

## FACULTY PROFILE

1. Name : Dr. SARUMATHI S.
2. Designation : Professor
3. Date of Joining : 01.06.1998
4. Nature of Association : Regular
5. Email : sarumathi@ksrct.ac.in



### 6. Academic Profile

S.No	Qualification	Institution	Board / University	Full Time/Part Time	Percentage/CG PA & Year of Passing	Class Obtained
1	Ph.D(Information and Communication Engineering)	Anna University, Chennai	Anna University, Chennai	Part Time	December 2016	Completed
2	M.E((Computer Science and Engineering)	K.S.Rangasamy College of Technology, Tiruchengode	Anna University, Chennai	Part Time	85% June 2007	First Class with Distinction
3	B.E(Electronics and Communication Engineering)	Vinayaka Missions Kirupanandha Variyar Engineering College, Salem	Madras University, Chennai	Full Time	61% April 1994	First Class

7. Title of M.E/M.Tech/Ph.D Thesis : “A COMPETENT CLUSTER ENSEMBLE APPROACH FOR DATA CLUSTERING IN DATA MINING”

### 8. 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.	<b>S Sarumathi</b> , 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, <b>S Sarumathi</b> , 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.	<b>S Sarumathi</b> , 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.	<b>S Sarumathi</b> , N Shanthi, S Vidhya, M Sharmila, 'A Comprehensive Review on Different Mixed Data Clustering Ensemble Methods', International Journal of Mathematical, computational, Physical, Electrical and Computer Engineering, Vol:8, No:8, 2014.
9.	<b>S Sarumathi</b> , Shanthi, N, '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), 2015.
10.	<b>S Sarumathi</b> , Shanthi, N, Sharmila, M, 'Linked Spectral Graph based Cluster Ensemble Approach using Weighted Spectral Quality Algorithm for Medical Data Clustering', WSEAS Transactions on Computers, vol. 14, pp. 430-443, (Impact Factor:0.036, Annexure II-2014.2, Serial No.: 20473), 2015.
11.	<b>S Sarumathi</b> , 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.	<b>S Sarumathi</b> , 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.	<b>S. Sarumathi</b> , N Shanthi, 'Analysis of Diverse Cluster Ensemble Techniques', International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:9, No:11, 2015.
14.	<b>S. Sarumathi</b> , & Shanthi, N, '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), 2016.
15.	<b>S. Sarumathi</b> , Shanthi, N & Sharmila, M (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, <b>Annexure I-2014.1, Serial No.: 3733</b> ), <b>2017. Annexure I-2021.1</b>
16.	G.Malathy, <b>S. Sarumathi</b> , '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.	<b>S Sarumathi</b> , N Shanthi, P Ranjetha, ' Comprehensive Analysis of Big Data and its Tools', Journal of Information Technology and Sciences, Vol:2, Issue:1,2016.
18.	<b>S. Sarumathi</b> , 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.
19.	<b>S. Sarumathi</b> , S Deepa jothi, P Maheshwari, S and Manjuushri, 'Garbage Tracking Application System for Smart Cities', SSRN, Elsevier, 2021.
20.	<b>S. Sarumathi</b> , K Navinkumar, T Vadivelkumar, R Sharan Viswanathan, 'Analyzing of Clustering Algorithms for Achieving High Evaluation Metrics', International Research Journal on Advanced Science Hub, 2021.
21.	<b>S. Sarumathi</b> , M. Vaishnavi, S. Geetha, P. Ranjetha, 'Comparative Analysis of Machine Learning Tools: A Review', International Journal of Computer and Information Engineering, 2021.
22.	<b>S. Sarumathi</b> , P. Ranjetha, C. Saraswathy, M. Vaishnavi, S. Geetha, 'A Review and Comparative Analysis on Cluster Ensemble Methods', International Journal of Computer and Information Engineering, 2021.
23.	<b>S Sarumathi</b> , C Saraswathy, P Ranjetha, ' A Comprehensive Survey of Grape Leaf Disease Detection and Classification using Machine Learning based Models', International Research Journal of Computer Science,2021.
24.	<b>S Sarumathi</b> , P Ranjetha, C Saraswathy, S Gayathri, 'Deep Neural Network Algorithms and Their Role: A Systematic Review', International Research Journal of Computer Science,2022.
25.	<b>Dr.S.Sarumathi</b> , M.Habish, C.Kameshwaran and S.Subhika, 'Women Safety and Gender Equality: A Comparative Analysis of Different Women Safety Measures and Security', International Journal of Information and Computing Science, Volume 9, Issue 11, November 2022.

