on Science engineering and technology, IRNet, Chennai, 25th December’11.
5.	C.Saranya , P.K.Srikanth, “Analysis and Implementation of a low power / High speed point pipeline FFT/ IFFT Processor”, Thiruvalluvar college of Engineering and technology, Vandavasi, ICFTEE – 2012
6.	C.Saranya , Gibi Sunny, “Cryptography based on Hash function BLAKE in VLSI”, IEEE -International Conference on Research and Development Prospects on Engineering Technology, March 29 & 30 2013 Vol.3
7.	S.Suganya, C.Saranya , “An efficient VLSI architecture for nonbinary LDPC decoder with adaptive message control”, IEEE International conference on Green computing, Communication and Electrical Engineering, 6-8 th March, 2014.
8.	C.Saranya , “Test vectors generation using BIST scheme”, 2015 IEEE International conference on Engineering and technology, Rathinam technical campus, Coimbatore, 20 March 2015.
9.	S.Subhashini, S. Uhhayavalli, C.Saranya , “An efficient image processing in images”, Third International conference on Advanced Engineering and technology for sustainable development, March 30 and 31 March 2017, Volume 1, Karpagam college of Engineering, Coimbatore-32
10.	C.Saranya , “Aura profanation surveying entity using IoT”, Third International conference on Advanced Engineering and technology for sustainable development, March 30 and 31 March 2017 at Karpagam college of Engineering
11.	C.Saranya , “Automatic attendance updation using smartphone and Wi-Fi fingerprinting with IoT”, International conference on Engineering and Advancement in Technology, Sri Krishna college of technology, Coimbatore, March 22 & 23 2018.

12.	C.Saranya , “IoT based machine driven detector of paucity and meticulous irrigator of plants”, International conference on Engineering and Advancement in Technology, Sri Krishna college of technology, Coimbatore, March 22 & 23 2018.
13.	C Saranya , “Classification and recognition of cardiac murmur based on deep-learning”, Fifth International Conference on latest trends in science, Engineering and technology, Karpagam Institute of Technology, Coimbatore, March 22 & 23, 2019.
14.	C.Saranya , “Comparison of HDFT VLSI architecture with FFT”, International Conference on Information sciences and renewable energy sources, Selvam college of technology, Namakkal, March 2019.

List of Workshops / Seminar / STTP/FDPs Organized

S.No	Title	Duration	Sponsoring Authority
1.	Xilinx FPGA based signal processing applications & Wind River vx works	17.3.2011-19.03.2011	KSRCT
2.	Fifth National conference on ETCIT-11	April 1-2, 2011	KSRCT
3.	CSIR sponsored sixth National conference on ETCIT-12	March 2-3, 2012	CSIR
4.	Two day workshop on Frontend and Backend ASIC design using Synopsys EDA tools	11 and 12 September, 2015	KSRCT
5.	ICMR sponsored National seminar on Deep learning: Smart tool for big data challenges in Healthcare	July 22 and 23, 2017	ICMR

List of Workshops / Seminar / STTB/FDPs Attended

S.No.	Institution	Course Title	Date
1.	PSNA College of Engineering & Technology	SDP on Adaptive signal processing their applications	22.01.2007-02.02.2007

S.No.	Institution	Course Title	Date
2.	Kongu Engineering College	SDP on Custom computing	27.05.2007-09.06.2007
3.	K.S.Rangasamy College of Technology, Tiruchengode	Circuit Simulation using Multisim Software	08-12-2007
4.	Bannari Amman Institution of Technology	Workshop on Advanced wireless & optical Networks	15.12.2007
5.	Anna University, Chennai	Workshop on Design trends in deep submicron CMOS VLSI	28.03.2008 & 29.03.2008
6.	K.S.Rangasamy College of Technology, Tiruchengode	Tanner Tools pro	09-08-2008
7.	PSG College of Technology	Workshop on FPGA based system design using Altera EDA tool	17.10.2008
8.	K.S.Rangasamy College of Technology, Tiruchengode	Graphical system design in engineering education	26-02-2009
9.	EQIP foundation, Coimbatore at KSR group of Institutions, Tiruchengode	Faculty empowerment workshop on VLSI design & laboratory	9.12.2014-13.12.2014
10.	Indian Institute of Technolgy, Kharagpur	Two-week ISTE STTP on Signals and systems under the National Mission on Education through ICT(MHRD)	2.1.2014-12.1.2014
11.	Indian Institute of Technolgy, Bombay	Two-week ISTE STTP on Comput Networking under the National Mission on Education through ICT(MHRD)	28.5.2014-5.7.2014
12.	Indian Institute of Technolgy, Bombay	Two-week ISTE STTP on Pedagogy for effective use of ICT in Engineering Education under the National Mission on Education through ICT(MHRD)	5.1.2015-31.1.2015
13.	Indian Institute of Technolgy, Kharagpur	Two-week ISTE STTP on CMOS, Mixed signal and radio frequency VLSI Design under the National Mission on Education through ICT(MHRD)	26.12.2017-4.2.2017
14.	K.S.Rangasamy College of Technology, Tiruchengode	Ministry of Earth Sciences (MoES) Sponsored Seminar on Cognitive Satellite Geodesy	23.6.2017 & 24.6.2017

S.No.	Institution	Course Title	Date
		Image Processing and Remote Sensing	
15.	K.S.Rangasamy College of Technology, Tiruchengode	AICTE-ISTE sponsored Induction / Refresher programme on Big data Analytics & Machine Learning	04-09, June 2018
16.	K.S.Rangasamy College of Technology, Tiruchengode	STTP through ICT mode on NBA Accreditation under National Institute of technical teachers' training and research, Kolkata	22.4.2019-26.4.2019
17.	Vivekanandha College of Engineering for Women, Tiruchengode.	Anna University sponsored FDTP on Signals and Systems	03.06.19-08.06.19

Details of Membership in Professional Societies

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1.	ISTE	Life member	LM 54048
2.	IETE	Life member	AM 217759

C.SARANYA