

## BIO DATA

### Personal Details

Name : **Dr.S.VASANTHI**  
Designation : Associate Professor  
Date of Joining : 11.06.2001  
Nature of Association : Regular  
Email : [vasanthi@ksret.ac.in](mailto:vasanthi@ksret.ac.in)



### Employment details with Experience:

S.No.	ORGANIZATION	DESIGNATION	PERIOD		YEAR OF EXPERIENCE
			FROM	TO	
1.	K.S.Rangasamy College of Technology, Tiruchengode.	Associate Professor	01.06.2012	Till date	7.3
2.		Assistant Professor	01.06.2008	31.05.2012	4
3.		Senior Lecturer	01.06.2006	31.05.2008	2
4.		Lecturer	11.06.2001	31.05.2006	4.11
<b>Total</b>					18.2

### Academic Profile

S.No	Qualification	Institution	Board / University	Full Time/ Part Time	Percentage / CGPA	Year of passing	Class Obtained
1.	Ph.D. (Information & Communication Engineering)	Anna University Chennai	Anna University Chennai	Part Time	-	2015	I
2.	M.Tech (Biomedical Engineering)	IITM Chennai	IITM Chennai	Full Time	9.38	2005	I with Distinction

3.	B.E (Electronics&C ommunication Engineering)	K.S.Rangasamy College of Technology, Tiruchengode	Madras University	Full Time	79.2	2000	I with Distinction
5.	HSC	K.K.M &Hr.Sec.School, Namakkal	State Board	Full Time	90	1996	I
6.	SSLC	K.K.M &Hr.Sec.School, Namakkal	Matric Board	Full Time	85	1994	I

### List of Publications

INTERNATIONAL JOURNALS	
1.	<b>S.Vasanthi</b> , Dr. R.S.D. WahidaBanu, “Automated Feature Extraction and Classification of Anatomical Structures in Retinal Images”, International Journal of Applied Engineering Research, Vol: 9, No: 21, pp. 10753-10766, 2014. ISSN: 0973-4562.
2.	<b>Vasanthi, S</b> , WahidaBanu, R S D, “Automatic Segmentation and Classification of Hard exudates to detect macular edema in fundus images”, Journal of Theoretical and Applied Information Technology, Vol. 66, No. 3, pp. 684 – 690, 2014.
3.	<b>Vasanthi, S</b> , WahidaBanu, R S D, “Segmentation and Classification of Optic Disc in Retinal images”, Research Journal of Applied Sciences, Engineering and Technology, Vol. 8, No. 13, pp. 1563-1571, 2014.
4.	Merlin Sheeba, <b>Vasanthi. S</b> , ‘An Efficient ELM Approach for Blood Vessel Segmentation in Retinal Image’, Bonfring International Journal of Man Machine Interface, Vol.1, pp.15-21, Special Issue, December 2011, DOI: 10.9756/BIJMMI.1004
5.	Richu Paul, <b>Vasanthi. S</b> , ‘ Abstraction of Exudates in color fundus images’, Advances in Computing & Communication 2011, Part III CCIS 192, Springer, pp: 213-220, 2011, ISSN: 1865-0929.
6.	Gogila Devi. K, <b>Vasanthi. S</b> , ‘Segmentation of Optic Disc and Macula in Retinal Images’, International Journal of Engineering Research & Technology, Vol. 2, No. 4, pp.2764-2770, April 2013, ISSN: 2278-0181.
7.	Angurajsiva. J, <b>Vasanthi. S</b> , ”Abnormality classification of Diabetic Macular Edema in Retinal images”, International Journal of Innovative Research in Science, Engineering & Technology, Vol. 3, Special Issue 1, pp. 517-522, January 2014, ISSN: 2319 – 8753.
8.	Archana.G, Avinaya.V, Chegireddykeerthi, Gayathrishivaram, <b>Vasanthi. S</b> , “Abnormality Detection and Its Severity Classification in Retinal Images”, International Journal of Research in Engineering & Advanced Technology, Vol.1, No: 1, pp. 1-5, 2013, ISSN: 2320 – 8791.
9.	Ramesh Kumar S, Pradeepha D, Mythili L, Navaz Khan N, <b>Dr.Vasanthi S</b> , “Agricultural Production Stasis and Farming Assistance System”, International Journal of Advanced Research in Basic Engineering Sciences and Technology, Vol.4, No.5, pp. 357 - 363, 2018.