26.	<b>Dr.S.Sarumathi</b> , Ms.N.Harshini, Mr.M.Kavin Kumar, Mr.R.Keerthivasan, 'Healthy and Safety: A Comparative Analysis of Different Cardiac Arrest Prediction and Prevention Measures', International Journal of Information and Computing Science, Volume 9, Issue 11, November 2022.
27.	Dr.S Sarumathi, T Udhaya, N Reshma, S Pavithra, 'Data Visualization Tools: A Quick Survey', International Advanced Research Journal in Science, Engineering and Technology,2023
28.	Dr.S Sarumathi, T Udhaya, N Reshma, S Pavithra, 'A Case Study on Augmented Reality Techniques', International Journal of Science & Engineering Development Research, 2023.
29.	<b>Dr.S.Sarumathi</b> , M.Habish, C.Kameshwaran and S.Subhika, 'A Smart Safety Hand Band using Cube Satellite for Women and Children in IoT without Mobile Network', Journal of Data Acquisition and Processing, 2023
30.	Ms.C.Saraswathy, <b>Dr.S.Sarumathi</b> , Mr.D.Poornakumar, Dr.S.Malarkhodi, "A Survey on Drowsiness Detection System using Infrared Sensor", International Advanced Research Journal in Science, Engineering and Technology,2023
<b>NATIONAL JOURNALS</b>	
31	C. Saraswathy, <b>S. Sarumathi</b> , 'Analysis of Thief Identification Techniques using Artificial Intelligence', Journal of Image Processing and Artificial Intelligence, 2021.
<b>National &amp; International Conference</b>	
1.	<b>S.Sarumathi</b> , 'Application of Data Mining in Health Care', National Conference on Recent Trends in Advanced Computing, 2006.
2.	<b>S.Sarumathi</b> , 'Conversion and Recovery Color to Gray Textured Image', National Conference on Recent Trends in Advanced Computing, 2006
3.	<b>S.Sarumathi</b> , 'Color to Gray and Back using Pattern Mixing and Half Toning Algorithm', National Conference on Current Trends in Soft Computing, 2007.
4.	<b>S.Sarumathi</b> , 'Color to Gray and Back: Color Embedding Into Textured Gray Images Using Wavelets', National Conference on Convergence of IT Research, 2007.
5.	S.Balaji, <b>S.Sarumathi</b> , 'TOPCRAWL: Community mining in web search engines with emphasize on topical crawling ', International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME), 2012.
6.	<b>S.Sarumathi</b> , 'A Novel Approach for Epigrammatic URL', 8 <sup>th</sup> National Conference on Advancements in Electrical Sciences,2018.
7.	<b>S Sarumathi</b> , 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.
8.	<b>S.Sarumathi</b> , Ahamed Abuthahir R , Arunachala Manikandan S, Ravindra Varma S, 'Smart Virtual Chat Assistant For Moodle', 6th International Conference on Engineering and Technology, 2020.
9.	<b>S.Sarumathi</b> , Shalini Ramesh, P.Vaitheeswari, 'Wearable Sensor Based Fall Detection with Bayesian Classifiers using IOT', 6th International Conference on Engineering and Technology, 2020.
10.	<b>S Sarumathi</b> , S Deepa jothi, P Maheshwari, S and Manjuushri, 'Garbage Tracking Application System for Smart Cities', International Conference on Smart Data Intelligence , 2021.
11.	<b>S Sarumathi</b> , K Navinkumar, T Vadivelkumar, R Sharan Viswanathan, 'Analyzing of Clustering Algorithms for Achieving High Evaluation Metrics', First International Conference on Information Technology, Computing & Applications, 2021.
12.	<b>Dr.S.Sarumathi</b> , Ms.N.Harshini, Mr.M.Kavin Kumar, Mr.R.Keerthivasan, 'An Automated Chronic Disease Management for Cardiac Arrest Detection and Prevention on Emergence Using Internet of Medical Things(IoMT)', 3rd International Conference on Recent Trends in Engineering Technology and Management, 2023.

