



Sri Ramakrishna Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

www.srit.org :: Phone – 0422-2605577



Faculty Profile

Full name with Qualification, Designation and

Department:

Dr. S.Mary Praveena, B.E., M.E., Ph.D.,

Associate Professor,

Electronics and Communication Engineering



Date of birth	:	26.05.1982	Gender	:	Female
Nationality	:	Indian	Marital status	:	Married
Address for correspondence	:	12/17 K Kamaraj Nagar Near VG Rao Nagar, Ganapathy, Coimbatore-10	Permanent address	:	12/17 K Kamaraj Nagar Near VG Rao Nagar, Ganapathy, Coimbatore-10
Mobile no	:	9500267052	e-mail (official)	:	marypraveena.ece@srit.org
Landline	:	0422-2605577	e-mail (personal)	:	praveena.infant@gmail.com
Date of joining	:	2.01.2007	Post of joining	:	30.10.2012
No of promotions since D.O.J	:	2	Present post	:	Associate Professor
Present pay scale	:	Rs.93,916/-	Gross pay	:	Rs.1,09,516/-
Employee ID	:	TE015	Bank account No. (Salary credited)	:	5001010584099
P.F. No	:	TN/CBE/56764214	Group Insurance No	:	
PAN Number	:	APCPM4634D	Aadhar Number	:	344003472461
AICTE ID	:	1-469020699	AICTE Institution ID	:	1-7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	B.E.(Electronics & Communication Engineering)	2003	Sri Krishna College Of Engineering Technology, Coimbatore	Bharathiar University, Coimbatore	77
PG	M.E. (Applied Electronics)	2007	Sathyabamma University, Chennai	Sathyabamma University, Chennai	83
Ph.D	Ph.D. (Biomedical Image Processing)	2012	PSG College of Technology /Anna University, Chennai.	Commended	Ph.D. (Biomedical Image Processing)

Registration for Ph.D. with area of interest: 4081042214 Biomedical Image Processing

Year of Ph.D. Registration:2008

Year of Ph.D. Completed: 2012

Thesis Title: Investigation on Image fusion using optimization techniques

Supervisor Recognition Number: 2740045

Ph.D. Scholar Details

S.No.	Name of the scholar	Registration details	College	Status
1	Kavitha A K	2017 January	Sri Ramakrishna Institute of Technology	Synopsis Submitted
2	Sam Jaikumar S	2017 January	Anna university, Chennai	Confirmation Completed
3	Prabakaran S	2017 July	Anna university, Chennai	Confirmation Completed
4	Eswari P	2017 July	Jansons Institute of Technology	Confirmation Completed

5	Kanmani R	2017 January	Sri Ramakrishna Institute of Technology	Confirmation Completed
6	Ramakrishnan R	2022 January	Sri Ramakrishna Institute of Technology	Confirmation Completed
7	Vanitha R	2022 January	Sri Ramakrishna Institute of Technology	Confirmation Completed
8	Deepalakshmi R	2022 January	Sri Ramakrishna Institute of Technology	Confirmation Completed

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramakrishna Institute of Technology, Coimbatore.	Lecturer	2.01.2007	Till date	16	11	22
Rajalakshmi Engineering College , Chennai.	Lecturer	13.6.2005	21.12.2006	01	06	08
CSI Institute of Technology, Ketti.	Lecturer	21.1.2004	23.4.2005	01	03	02
Total				19	7	02

Industrial Experience

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
SS SYSTEM, Coimbatore.	Production Engineer	Testing	3.06.2003	29.12.2003	0	06	26
Total					0	06	26

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2023-24	VII	20ECP21	Wireless Communication	T	-
	V	20ECP06	Biomedical Instrumentation	T	-
2022-23	V	20ECP10	Telecommunication switching and Networks	T	92%
	VII	UECC018	Integrated Design Project Phase II	L	95%
2021-22	VIII	UECE117	Cognitive Radio	L	90%
	VI	UECC103	Cellular and Mobile Communication	L	88%
	VII	UECC101	Telecommunication Switching and Networks	L	96%
2020-21	VII	UECE111	Principles of Digital Image Processing	L	90%
	V	UECC101	Telecommunication Switching and Networks	L	92%
2019-20	VII	EC6702	Optical Communication and networks	L	95%
	VI	UECE104	Biomedical Instrumentation	L	92%

