

BIO DATA

Personal Details

Name : **Dr. S.SARUMATHI**
Designation : Associate Professor
Date of Joining : 01/06/1998
Nature of Association : Regular
Email : sarumathi@ksrct.ac.in



Academic Profile

S.No	Qualification	Institution	Board / University	Full Time/ Part Time	Percent age / CGPA	Year of passing	Class Obtained
1	Ph.D	Anna University, Chennai	Anna University, Chennai	Part Time		December 2016	-
2	M.E	K.S.Rangasamy College of Technology, Tiruchengode	Anna University, Chennai	Part Time	85	June 2007	First Class with Distinction
3	B.E	Vinayaka Missions Kirupanandha Variyar Engineering College, Salem	Madras University, Chennai	Full Time	61	April 1994	First

Employment details with Experience:

S.No.	ORGANIZATION	DESIGNATION	PERIOD		YEAR OF EXPERIENCE
			FROM	TO	
1.	K.S.Rangasamy College of Technology, Tiruchengode.	Associate Professor	01/06/2016	Till date	3.3
2.		Assistant Professor	01/06/2007	31/05/2016	09
3.		Senior Lecture	01/06/2003	31/05/2007	04
4.		Lecturer	01/06/1998	31/05/2003	05
Total					21.3

Awards Received

1. Received Elite Award(NPTEL) for the academic year (2017-2018)
2. Received Elite Award(NPTEL) for the academic year (2018-2019)

Funds Received

1. Received Rs.15000 from CSIR, Govt. of India towards one day seminar on Recent Trends in Information Security, 1st January 2009.

List of Publications

INTERNATIONAL JOURNALS	
1.	G Malathi, S Sarumathi , ' Survey on Grid Scheduling', Journal of Computer Applications,(3), 22,2010.
2.	S Sarumathi , N Shanthi, G Santhiya, 'A Survey of Cluster Ensemble',International Journal of Computer Applications 65 (9),2013.
3.	S Sarumathi , N Shanthi, M Sharmila, 'A Comparative Analysis of Different Categorical data clustering ensemble methods in data mining', International Journal of Computer Applications 81 (4),2013.

4.	S Sarumathi , N Shanthi, M Sharmila, 'A Review: comparative Analysis of Different Categorical Data Clustering Ensemble Methods', International Journal of Computer, Information Science and Engineering 7 (12),2013.
5.	S Sarumathi , N Shanthi, M Sharmila , 'Analysis of Diverse Clustering Tools in Data Mining', World Academy of Science, Engineering and Technology, International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:7, No:12, 2013.
6.	S Vidhya, S Sarumathi , N Shanthi, 'Comparative Analysis of Diverse Collection of Big Data Analytics Tools', International Journal of Computer, Electrical, Automation, Control and Information Engineering, Vol:8, No:9, 2014.
7.	S Sarumathi , N Shanthi, S Vidhya, M Sharmila, 'A review: comparative study of diverse collection of data mining tools', International Journal of Computer, Electrical, Automation, Control and Information Engineering, Vol:8, No:6, 2014.
8.	S Sarumathi , N Shanthi, S Vidhya, M Sharmila, 'A Comprehensive Review on Different Mixed Data Clustering Ensemble Methods', International Journal of Mathematical, omputational, Physical, Electrical and Computer Engineering, Vol:8, No:8, 2014.
9.	S Sarumathi , & Shanthi, N 2015, 'Comprehensive Analysis of Data Mining Tools', World Academy of Science, Engineering and Technology, vol. 9, no. 3, pp. 830-840, (Impact Factor: 0.12, Annexure II-2014.2, Serial No.: 20409).
10.	S Sarumathi , Shanthi, N & Sharmila, M 2015, 'Linked Spectral Graph based Cluster Ensemble Approach using Weighted Spectral QualityAlgorithm for Medical Data Clustering', WSEAS Transactions on Computers, vol. 14, pp. 430-443, (Impact Factor:0.036, Annexure II-2014.2, Serial No.: 20473).
11.	S Sarumathi , N Shanthi, S Vidhya, P Ranjetha, 'STATISTICA Software: A State of the Art Review', International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:9, No:2, 2015.
12.	S Sarumathi , N Shanthi, S Vidhya , 'Satellite Rainfall Prediction Techniques - A State of the Art Review', International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering Vol:9, No:2, 2015.
13.	S Sarumathi , N Shanthi, 'Analysis of Diverse Cluster Ensemble Techniques', International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:9, No:11, 2015.
14.	S Sarumathi , & Shanthi, N 2016, 'A Neural Network Based Cluster Ensemble Approach for Biological Data Clustering', Asian Journal of Research in Social Sciences and Humanities, vol. 6, no. 8, pp. 745-763, (Impact Factor: 0.315, Updated List of Journals-2016, Serial No.: 1107).
15.	S Sarumathi , Shanthi, N & Sharmila, M 2016 (Online), 'Weighted Delta Factor Cluster Ensemble Algorithm for Categorical Data Clustering in Data Mining', The International Arab Journal of Information Technology, vol. 14, no. 3, (Impact Factor: 0.582, Annexure I-2014.1, Serial No.: 3733).
16.	G.Malathy, S.Sarumathi , 'Enhancement of Dual-Criteria Scheduling Using Reservation Cluster', International Journal of Printing, Packaging & Allied Sciences 4 (No. 3),2016 , Updated List of Journals-2016.