### 9. List of Workshops / Seminar / STTP/FDPs Organized

Sl. No.	Title	Venue	Duration	Sponsoring Authority
<b>Workshop/Seminar</b>				
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	04.10.2018-06.10.2018	EAPL, Madurai
4.	MongoDB	K.S.Rangasamy College of Technology	02.03.2018-04.03.2018	EAPL, Madurai

5.	R Programming	K.S.Rangasamy College of Technology	30.09.2019-02.10.2019	EAPL, Madurai
6.	Challenges and Opportunities of Data Science in Smart Healthcare: Turning Data into Clinical Intelligence	K.S.Rangasamy College of Technology	16.04.2021-29.04.2021	AICTE-AQIS
7.	Problem Solving and Python Programming	K.S.Rangasamy College of Technology	25.07.2022-30.07.2022	CFD-AU

#### 10. List of Workshops / Seminar / STTP/FDPs Attended

Sl.No.	Title	Venue	Duration	Sponsoring Authority
<b>Workshop/Seminar</b>				
1	Intellectual Property Rights, Research Innovations and Entrepreneurship Development	K.S.Rangasamy College of Technology(Online Mode)	12.12.2022-16.12.2022	FDP
2.	Deep learning Techniques on Medical Image Classification	K.S.Rangasamy College of Technology(Online Mode)	11.11.2022	Seminar
3.	Universal Human Values	K.S.Rangasamy College of Technology(Online Mode)	13.2.2023-18.2.2023	FDP
4.	Recent Advances in Data Science, Data Analytics and Cyber Security	K.S.Rangasamy College of Technology(Online Mode)	01.03.2023-05.03.2023	FDP
5.	Fundamentals of AI	K.S.Rangasamy College of Technology(Online Mode)	02.08.2021-06.08.2021	ICT Academy
6.	Data Analytics and Machine Learning Using Python	K.S.Rangasamy College of Technology(Online Mode)	12.07.2021-16.07.2021	ATAL Academy
7.	How to access E-Resources through KNIMBUS Platform	K.S.Rangasamy College of Technology(Online Mode)	28.05.2021	K.S.Rangasamy College of Technology
8.	Machine Learning with Scikit Learn, Keras and Tensor Flow	K.S.Rangasamy College of Technology(Online Mode)	17.05.2021-19-05-2021	Sri Ramakrishna Engineering College
9.	Process Mining Fundamentals	K.S.Rangasamy College of Technology(Online Mode)	03.05.2021	Celonis
10.	Cloud Technology	K.S.Rangasamy College of Technology(Online Mode)	08.02.2021-12.02.2021	ATAL Academy, NITTR
11.	Universal Human Values	K.S.Rangasamy College of Technology(Online Mode)	01.02.2021-05.02.2021	AICTE
12.	Block Chain	K.S.Rangasamy College of Technology(Online Mode)	11.01.2021-15.01.2021	ATAL Academy
13.	AI, Robotics and Automation	K.S.Rangasamy College of Technology(Online Mode)	14.10.2020 – 18.10.2020	ICT Academy
14.	Augmented Reality & Virtual Reality	K.S.Rangasamy College of Technology(Online Mode)	21.09.2020-25.09.2020	ATAL Academy