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2022-23	VIII	Child Safety Monitoring System Based on IoT	UG
2021-22	VIII	Machine vision system for Fruit segregation and packaging	UG
2020-21	VIII	IOT based smart helmet system for accident detection	UG
	VIII	IOT Based Autonomous Multi-Purpose Agri BOT	
2019-20	VIII	Hand Gesture Recognition System Using Deep Learning	UG
2018-19	VIII	Lossless Visible Watermarking For Authentication	UG
2017-18	VIII	Failure prediction in Embedded Systems using Long Short-Term Inference	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	5 / 5 /3	32
Conferences	7	7

Journal Publications

1. Dr. S. Mary Praveena, “ Optimal Resource Allocation in Coordinated Multi-Cell Systems for Green Communications and Networking”, European Chemical Bulletin (Scopus indexed), May 2023,12(5), 4133-4142.
2. Dr. S. Mary Praveena ,“Energy Efficient and Timing Error Mitigation Circuit Design Based on Clock Adjustment”, Jundishapur Journal of Microbiology, April 2022,Vol 15,No,1(Scopus &Web of science)
3. Dr. S. Mary Praveena ,”Machine Vision System For Fruit Segregation And Packaging”, International Research Journal of Engineering and Technology (IRJET) ,Volume: 08 Issue: 02 | Feb 2021.
4. Dr. S. Mary Praveena, “ LIFI Based Indoor Navigation System For The Visually Impaired People”, International Journal of Engineering Applied Sciences and Technology, Vol. 4,Issue 9, ISSN No. 2455-2143, Pages 372-376 ,2020.
5. Dr. S. Mary Praveena , “An effective steganography technique applied in medical Images”, International Journal of Advance Research and Innovative Ideas in Education, Vol-6 Issue-1 2020.
6. S Mary Praveena, R Kanmani and A K Kavitha, “Analysis and Identification of Tumor Cells In MRI And CT Images Based On Nanotechnology Using Neuro Fuzzy Image Fusion”, Journal of Materials Science and Engineering, 012066 IOP Publishing Vol 15,Issue 1,2019,doi:10.1088/1757-899X/932/1/012066.
7. S.Mary Praveena, “ Cooperative Beam forming Design To Achieve High Information Rates For MIMO Relay Channels”, International Journal of Advanced Information in Engineering Technology ,Vol.4, No.5, May 2017.
8. S.Mary Praveena, “ Optimal Cooperative Beam forming Design For MIMO Using Modified AF Relay Channels”, International Journal of Advanced Information Science and Technology (IJAIST) ISSN: 2319:2682 Vol.6, No.5, May 2017.
9. S.Mary Praveena ,”Optimal Cooperative Beam forming Design to Achieve High Information Rates For MIMO DF Relay Channels”, International Journal of Advanced Research in Education & Technology, Vol. 4, Issue 2 ,April - June 2017.
10. S.Mary Praveena ,“ Evaluation Of Fruit Ripeness Using Electronic Nose”, International Journal of Advanced Information Science and Technology , Vol.6, No.5, May 2017.
11. Praveena, S. Mary, Ila Vennila, and R. Vaishnavi. "Investigation of Passive Optical Network Based on QoS Issues in Wireless Fibre to the Home Architecture for Fault Identification and Detection."Wireless Personal Communications 96, no. 1 (2017):