17.	S Sarumathi, N Shanthi, P Ranjetha,' Comprehensive Analysis of Big Data and its Tools',Journal of Information Technology and Sciences, Vol:2, Issue:1,2016.
18.	S Sarumathi , S Madhumitha, S Mercy, P Pradeeish, ' An Automatic Framework for the Detection of Skin Cancer using Digital Images', International Journal of Advanced Technology in Engineering and Science, Vol:7, Issue:3,2019.
National & International Conference	
1.	S.Sarumathi, 'Application of Data Mining in Health Care', National Conference on Recent Trends in Advanced Computing, 2006.
2.	S.Sarumathi, 'Conversion and Recovery Color to Gray Textured Image', National Conference on Recent Trends in Advanced Computing, 2006
3.	S.Sarumathi, ' Color to Gray and Back using Pattern Mixing and Half Toning Algorithm', National Conference on Current Trends in Soft Computing, 2007.
4.	S.Sarumathi, ' Color to Gray and Back: Color Embedding Into Textured Gray Images Using Wavelets', National Conference on Convergence of IT Research, 2007.
5.	S.Balaji, S.Sarumathi,' TOPCRAWL: Community mining in web search engines with emphasize on topical crawling ', International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME), 2012.
6.	S.Sarumathi, 'A Novel Approach for Epigrammatic URL', 8 th National Conference on Advancements in Electrical Sciences,2018.
7.	S Sarumathi , S Madhumitha, S Mercy, P Pradeeish, ' An Automatic Framework for the Detection of Skin Cancer using Digital Images', Second International Conference on Nextgen Technologies', Vol:7, Issue:3,2019.

List of Workshops / Seminar / STTP/FDPs Organized

Sl. No.	Title	Venue	Duration	Sponsoring Authority
Workshop/Seminar				
1.	Recent Trends in Information Security	K.S.Rangasamy College of Technology	23.01.2019	CSIR
2.	International Conference on Frontiers of Computational Intelligence	K.S.Rangasamy College of Technology	06.03.2015	KSRCT
3.	MongoDB	K.S.Rangasamy College of Technology	04.10.2018 to 06.10.2018	EAPL, Madurai
4.	MongoDB	K.S.Rangasamy College of Technology	02.03.2018 to 04.03.2018	EAPL, Madurai