15.	Cyber Security	K.S.Rangasamy College of Technology(Online Mode)	07.09.2020-11.09.2020	ATAL Academy
16.	Data Science for Social Good	K.S.Rangasamy College of Technology(Online Mode)	24.08.2020-29.08.2020	Siddhartha Institute of Technology
17.	Modern Mathematical Tools in Calculus and Analytics	K.S.Rangasamy College of Technology(Online Mode)	10.08.2020-14.08.2020	Kumaraguru College of Technology
18.	Database Management Systems	K.S.Rangasamy College of Technology(Online Mode)	03.08.2020-07.08.2020	Infosys
19.	Artificial Intelligence in Healthcare	K.S.Rangasamy College of Technology(Online Mode)	16.07.2020 – 22.07.2020	Kumaraguru College of Technology
20.	Blockchain-Technological Perspective	K.S.Rangasamy College of Technology(Online Mode)	18.07.2020	Bharati Vidyapeeth's Institute of Computer Applications and Management
21.	Cloud Computing:The Technology of Inspiration	K.S.Rangasamy College of Technology(Online Mode)	18.07.2020	SRM Institute of Science and Technology
22.	Genomics for Healthcare	K.S.Rangasamy College of Technology(Online Mode)	06.07.2020	Kumaraguru College of Technology
23.	Mathematical Modeling for Data Analytics and Engineering	K.S.Rangasamy College of Technology(Online Mode)	29.06.2020 – 05.07.2020	Kumaraguru College of Technology
24.	Data Science Opportunities and Challenges: The Road Ahead	K.S.Rangasamy College of Technology(Online Mode)	04.07.2020	Kumaraguru College of Technology
25.	Mathematics for Data Science and Business	K.S.Rangasamy College of Technology(Online Mode)	03.07.2020	Kumaraguru College of Technology
26.	Future of Education - Nine Mega Trends Book Launch	K.S.Rangasamy College of Technology(Online Mode)	30.06.2020	ICT Academy
27.	Patent Drafting and Filing Procedures in India and Abroad	K.S.Rangasamy College of Technology(Online Mode)	29.06.2020	K.S.Rangasamy College of Technology
28.	Introduction to AWS Core Services and Architecture	K.S.Rangasamy College of Technology(Online Mode)	27.06.2020	Sri Ramakrishna Institute of Technology,
29.	Data Visualization using Tableau	K.S.Rangasamy College of Technology(Online Mode)	26.06.2020	Mookambikai College of Engineering
30.	Building a Sustainable Future	K.S.Rangasamy College of Technology(Online Mode)	26.06.2020	ICT Academy
31	Impact of Covid-19 on Physical and Mental Health	K.S.Rangasamy College of Technology(Online Mode)	26.06.2020	Bharati Vidyapeeth's Institute of Computer Applications and Management
32	Bloch Chain Hands-on	K.S.Rangasamy College of Technology(Online Mode)	22.06.2020-24.06.2020	Sri Ramakrishna Engineering College
33	Cloud Computing	K.S.Rangasamy College of Technology(Online Mode)	23.06.2020	Government Arts College