- 961-976. (Scopus Indexed & Impact factor-0.951)
<https://link.springer.com/article/10.1007/s11277-017-4213-4>
12. S. Mary Praveena, Dr. Ila Vennila & R. Vaishnavi, "Design of Wireless Passive Optical Communication Network Based On Fusion of Fibre to the Home Architecture", Springer-Wireless Personal Communications Vol .96, no. 3: 3851-3871, 2017.
 (Scopus Indexed & Impact factor-0.951)
<https://link.springer.com/article/10.1007/s11277-017-4354-5>
 13. Dr. S. Mary Praveena ,P. Eswari, ,"Optimization of Efficacy In Industry Automation and control using IOT", International Journal of Emerging Technology and advanced Engineering , Vol.6, No.5, July 2017.
 14. Dr.S.Mary Praveena & N.Geethapriya, "Optimal Cooperative Beam forming Design to Achieve High Information Rates For MIMO DF Relay Channels", International Journal of Advanced Research in Education & Technology, Vol. 4, Issue 2 ,April - June 2017.
 15. Dr .S.Mary Praveena, Vinitha & Dr.R.M.S.Parvathi & , "A Novel approach to detect water level in plants by using thermal image", International Journal of Modern Engineering & Science, Vol.4, Issue 6, 2017.
 16. Dr.S.Mary Praveena, Samjaikumar , Prabakaran, "A Survey on Medical Image Compression Algorithms and Its Performance International Journal for Scientific Research & Development ", Vol. 5, Issue 10, 2017.
 17. S.Mary Praveena, "Wireless Network Traffic Monitoring And Analysis - A Survey", International Journal Of Current Engineering And Scientific Research (Ijcesr), Volume-6, Issue-2, 2019.
 18. S.Mary Praveena, " Peak Detection for Discrimination of False Arrhythmia Alarm in ICU Using ECG Signals" ,IRE Journals , Volume 2 Issue 10, 2019.
 19. Dr. S. Mary Praveena, " LIFI Based Indoor Navigation System For The Visually Impaired People", International Journal of Engineering Applied Sciences and Technology, Vol. 4, Issue 9, ISSN No. 2455-2143, Pages 372-376 , 2020.
 20. Dr. S. Mary Praveena , "An effective steganography technique applied in medical Images", International Journal of Advance Research and Innovative Ideas in Education, Vol-6 Issue-1 2020.
 21. Dr .S. Mary Praveena published a paper titled "Peak Detection For Discrimination", Iconic Research Journal , IRE Journals, CCCA - 2019 , Volume 2 Issue 10, pp-325-333.
 22. Dr .S. Mary Praveena published a paper titled "IOT Based Autonomous Multi-Purpose Agri BOT , IRE Journals, CCCA - 2019 , Volume 2 Issue 10, pp-312-316.
 23. Dr .S. Mary Praveena , "Wireless Network Traffic Monitoring And Analysis - A Survey", International Journal Of Current Engineering And Scientific Research (IJCESR), Volume-6, Issue-2, 2019.
 24. Dr .S. Mary Praveena , "Channel Estimation for MIMO – OFDM System", International Journal Of Current Engineering And Scientific Research (IJCESR), Volume-6, Issue-2, 2019.

25. Dr.S.Mary Praveena ,“Navigation By Image Acquisition (Arti-Eye)”, International Journal Of Current Engineering And Scientific Research (IJCESR), Volume-6, Issue-2, 2019.
26. S.Mary Praveena and Dr.IlaVennila , “Monitoring the Fatigue Conditions and Controlling the Speed of the Vehicle” ,International Journal of Communication Engineering and Technology ISSN 2277-3150 Volume 3, Number 1 , pp. 1-11,2013.
27. S. Mary Praveena and Dr. IlaVennila,“Image Fusion By Global Energy Merging” ,International Journal of Recent trends in Engineering ,Vol 2,no7, pp 61-65, November 2009.
28. S. Mary Praveena and Dr. IlaVennila “Investigation of Image Fusion Using Curve Let Transform” ,Karpagam Journal of computer science, March – April 2010.
29. S. Mary Praveena and Dr. IlaVennila ,“Investigation of Image fusion using curvelet transform and Genetic Algorithm” ,Journal of Technology, PSG College Of Technology, March issue 2011.
30. S. Mary Praveena and Dr. IlaVennila ,“Optimization fusion Approach For image segmentation using K Means Algorithm”, International Journal of Computer Application ,Vol 2,no7, ,pp1-25, June 2010.
31. S. Mary Praveena and Dr. IlaVennila, “An Image Fusion Approach Based on Segmentation Region using Ant Colony Optimization” ,International Journal of Digital Image Processing, pp1-3, August 2010.
32. S. Mary Praveena and Dr. IlaVennila ,“A Security Based Wavelet Fusion for Palm and GAIT Recognition “,International Journal of Biometrics and Bioinformatics, pp.119-124 ,July 2010.
33. S. Mary Praveena and Dr. IlaVennila ,“An Efficient Utilization and Simulation of Steganography Fusion Based on Human Skin Tone Detection” ,AMSE Journal of Computer Science ,March Issue,2011.
34. S.Mary Praveena and Dr.IlaVennila ,“Certain Investigation on Image Fusion Using Block And Contrast Based Techniques”, European Journal of Scientific Research EJSR ,Vol.62 No.3 , pp. 354-367 October 2011.
35. S.Mary Praveena and Dr.IlaVennila ,“Recognition Based System sing Principal Component Linear Discriminant Analysis”, International Journal of computer science and information Technology & security,Vol2, 2012.
36. S.Mary Praveena and Dr.IlaVennila, “Authentication Lossless Visible Water Marking System” ,International Journal of computer science and information Technology & security , Vol 2.No1.2012.
37. S.Mary Praveena and Dr.IlaVennila , “Multifeature Recognition System For Authentication Process”,International Journal of computer science and information Technology & security ,Vol 2.2012.
38. S. Mary Praveena and Dr. IlaVennila,“Image Fusion By Global Energy Merging” ,International Journal of Recent trends in Engineering ,Vol 2,no7, pp 61-65, November 2009.
39. S. Mary Praveena and Dr. IlaVennila “Investigation of Image Fusion Using Curve Let Transform” ,Karpagam Journal of computer science, March – April 2010.