List of Workshops / Seminar / STTP/FDPs Attended

Sl. No.	Title	Venue	Duration	Sponsoring Authority
Workshop/Seminar				
1.	NBA Accreditation (ICT01)	K.S.Rangasamy College of Technology-ICT mode (Online)	22.04.2019 to 26.04.2019	National Institute of Technical Teachers' Training and Research (NITTTR), Kolkata
2.	Python	K.S.Rangasamy College of Technology(A View)	22.06.2019	IIT, Bombay
3.	BigData – Spark	K.S.Rangasamy College of Technology	15.03.2019 to 17.03.2019	DMAIC, Coimbatore
4.	How to write a Successful Project Proposal to Funding Agencies	K.S.Rangasamy College of Technology	21.07.2018	K.S.Rangasamy College of Technology
5.	Improving Your API Scores Based on UGC Regulations	K.S.Rangasamy College of Technology	28.08.2017	K.S.Rangasamy College of Technology
6.	How to write a Successful Project Proposal to Funding Agencies	Conference Hall, KSRCT	20.12.2017	K.S.Rangasamy College of Technology
7.	Smart India Hackathon	KSRCT	16.12.2016	AICTE
8.	Pedagogy for Effective use of ICT in Engineering Education	Indian Institute Of Technology	05.01.2015 to 31.01.2015	Indian Institute Of Technology
9.	Big Data Analysis and its Applications	K S R Institute For Engineering And Technology	05.05.2014 To 10.05.2014	K S R Institute For Engineering And Technology
10.	Cyber Security	Indian Institute Of Technology	20.07.2014	Indian Institute Of Technology
11.	Step 2 Research	Amal Jyothi College Of Engineering	19.09.2014 to 20.09.2014	Amal Jyothi College Of Engineering
12.	Recent Advances in Pattern Recognition- Artificial Intelligence Models and Analysis in	K.S.Rangasamy College of Technology	25.03.2013 to 06.04.2013	K.S.Rangasamy College of Technology

	Biometrics			
13.	Community Mining in Web search Engines with emphasize on Topical crawling.	K.S.Rangasamy College of Technology	21.03.2012 to 23.03.2012	Periyar University
14.	Journal, Thesis and Project Proposal Writing	K.S.Rangasamy College of Technology	7.04.2012	Abirami Academy
15.	Research Issues in Data Mining	K.S.Rangasamy College of Technology	05.08.2011 to 06.08.2011	K.S.Rangasamy College of Technology
16.	An Intelligent Based Wireless Ad Hoc and Sensor Networks and its Applications with Ocean Technology	K.S.Rangasamy College of Technology	19.08.2011 To 20.08.2011	K.S.Rangasamy College of Technology
17.	Algorithms in Image Processing	K.S.Rangasamy College of Technology	06.09.2008	Velalar College of Engineering and Technology
18.	Advanced Networking & Security Issues	K.S.Rangasamy College of Technology	10.03.2007	Kumaraguru College of Technology
19.	Data Mining in Intelligent Data Analytics	K.S.Rangasamy College of Technology	08.02.2007	Kongu Engineering College
20.	XML and Web Services	K.S.Rangasamy College of Technology	02.02.2007 to 03.02.2007	Kumaraguru College of Technology
21.	Recent Trends in Computing	K.S.Rangasamy College of Technology	28.10.2006	Periyar University
22.	Mathematical Aspects of Computer Science	K.S.Rangasamy College of Technology	22.09.2006 To 23.09.2006	K.S.Rangasamy College of Technology
23.	Software Quality Assurance	K.S.Rangasamy College of Technology	15.09.2006	Bannari Institute of Technology
24.	Software Testing	K.S.Rangasamy College of Technology	09.06.2006	K.S.Rangasamy College of Arts & Science

25.	Algorithm Design And Analytics	K.S.Rangasamy College of Technology	24.08.2006 to 25.08.2006	Bannari Amman Institute of Technology
26.	Teaching Technology and Counselling Skill	K.S.Rangasamy College of Technology	05.10.2002 to 06.10.2002	Abirami Academy
Faculty Development Programme				
1.	Data Base Management Systems	K.S.Rangasamy College of Technology- (Remote Centre)	Aug 2018- Sep 2018	NPTEL - AICTE

Details of Membership In Professional Societies

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1.	ISTE	Life Member	Life Member: LM 42864

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