34.	Deep Dive into Emerging Technologies Like,Cloud,AI, MI & Data Analysis	K.S.Rangasamy College of Technology(Online Mode)	22.06.2020 – 26.06.2020	Vaageswari College of Engineering
35.	Artificial Intelligence	K.S.Rangasamy College of Technology(Online Mode)	15.06.2020-19.06.2020	AICTE-ATAL
36.	Future of Education	K.S.Rangasamy College of Technology(Online Mode)	18.06.2020	ICT Academy
37.	ICT Academy:New India Learnathon 2020	K.S.Rangasamy College of Technology(Online Mode)	18.06.2020	ICT Academy
38	Neural Networks	K.S.Rangasamy College of Technology(Online Mode)	15.06.2020	Mohamed Sathak Engineering College
39	Innovation and Startup Opportunities	K.S.Rangasamy College of Technology(Online Mode)	15.06.2020	Kongu Engineering College
40	Devops in Cloud Computing	K.S.Rangasamy College of Technology(Online Mode)	13.06.2020	Sri Ramakrishna Institute of Technology
41.	Building a Sustainable Future	K.S.Rangasamy College of Technology(Online Mode)	12.06.2020	ICT Academy
42.	Research Metrics:H-Index,Impact Factor and Citation Databases	K.S.Rangasamy College of Technology(Online Mode)	12.06.2020	K.S.Rangasamy College of Technology
43.	Python Programming-Intermediate	K.S.Rangasamy College of Technology(Online Mode)	07.06.2020	Jain Deemed to be University
44.	Deep Learning	K.S.Rangasamy College of Technology(Online Mode)	06.06.2020	Jain Deemed to be University
45.	Economic Effect of Global Pandemic(Covid-19)	K.S.Rangasamy College of Technology(Online Mode)	05.06.2020	Thiyagarajar College of Engineering
46.	Insightful Fridays of Skycampus Digital Knowledge Webinar Series	K.S.Rangasamy College of Technology(Online Mode)	05.06.2020	ICT Academy
47.	Improving The Skill Set & Changing The Attitude	K.S.Rangasamy College of Technology(Online Mode)	05.06.2020	ICT Academy
48.	Mqtt Protocols Demonstration and Hands-on	K.S.Rangasamy College of Technology(Online Mode)	04.06.2020	Anurag University
49.	Smart Vehicles-IoT Enabled Vehicular Communication	K.S.Rangasamy College of Technology(Online Mode)	04.06.2020	Tagore Engineering College
50	Cloud Security	K.S.Rangasamy College of Technology(Online Mode)	03.06.2020	K.Ramakrishnan College of Technology
51	Problem Formulation in Research	K.S.Rangasamy College of Technology(Online Mode)	03.06.2020	Kongu Engineering College
52	Thingspeak Cloud&Internet of Things	K.S.Rangasamy College of Technology(Online Mode)	02.06.2020	Quaid-E-Millath Government College for Women
53.	Applying Convolutional Neural Networks- A Deep Learning	K.S.Rangasamy College of Technology(Online Mode)	02.06.2020	Kalasalingam Institute of Technology

54.	Star Robotics X-Pert	K.S.Rangasamy College of Technology(Online Mode)	01.06.2020	Star Certification
55.	Accelerating Industry 4.0 - A Post Covid Paradigm	K.S.Rangasamy College of Technology(Online Mode)	31.05.2020	ICT Academy
56	Patent your invention to generate value for research	K.S.Rangasamy College of Technology(Online Mode)	28.05.2020	K.S.Rangasamy College of Technology(Online Mode)
57	Data Processing and Data Visualization using Python	K.S.Rangasamy College of Technology(Online Mode)	26.05.2020-30.05.2020	Priyadarshini College of Engineering,Nagpur
58	Change is the Essence of Life	K.S.Rangasamy College of Technology(Online Mode)	25.05.2020	ICT Academy
59.	Personal Financial Management	K.S.Rangasamy College of Technology(Online Mode)	20.05.2020	ICT Academy
60.	Data Science using Python	K.S.Rangasamy College of Technology(Online Mode)	20.05.2020-24.05.2020	Kongu Engineering College, Perundurai
61.	Awareness Program on Outcome Based Education (OBE)	K.S.Rangasamy College of Technology(Online Mode)	19.05.2020	M L R Institute of Technology
62.	The Future of Skills - Education, Employment & Entrepreneurship	K.S.Rangasamy College of Technology(Online Mode)	11.05.2020 - 15.05.2020	ICT Academy
63.	The Future of Education, Employment & Entrepreneurship	K.S.Rangasamy College of Technology(Online Mode)	04.05.2020 - 08.05.2020	ICT Academy
64.	New India Learnathon 2020	K.S.Rangasamy College of Technology(Online Mode)	01.05.2020-30.06.2020	ICT Academy
65.	Season 3 of Skycampus – THE FUTURE IS HERE NOW by ICT Academy	K.S.Rangasamy College of Technology(Online Mode)	27.04.2020-01.05.2020	ICT Academy
66.	Digital Transformation in Enterprise	K.S.Rangasamy College of Technology(Online Mode)	18.04.2020	ICT Academy
67	Outcome Based Curriculum Design	KEC, Perundurai	24.02.2020 - 29.02.2020	AICTE-Margdarshan Scheme
68	Data Sciences	NTPI, Neyveli	18.11.2019 - 22.11.2019	ATAL-AICTE
69	R Programming	K.S.Rangasamy College of Technology(Online)	09.11.2019	NITTTR
70.	R Programming	K.S.Rangasamy College of Technology	30.09.2019 - 02.10.2019	EAPL, Madurai
71.	Academic Community Meet – Vmware	ICT,Coimbatore	05.09.2019	ICT, Coimbatore
72.	Data Science for Engineers	K.S.Rangasamy College of Technology	Jul-Sep 2019	IIT, Madras
73.	NBA Accreditation (ICT01)	K.S.Rangasamy College of Technology-ICT mode (Online)	22.04.2019 - 26.04.2019	National Institute of Technical Teachers' Training and Research (NITTTR), Kolkata
74.	Python	K.S.Rangasamy College of Technology(A View)	22.06.2019	IIT, Bombay