40. S. Mary Praveena and Dr. IlaVennila ,“Investigation of Image fusion using curvelet transform and Genetic Algorithm” ,Journal of Technology, PSG College Of Technology, March issue 2011.
41. S. Mary Praveena and Dr. IlaVennila ,“Optimization fusion Approach For image segmentation using K Means Algorithm”, International Journal of Computer Application ,Vol 2,no7, ,pp1-25, June 2010.
42. S. Mary Praveena and Dr. IlaVennila, “An Image Fusion Approach Based on Segmentation Region using Ant Colony Optimization” ,International Journal of Digital Image Processing, pp1-3, August 2010.
43. S. Mary Praveena and Dr. IlaVennila ,“A Security Based Wavelet Fusion for Palm and GAIT Recognition “,International Journal of Biometrics and Bioinformatics, pp.119-124 ,July 2010.
44. S. Mary Praveena and Dr. IlaVennila ,“An Efficient Utilization and Simulation of Steganography Fusion Based on Human Skin Tone Detection” ,AMSE Journal of Computer Science ,March Issue,2011.
45. S.Mary Praveena and Dr.IlaVennila ,“Certain Investigation on Image Fusion Using Block And Contrast Based Techniques”, European Journal of Scientific Research EJSR ,Vol.62 No.3 , pp. 354-367 October 2011.

Conference Publications

1. Dr.S.Mary Praveena presented a paper titled “Peak Detection For Discrimination”, National Conference on Communication Control Automation And Control ,Sri Ramakrishna Institute of Technology,March 2020.
2. Dr .S. Mary Praveena presented a paper titled “IOT Based Autonomous Multi-Purpose Agri BOT”, National Conference on Communication Control Automation And Control ,Sri Ramakrishna Institute of Technology,March 2020.
3. Dr.S.Mary Praveena presented a paper titled “Cancer Detection using Spintronics based Method” AICTE Sponsored International Conference on Global Summit on Engineering and Technology,Nov 5&6,2020.
4. Dr.S.Mary Praveena presented a paper titled “Automatic Doorbell Ringer Using Object Detection” AICTE Sponsored International Conference on Global Summit on Engineering and Technology,Nov 5&6,2020.
5. Dr.S.Mary Praveena presented a paper titled “Sleep And Respiratory Disorder Detection In Infants Using Mattress Sensor” AICTE Sponsored International Conference on Global Summit on Engineering and Technology,Nov 5&6,2020.
6. Dr .S.Mary Praveena presented a paper titled “Design of 10 nm Double gate FINFET SRAM optimal asymmetric Underlapping to short channel effects and current leakage” ,National Conference On Design, Testing, And Applications Of Embedded & Power Electronic Systems,NCDTAEPS'18 ,PSG College of Technology, April 2018.
7. Dr.S.Mary Praveena presented a paper titled “Web based Personalized communication system using IoT”, National Conference on New scientific creations in Engineering & Technology, Nadar Sarawathi college of Engineering and Technology, March 2018.

8. Dr.S.Mary Praveena presented a paper titled "Detection of noise for Discrimination of false Arrhythmia Alarm in ICU using ECG Signals ", Second National Conference on Current & Emerging Process Technologies(CONCEPT 2019) Kongu Engineering College, January 25,2019.
9. S. Mary Praveena , presented a paper titled "Passive Optical Networks (PON) for Remote Area ",International Conference on Advances in Computing, Communications and Informatics" ,Manipal University, Sep 14&15,2017.
10. Dr .S. Mary Praveena presented a paper titled "GSM Based Voice recognition baby Incubator ", International conference on recent trends in Engineering, Computers, Information Technology and application, April,2018.
11. Dr .S.Mary Praveena presented a paper titled "Design of 10 nm Double gate FINFET SRAM optimal asymmetric Underlapping to short channel effects and current leakage" ,National Conference On Design, Testing, And Applications Of Embedded & Power Electronic Systems,NCDTAEPS'18 ,PSG College of Technology, April 2018.
12. Dr.S.Mary Praveena presented a paper titled "Web based Personalized communication system using IoT", National Conference on New scientific creations in Engineering & Technology, Nadar Sarawathi college of Engineering and Technology, March 2018.
13. Dr.S.Mary Praveena presented a paper titled "Detection of noise for Discrimination of false Arrhythmia Alarm in ICU using ECG Signals ", Second National Conference on Current & Emerging Process Technologies(CONCEPT 2019) Kongu Engineering College, January 25,2019.
14. Dr .S. Mary Praveena presented a paper titled "Detection of Noise for Discrimination of False Arrhythmia Alarm in ICU using ECG Signals ", Indian Institute of Chemical Engineers KEC Student Chapter, Department of Chemical Engineering, Kongu Engineering College, Perundurai, Erode, 25 January 2019.