10.	S.Vasanthi, V.Manisha, R.Madhumitha, A. Manikandan, C. Lingeswari, “Skin Disease Prognosis from Dermoscopic Images with Image Processing and IoT”, International Journal of Intellectual Advancements and Research in Engineering Computations, Vol. 7, No. 1, pp. 76-84, 2019.
11.	V.Ramya, A. Subashini, D. Vishalakshi, M. Vishwanathan, Dr. S.Vasanthi, “ Review on Image Processing Techniques for Optic Disc Segmentation”, International Journal of Information Technology & Mechanical Engineering, Vol. 4, No. 12, pp. 1-14, 2018.
12.	C.P.Niranjana, Dr. S.Vasanthi, “Detection of Exudates and Optic Disc using Superpixel Multifeature Classification”, International Journal of Information Technology & Mechanical Engineering, Vol.4, No.12, pg. 15-30 ISSN: 2349-28 <b>Impact Factor: 1.227</b>

### INTERNATIONAL CONFERENCE

1.	<b>Vasanthi. S</b> , WahidaBanuR.S.D., ‘Detection of exudates and blood vessels in fundus images of eye using image processing’, Proceedings of International Conference on Advanced Communication and Informatics, pp.53-54, Jan 2009.
2.	P.Kalaiselvan, <b>S.Vasanthi</b> , “VLSI Implementation of Impulse Noise Removal Using Image Denoising Technique”, Proceedings of International Conference on Advanced Computing Technology 2012.
3.	G.E Mohamed Musthafa, <b>S.Vasanthi</b> , “ ECAT Architecture for distributed Arithmetic based DCT”, Proceedings of International Conference on Advanced Computing Technology 2012.
4.	G.E.MohamedMusthafa, <b>S.Vasanthi</b> , “Distributed Arithmetic based DCT with Error Compensated Adders tree” , Proceedings of International Conference on Advances in Electrical and Electronics Information Communication and Bio- Informatics pp: 84 – 90, Jan 2012.
5.	<b>Vasanthi. S</b> ,WahidaBanu R.S.D., ‘Retinal Blood Vessel Segmentation using an Extreme Learning Machine Approach’, Proceedings of IEEE conference on Point-of-Care Healthcare Technologies, pp.318-321, Jan 2013. 978-1-4673-2767-1/13
6.	Mohanapriya. G, <b>Vasanthi. S</b> , ‘Detection and Classification of Lesions in Retinal Images’, Proceedings of International Conference on Bio-Signals, Images and Instrumentation, March 2013, pp. 15-24.
7.	Gogila Devi. K, <b>Vasanthi. S</b> , ‘Detection and Segmentation of Optic Disc in Retinal Images’, Proceedings of International Conference on Bio-Signals, Images and Instrumentation, March 2013, pp. 186-194.
8.	Sangeetha. A, <b>Vasanthi. S</b> , ‘Detection and quantification of Exudates in Color Fundus Images’, Proceedings of the International Conference on Innovations in Communications and Computer Engineering, pp. 67, 2015.
9.	Lavanya K.G., <b>Vasanthi. S</b> , ‘Detection and Classification of Features in Fundus Images of Diabetic Patients – A Review’, Proceedings of International Conference on Intelligent Information Technologies, pp. 337-345, 2014.
10.	A. Preethi, <b>S.Vasanthi</b> , “Retinal Arteriovenous Nicking Quantification from Colour Fundus Images”, Proceedings of IEEE Sponsored 3 <sup>rd</sup> International Conference on Electronics and Communication Systems, pp. 3622-3626, 2016.
11.	Preethi. A, <b>Vasanthi. S</b> , “A Survey on Retinal Blood Vessel Extraction for Arteriovenous Nicking Quantification”, Proceedings of International Conference on Electrical, Electronics & Computer Engineering, pp. 77-81, 2016.
12.	Anish Kumar M, Dhivya P, GowthamHariharan P, Jayabharathi R, <b>Vasanthi S</b> , “An IoT based automatic Door Locking System Controlled by Face Recognition”, Proceedings of 3 <sup>rd</sup> International Conference on Advanced Engineering and Technology for Sustainable Development, vol. 1, pp. 301-304, 2017.

13.	Shilpa K, Susmitha R, Swathi K V, Vijay M, <b>Vasanthi S</b> , “IoT based Vehicle Diversion”, Proceedings of 3 <sup>rd</sup> International Conference on Electrical Electronics and Computer Engineering, pp. 1-6, 2017.
14.	Ramesh Kumar S, Pradeepa D, Mythili L, Navaz Khan N, <b>Dr.Vasanthi S</b> , “Agricultural Production Stasis and Farming Assistance System”Proceedings of 8th International Conference on Engineering and Advancement in Technology, 2018.
15.	S.Vasanthi, V.Manisha, R.Madhumitha, A. Manikandan, C. Lingeswari, “Skin Disease Prognosis from Dermoscopic Images with Image Processing and IoT”, Proceedings of 5th International Conference on Latest Trends in Science, Engineering and Technology, pp. 39, 2019.