75.	BigData – Spark	K.S.Rangasamy College of Technology	15.03.2019-17.03.2019	DMAIC, Coimbatore
76.	Data Base Management Systems	K.S.Rangasamy College of Technology	01.08.2018-31.09.2018	IIT Madras, AICTE, NPTEL
77.	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
78.	Improving Your API Scores Based on UGC Regulations	K.S.Rangasamy College of Technology	28.08.2017	K.S.Rangasamy College of Technology
79	How to write a Successful Project Proposal to Funding Agencies	Conference Hall, KSRCT	20.12.2017	K.S.Rangasamy College of Technology
80.	Smart India Hackathon	KSRCT	16.12.2016	AICTE
81.	Pedagogy for Effective use of ICT in Engineering Education	Indian Institute Of Technology	05.01.2015 - 31.01.2015	Indian Institute of Technology
82.	Big Data Analysis and its Applications	K S R Institute For Engineering And Technology	05.05.2014 - 10.05.2014	K S R Institute For Engineering and Technology
83.	Cyber Security	Indian Institute Of Technology	20.07.2014	Indian Institute of Technology
84.	Step 2 Research	Amal Jyothi College Of Engineering	19.09.2014-20.09.2014	Amal Jyothi College of Engineering
85.	Recent Advances in Pattern Recognition-Artificial Intelligence Models and Analysis in Biometrics	K.S.Rangasamy College of Technology	25.03.2013-06.04.2013	K.S.Rangasamy College of Technology
86.	Community Mining in Web search Engines with emphasize on Topical crawling.	K.S.Rangasamy College of Technology	21.03.2012-23.03.2012	Periyar University
87.	Journal, Thesis and Project Proposal Writing	K.S.Rangasamy College of Technology	7.04.2012	Abirami Academy
88	Research Issues in Data Mining	K.S.Rangasamy College of Technology	05.08.2011-06.08.2011	K.S.Rangasamy College of Technology
89	An Intelligent Based Wireless Ad Hoc and Sensor Networks and its Applications with Ocean Technology	K.S.Rangasamy College of Technology	19.08.2011-20.08.2011	K.S.Rangasamy College of Technology
90	Algorithms in Image Processing	K.S.Rangasamy College of Technology	06.09.2008	Velalar College of Engineering and Technology
91.	Advanced Networking & Security Issues	K.S.Rangasamy College of Technology	10.03.2007	Kumaraguru College of Technology
92.	Data Mining in Intelligent Data Analytics	K.S.Rangasamy College of Technology	08.02.2007	Kongu Engineering College
93.	XML and Web Services	K.S.Rangasamy College of Technology	02.02.2007-03.02.2007	Kumaraguru College of Technology
94.	Recent Trends in Computing	K.S.Rangasamy College of Technology	28.10.2006	Periyar University
95.	Mathematical Aspects of Computer Science	K.S.Rangasamy College of Technology	22.09.2006-23.09.2006	K.S.Rangasamy College of Technology
96.	Software Quality Assurance	K.S.Rangasamy College of Technology	15.09.2006	Bannari Institute of Technology
97	Software Testing	K.S.Rangasamy College of Technology	09.06.2006	K.S.Rangasamy College of Arts & Science