Books / Book Chapters

1. Dr. S. Mary Praveena, R. Kanmani and R. Ramakrishnan, Channel Estimation for MIMO-OFDM System, Integrated Publications, New Delhi ,Vol 5,2022,pp 1-12.
2. R. Kanmani ,Dr. S. Mary Praveena, Vehicle Tracking and Accident Detection System using Mobile App, Research Trends in multidisciplinary Research, AkiNik Publications, New Delhi, Vol 33,1-16,2022.
3. Dr.S.Mary Praveena published a Manual for Integrated design project practical published by Notion Pesss Media Pvt Ltd, June 2021.
4. Dr.S.Mary Praveena published a chapter "Optical Amplifiers", Research trends in Multi-disciplinary, Akink Book Publisher, New Delhi, Vol 8, 2019.
5. Dr.S.Mary Praveena published a Manual for Optical & Microwave communication published by Notion Press Media Pvt Ltd,June 2019.
6. Dr.S.Mary Praveena published Book Chapter titled "Optical Amplifiers in Broadcast Networks" Intech Open Limited , London, ISBN 978-953-51-5950-6,June,2018.
7. Dr.S.Mary Praveena published a book titled "Optical Communication" for the final ECE Students –VII Semester ARS Publication Pvt. Ltd ,2017.

8. Dr.S.Mary Praveena published a book titled “Wireless Communication” for Final ECE & Third year B.Tech IT courses – VIII & V Semester ARS Publication Pvt. Ltd ,2016.

Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration
Design and Development of Water Quality Monitoring System for Aquaculture Using Li-Fi Technology	SRIT – Research Promotion Scheme	Rs.50,000/-	1 Year

Consultancy

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
	NIL			

Workshops / Seminars attended

1. Participated in One day workshop titled “ Home Automation using IoT on training with Tinker Software” Jansons Institute of Technology, Coimbatore on 26.5.2020&27.5.2020.
2. Participated in One day workshop titled “Applications of Artificial Intelligence in Smart Technology”, SSN College Of Engineering on 8.6.2020.
3. Participated in Two-Week ISTE – STTP on CMOS, Mixed Signal and Radio frequency VLSI Design, conducted by Indian Institute of Technology, Kharagpur from 30th January to 4th February 2017 at Sri Ramakrishna Institute of Technology, Coimbatore.
4. Two day workshop on “Network security” conducted by Madras Institute of Technology, Chennai on Nov 27,2015.
5. One day workshop on “Advanced Trends in Communication Technologies” on 8.20.2013 conducted by Department of ECE, Sri Ramakrishna Institute of Technology, Coimbatore.
6. Two week ISTE workshop on “Signals & Systems” from 2.1.2014 -12.1.2014 conducted by Indian Institute of Technology, Kharagpur.
7. One day workshop on “Nano Electronics” on 30.12.11 conducted by Department of ECE, Sri Ramakrishna Institute of Technology, Coimbatore.
8. One day workshop on “Patents and Designs” on 15.2.12 conducted by Department of MCA, Sri Ramakrishna Institute of Technology, Coimbatore.
9. One day workshop on “Open Source Software” on 27.9.2012 conducted by Department of CSE, Sri Ramakrishna Institute of Technology, Coimbatore.