### **List of Workshops/Seminar/STTP/FDPs/Conference Organized**

Sl. No.	Title	Venue	Duration	Sponsoring Authority
<b>Workshop/Seminar/Conference</b>				
1.	National Conference on ETCIT	K S Rangasamy College of Technology, Tiruchengode	01.04.11 - 02.04.11	-
2.	SDP on “Image Processing & its Application: A Decision Support System for Health Care”	K S Rangasamy College of Technology, Tiruchengode	30.04.12 - 11.05.12	AICTE
3.	Workshop on “Antenna Design and Simulation using Ansys HFSS”	K S Rangasamy College of Technology, Tiruchengode	07.03.17	-
4.	FDP on "Engineering Challenges for Smart & Digital India: Internet of Things (IoT) and Applications"	K S Rangasamy College of Technology, Tiruchengode	20.11.17 - 01.12.17	AICTE

### **List of Workshops / Seminar / STTP/FDPs Attended**

Sl.No.	Title	Venue	Duration	Sponsoring Authority
<b>Workshop/Seminar</b>				
1.	National workshop on” Matlab& its Applications”	NITTTR, Chennai	29.11.07- 30.11.07	-
2.	Workshop on” Circuit Simulation using Multisim Software”	K.S.RangasamyCollege of Technology, Tiruchengode	08.12.07	-
3.	Workshop on” Tanner Tools Pro”	K.S.RangasamyCollege of Technology, Tiruchengode	09.08.08	-
4.	Course on” Communicative English” by Col’s Calibre, Coimbatore	K.S.RangasamyCollege of Technology, Tiruchengode	06.10.08	-

5.	Training on "Research Culture & Plagiarism"	GCE, Salem	20.01.09	-
6.	National workshop on "Neural Networks for Image Processing"	Anna University, Coimbatore	30.01.09-31.01.09	-
7.	National Seminar on "Advances in Wireless Communication"	K.S.Rangasamy College of Technology, Tiruchengode	05.03.10	-
8.	National Seminar on "Pattern Recognition for Medical Imaging"	K.S.Rangasamy College of Technology, Tiruchengode	25.03.10-26.03.10	-
9.	National workshop on "Engineering Pedagogy"	SDM Institute of Technology, Ujire	29.07.10-31.07.10	-
10.	Workshop on "Xilinx FPGA based Signal Processing Applications & Wind River VX works"	K.S.Rangasamy College of Technology, Tiruchengode	17.03.11-19.03.11	-
11.	Workshop on "High Impact Teaching Skills Mission 10X"	K.S.R College of Engineering, Tiruchengode	31.05.11-04.06.11	Wipro
12.	Labview Core I & II	National Instruments, Bangalore	14.11.11-18.11.11	-
13.	National Seminar on "Computational Intelligence in Medicine and Health care"	Bannari Amman Institute of Technology, Sathyamangalam	10.08.12-11.08.12	CSIR
14.	Workshop on "Pedagogy for effective use of ICT in Engineering Education" by IIT Bombay	K.S.Rangasamy College of Technology, Tiruchengode	5.01.15-31.01.15	-
15.	Workshop on "Big Data Processing using Machine Learning Techniques"	SNS College of Technology, Coimbatore	23.9.15	-
16.	ICMR Sponsored National Seminar on "Deep Learning: Smart Tool for Big Data Challenge in Health Care"	K.S.Rangasamy College of Technology, Tiruchengode	22.07.17-23.07.17	ICMR
17.	Workshop on "Emotional Intelligence"	Vivekanandha College of Engineering for Women, Tiruchengode	18.7.18 - 19.7.18	ICT Academy

**STTP/Faculty Development Programme**

1.	Training Programme on "Teaching Methodologies"	IITM, Chennai	31.01.04 - 02.02.04	Technical Teacher's Training Institute, Chennai
2.	STTP on "Fourier Transform, Wavelet Transform and Applications"	IITM, Chennai	13.12.04 - 24.12.04	QIP
3.	FDP on "Electromagnetic Fields"	K.S.Rangasamy College of Technology, Tiruchengode	07.11.05 - 19.11.05	Anna University Chennai
4.	FDP on "Networks and Systems"	IITM, Chennai	28.04.07 - 29.04.07	IEEE MAS

5.	FDP on “Semiconductor Devices & Analog Circuits”	IITM, Chennai	24.11.07 - 25.11.07	IEEE MAS
6.	SDP on “Current and future trends in Medical Image Processing and Analysis”	K.S.Rangasamy College of Technology, Tiruchengode	15.06.09 - 27.06.09	AICTE
7.	Short time course on “ Workshop on Medical Imaging”	IIT, Kharagpur	02.01.11- 08.01.11	-
8.	SDP on “ Pattern Recognition for Medicine: A Knowledge Engineering Approach”	K.S.Rangasamy College of Technology, Tiruchengode	20.06.11- 01.07.11	AICTE
9.	STTP on “Biomedical Systems, Signals and Images”	IITM, Chennai	21.11.11- 25.11.11	AICTE
10.	SDP on “Image Processing and Its Application: A Decision Support System for Health Care”	K.S.Rangasamy College of Technology, Tiruchengode	30.04.12- 11.05.12	AICTE
11.	SDP 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
12.	One Week ISTE STTP on “Technical Communication” by IIT Bombay	K.S.Rangasamy College of Technology, Tiruchengode	24.8.15- 28.8.15	ISTE

### **Details of Membership In Professional Societies**

S.No.	Name of Professional Body	Grade of Membership	Membership No.
1.	ISTE	Life Member	LM54044
2.	IETE	Life Member	M-217720

**Vasanthi S**