98	Algorithm Design And Analytics	K.S.Rangasamy College of Technology	24.08.2006-25.08.2006	Bannari Amman Institute of Technology
99	Teaching Technology and Counselling Skill	K.S.Rangasamy College of Technology	05.10.2002-06.10.2002	Abirami Academy

**11. Recognized Supervisor for Ph.D / M.S. Programme : -**

**12. List of certification courses completed:**

Sl.No.	Title	Venue	Duration	Sponsoring Authority
Workshop/Seminar				
1.	Learn Python from Zero	Online	21.06.2020	Udemy
2.	Artificial Intelligence Content Creation Tools 2020	Online	21.06.2020	Udemy
3.	Internet of Things(Iot):2020 Trends and The Future	Online	21.06.2020	Udemy
4.	Build Your AI Chatbot using Rasa	Online	21.06.2020	Udemy
5.	Introduction to AI,Machine Learning and Data Science 2020	Online	21.06.2020	Udemy
6.	Microsoft SQL Servers for Beginner to Expert	Online	21.06.2020	Udemy
7.	Deep Learning with Keras and Tensorflow in Python and R	Online	18.7.2020	Udemy
8.	Learn MySQL for Beginners	Online	18.7.2020	Udemy
9.	Neural Networks in Python:Deep Learning for Beginners	Online	18.7.2020	Udemy
10.	SVM for Beginners:Support Vector Machines in R Studio	Online	18.7.2020	Udemy
11.	Machine Learning	Online	17.4.2021	Celonis
12.	Introduction to Neural Network	Online	29.06.2021	SkillUp
13.	Data Science with R programming	Online	02.07.2021	SkillUp

**13. Guest Lecture:**

Sl.No.	Title	Venue	Duration	Sponsoring Authority
Guest Lecture				
1.	Research Directions in Healthcare	K.S.Rangasamy College of Technology	18.04.2021	AICTE_AQIS_FDP
2.	The Role of Data Scientist in Healthcare	K.S.Rangasamy College of Technology	18.04.2021	AICTE_AQIS_FDP
3.	Tuples in Python	K.S.Rangasamy College of Technology	28.07.2022	CFD_AU_FDTP

**15. Publication of Books / Contribution to Chapters**

S.No	Title of the Book / Chapter	Publisher	Year of Publication	Volume / Page No.	ISBN
1	Artificial Intelligence for Internet of Things Design Principle, Modernization, and Techniques	Taylor&Francis	11 November 2022	392	9781003335801
2	Big Data Analytics	BR Publications	24 January 2023	250	9788196040277

**16. Publication of Patents**

S.No	Title of the Patent	Year of Publication
1	DETECTION OF DEFECTS DURING PRODUCTION USING DL	202241052612 A 23/9/2022

**17. Other Achievements: NPTEL DISCIPLINE STAR AWARD (JAN 2021-APRIL 2021)  
(6 NPTEL COURSES WITH ELITE AWARD)**

- Data Base Management Systems
- Data Mining
- Python for Data Science
- Data Science for Engineers
- Data Analytics with Python
- Introduction to Machine learning
- Programming in Python
- Software Testing

**18. Details of Membership in Professional Societies**

**14.**

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

**19. Major Contributions:**

BoS Chairman  
 Programme Coordinator  
 CBCS Coordinator  
 BoS Coordinator  
 NBA Criteria Coordinator  
 Doctoral Committee Member  
 Academic Review Member ICT  
 Celonis Mentor  
 Internal Academic Auditor  
 Member Question paper Setting (Autonomous Colleges) Chairman  
 for Class Committee meeting

**Sarumathi S**