Webinars attended

Sl.No.	Title	Organization	Date
1	Data visualization using Tableau – COVID 19	Brainswig Edutech ,Chennai.	15.5.2020
2	Patent Searching, Drafting and Filing	RVSCET Institution, Coimbatore.	17.5.2020
3	Machine Learning Model Based Solution for COVID 19	Nirmala College for Women, Coimbatore.	18.5.2020
4	Renewable Energy using MATLAB	GCE Salem &Pantech solution, Coimbatore.	16.5.2020
5	A Guide to Successful IoT Product Development	Dr.N.G.P. Institute of Technology, Coimbatore.	23.5.2020
6	Climate Change Impacts & Mitigation on Water and Environment	RVS College Of Engineering And Technology, Coimbatore.	20.5.2020
7	Introduction to Digital Transformation	SA Engineering college, Chennai.	23.5.2020
8	Intelligent decision Making algorithm	RVS College Of Engineering And Technology, Coimbatore.	21.5.2020
9	VLSI Simulation Analysis using ModelSim	Gokaraju Rangaraju Institute of Engineering & Technology and P	24.5.2020

		antechE Learning.	
10	Tips for aspiring electronic engineers/ embedded software developer	Sri Ramakrishna Institute of Technology, Coimbatore.	22.5.2020
11	Research Paper writing for scientific Journals	KIT institute of Technology ,Coimbatore.	22.5.2020
12	Research trends in mitigation of voltage sag and Swell using direct convertors	CMS college of Engineering and Technology, Coimbatore	26.5.2020
13	Expectations of Employees from engineering Graduates during this crisis time	RVS College of Technology	29.5.2020
14	Planar Antenna Design for real time 5G modem Application	KIT institute of Technology ,Coimbatore.	27.5.2020
15	Machine Intelligence Using Vision Learning	Idhaya Engineering College, Kallakurichi	29.5.2020
16	Geometrical Dimensioning and Tolerancing for Engineering Design	VELS College of Engineering	30.5.2020
17	Design Thinking	Sri Ramakrishna Institute of Technology, Coimbatore.	27.5.2020-31.5.2020

18	Computer vision for AI application	Smart Ant Technologies	26.5.2020
19	Writing Quality Research Paper and Proposal	International School of Management Patna	22.5.2020
20	NAAC Accreditation Management system Demo	Inpods E Tech	29.5.2020
21	Home Automation using Internet of Things, Hands-on Training with Tinker CAD Simulation Software	Jansons Institute of Technology, Coimbatore	26.5.2020& 27.5.2020
22	Data Science for Engineers	KIT institute of Technology ,Coimbatore.	30.5.2020
23	Adaptive signal Processing and its Applications	Narayana Engineering College,Gudur	3.6.2020
24	6th Wave of innovation: Disruption	Sri Eshwar College of Engineering	4.6.2020
25	Layman Technique on Design of Solar PV system for Home	Ramco Institute of Technology, Rajapalayam	5.6.2020
26	Robotics in Engineering Applications	Sri Ramakrishna Institute of Technology, Coimbatore.	5.6.2020
27	Fundamentals of Computer Architecture	Sri Eshwar College of Engineering	5.6.2020
28	Role of Technology in Customer Experience during COVID-19 Times	Sri Eshwar College of Engineering	6.6.2020

29	AGILE Methodology	Sri Eshwar College of Engineering	3.6..2020
30	Ergonomics Design Principles	Sri Eshwar College of Engineering	9.6.2020
31	5G Network Architecture and RF Solutions	Jansons Institute of Technology, Coimbatore	28.5.2020
32	Science of coping	Muthyayammal Engineering College	20.5.2020
33	Simulation driven Innovation For E-Mobility	ALTAIR	10.6.2020
34	Online Teaching learning assessment	INPODS	17.6.2020
35	Outcome based Education Software	VMEDULIFE	11.6.2020
36	Augmented Reality and its future in industries	Sri Ramakrishna Institute of Technology, Coimbatore	3.6.2020
37	Virtual classes are you Ready?	Sri Eshwar College of Engineering	8.6.2020
38	Software Qualification as a Career	Ramco Institute of Technology, Rajapalayam	9.6.2020
39	True Potential of Green Building	Ramco Institute of Technology, Rajapalayam	1.6.2020
40	Aspire, Plan ,Execute ,achieve	Sri Eshwar College of Engineering	10.6.2020

41	Software solution Assurance	Sri Eshwar College of Engineering	2.6.2020
42	Introduction to DEVOPS	Sri Eshwar College of Engineering	11.6.2020

Faculty Development Program attended

1. Participated & completed successfully Five - Days online Faculty Development Programme on "Research Paper writing, Proposal drafting, and Patenting Strategies" organized by the Department of CST, MITS from 22-05-2023 to 26-05-2023.
2. Participated & completed successfully Five - Days online Faculty Development Programme on "Machine Learning and Artificial Intelligence for VLSI " organized by the Department of Department of ECE, CMR Institute of Technology, from 29-05-2023 to 2-06-2023.
3. Participated in 5 days FDP on “Future and Challenges in Engineering and Technology” organized by Krishna Engineering College, Ghaziabad from 14th-18th May 2021.
4. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on " Machine Learning Algorithms for 5G Mobile Networks" 04/10/2021 to 08/10/2021 at Indian Institute of Information Technology Design and Manufacturing Kancheepuram.
5. Participated & completed successfully AICTE Refresher FDP on “Intelligent decision support using machine learning techniques” from 2.2.2022 to 8.2.2022 at Kumaraguru college of Technology, Coimbatore.
6. Participated & completed successfully six day AICTE-ISTE Sponsored Refresher/Induction Program on "Innovative Teaching and Outcome Based Education" from 7.2.2022 to 12.2.2022 at Dhirajlal Gandhi college of Technology, Salem.
7. Participated in 5 days FDP on “Future and Challenges in Engineering and Technology” organized by Krishna Engineering College, Ghaziabad from 14th-18th May 2021.
8. Participated in 15 days FDP IIRS - Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials – 13-06-2020 to 01-07-2020.
9. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Flexible and Wearable Antennas: Recent Advancements, Fabrication Techniques and Applications" from 12-10-2020 to 16-10-2020 at National Institute of Technical Teachers Training and Research, Chandigarh.
10. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 5-10-2020 to 9-10-2020 at Babasaheb Bhimrao Ambedkar University, Lucknow.
11. Attended International School of Management, Patna (Bihar) in the Faculty Development Program - “Quality Research Proposals and Papers (QRP)” , May 22nd, 2020.
12. Attended Five Days Faculty Development Program (FDP) on “Recent Trends in Information and Communication Systems (RTICS 2020)” organized and conducted online

by the Department of Electronics and Communication Engineering held at Karpagam College of Engineering during 16th June to 20th June 2020.

13. Attended Five days Faculty Development Program (FDP) on Antenna Microwave Propagation conducted online by the Department of Electronics and Communication Engineering held at Saveetha Engineering College during 22.6.2020 -26.6.2020.
14. Participated in 5 days FDP on “Future and Challenges in Engineering and Technology” organized by Krishna Engineering College, Ghaziabad from 14th-18th May 2021.
15. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on " Machine Learning Algorithms for 5G Mobile Networks" 04/10/2021 to 08/10/2021 at Indian Institute of Information Technology Design and Manufacturing Kancheepuram.
16. Participated AICTE Training And Learning (ATAL) Academy Online FDP on Academy Online FDP on "Internet of Things (IoT)" from 2020-10-5 to 2020-10-9 at Babasaheb Bhimrao Ambedkar University.
17. Participated in AICTE approved Faculty Development Programme on “CAD Based Modelling Of Optical Fibers And Photonic Devices For Communication, Sensing, And Industrial Applications ” Organized by Department of ECE National Institute of technology, Trichy during 10 - 14, June 2019.
18. Participated Online FDP on “Next-Generation Firewall” organized by ICT Academy on 29.5.2020.
19. Participated Online FDP on “Spoken and writing English” organized by Sri Ranganathan Engineering College on 4.6.2020 & 5.6.2020.

Events Organized

1. Organized the project expo TECHATHON '23 on 26.10.2023 at 10.00 am in Seminar Hall II.
2. A National level Technical Symposium, Cornucopia' was organized and conducted by the students association ASCONIC of the department of Electronics and Communication Engineering on 7, February 2023. Ms. Sivakami Kaliapillai, Delivery Manager, O9 Solutions, Private Limited, Coimbatore was the Chief Guest.
3. Organized webinar on “Tips to clear Competitive Exams” on 07.11.2023 from 11:10am to 12:30 pm in LH 311 through online mode.
4. Organized First year Orientation Programme from 30.8.2023-9.9.2023.
5. A Seminar titled “Importance of Verilog in Industrial Perspective” was organized by the ASCONIC – ECE Association of Sri Ramakrishna Institute of Technology on 20.10.2023, Friday from 11:00 am to 12:15
6. Advanced Image Processing Cluster was inaugurated virtually on 12.11.2021. Dr. Kamarulzaman Kamarudin, Division of Robotic & Mechatronic Engineering Program, UniMAP Malaysia was the resource person for the event.
7. Organized Association of Electronics and Communication Engineering Inauguration “ASCONIC” on 18.03.2022 at 03.00 pm in Seminar Hall II.
8. SRIT Research, Innovation, Science and Exposition (SRIT RISE th 2022) Project Expo was organized on 27 May 2022.
9. Organized Association of Electronics and Communication Engineering Inauguration “ASCONIC” on 18 March 2022.

10. Organized "PCB LAYOUT and Fabrication Process" at Sri Ramakrishna Institute Of Technology on 13.6.2020.
11. Organized "Awareness camp against the menace of drugs in colleges" on 5 th & 6th of April 2018 at college premises.
12. Organized Anna University Sponsored FDTP on Digital Communication, on June 14-21, 2018.
13. Organized Health Awareness Programme in association with Sri Ramakrishna Hospital during academic year 2018-2019.
14. Organized ICMR sponsored seminar on "Awareness of Mobile Phone Radiation Exposure And their ill Effects on Human Beings ",on Jan 9,10 ,2018.
15. Organized IEI Students' Chapter Guest Lecture on "Role of Engineers in Developing India" on 20.09.2018 at our college premises.

Conference

1. Virtual International Conference on Communication, Computation, Control and Automation (ICCCA 2022) was organized by IEEE and ISTE Students' Chapter during 07 & 08 of April 2022.
2. Organized National Conference on "Communication, Computation, Control And Automation" on 23.04.10 and 24.04.10 was organized by the circuit branches (ECE, EEE, CSE) in collaboration with IETE Coimbatore chapter.
3. Organized "National Conference on Communication, Computation, Control and Automation" at Sri Ramakrishna Institute Of Technology", Coimbatore during 25 and 26, April 2008.

FDP

1. A five days Faculty Development Programme on "Recent Advancement in Electronics, Communication and Networks" was conducted from 7 to 11 June 2021.

Workshops

- 1.Organized two days workshop on "Latest Measurements In Optical Fiber " on 15.9.2017 & 16.9.2017 in association with I SQUARE System, Coimbatore.

Seminars

1. Organized Seminar titled "Importance of Verilog in Industrial Perspective" was organized by the ASCONIC – ECE Association of Sri Ramakrishna Institute of Technology on 20.10.2023, Friday from 11:00 am to 12:15.

Online Courses Completed

Sl. No.	Title	Platform
1	Cognition, Transformation and Lives	NPTEL
2	Stress Management	NPTEL
3	Wireless Communication For Every Body	Coursera
4	Medical Technology and Evaluation	Coursera
5	Introduction to Google Docs	Coursera
6	Introduction to Project Management	Coursera
7	COVID-19	Coursera
8	Understanding Research Methods	Coursera
9	Effective Engineering Teaching In Practice	NPTEL
10	Leadership	NPTEL

Awards and Recognitions Secured

- Best Paper Award for the Paper titled “ Patient Monitoring System using Telegram Bot”, in the International Conference on Communication, Control and Automation held at Sri Ramakrishna Institute of Technology, Coimbatore on November, 2022.
- Patent Filed titled, “Smart Care Intravenous Infusion System” on 4.2.2021 reference No: 202141004805.
- Exhibited the Product titled “IOT Based Autonomous Multi-Purpose Agri BOT”, won Gold medal at Fourth International Art Creativity &Engineering Exhibition I+ACEH 2019, UBUDIYAH University, Indonesia on 1.02.2019.
- Received Young woman Educator Award on March 8,2019 by National Foundation for Entrepreneurship Development (NFED).
- Awarded Best young researcher (female) category by Association of Scientists, Developers and Faculties (ASDF) on April 7,2018.
- Acted as Faculty Coordinator for Education visit to UNIMAP, Perlis, Malaysia to do the part of students Final year project and Integrated Design Project. Seven batch of FYP students from the department of Civil, ECE, EEE and ten batch of IDP students from department of Civil, ECE, IT &MBA were accompanied from June 22- July 5,2018.
- Recognized as Board of Studies member for the Department of Electronics and Telecommunication at Karpagam University, Coimbatore.

- Reviewer for the International Journal of Advanced Research Trends in Engineering And Technology.
- Selected for Lightning talk presentation for the International conference on International Conference on Advances in Computing, Communications and Informatics , “Passive Optical Networks” at Manipal University on September 15,2017.
- Acted as a session chair for the International Conference on Recent Researches in Engineering & Technology – 2018 held on 28th February 2018 at YWCA Anandagiri Holiday Home, Ooty, India organized by Institute of Engineering Research (A professional body running under VTP Research Events & Education Private Limited).

Self-appraisal

Major Strengths

1. Truth Full & Honest
2. Positive Thinking
3. Meticulous

Major Weakness

1. Work life Balance
2. Nervousness
3. Expecting Others to be perfect.

Signature