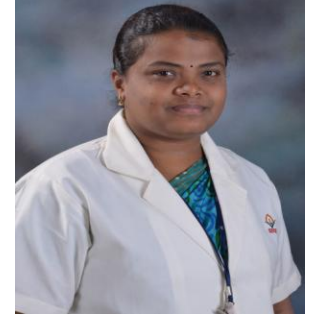


FACULTY PROFILE

Name : **Dr. S.MARY PRAVEENA**
Designation : Associate Professor
Email ID : marypraveena.ece@srit.org



Area of Specialization : Wireless Communication, Biomedical Image Processing,
Optical communication & Wireless Networks.

Total Experience : 12 years 7 months Academic : 12 years 1 Month
Industry : 6 months

Educational Qualification:

Degree	Branch / Specialization	College	University
B.E.	ECE	Sri Krishna College Of Engineering, Coimbatore.	Bharathiar University, Coimbatore.
M.E.	Applied Electronics	Sathyabamma University, Chennai.	Sathyabamma University, Chennai.
Ph.D	Biomedical Image Processing	Anna University, Chennai.	Anna University, Chennai.

Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	Sri Ramakrishna Institute Of Technology, Coimbatore	ASSOCIATE PROFESSOR	2.1.2007	Till date	9 years & 2 months
2	Rajalakshmi College Of Engineering, Chennai	LECTURER	10.6.2005	26.12.2006	1 year 7 month
3	CSI College Of Engineering, Ketti	LECTURER	6.1.2004	12.05.2005	1 year 4 month

4.	SS System,Coimbatore	SYSTEM ANALYST	10.6.2003	15.12.2003	6 MONTHS
Total (as on Feb 2016)					12 Years 7 Months

Funded Projects: NIL

S. No.	Funding Agency	Topic	Amount Sanctioned in Rs.	Year of Sanction

Consultancy Work: NIL

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

Patents (Specify the details): Patent filed titled, “A Monitoring System And Evaluation Of Daily Activities For Elder Care Using Cognitive Wireless Sensor Network” on 31.12.2015 reference No:7114/CHE/2015.

Publications :

Journals

- S. Mary Praveena and Dr. IlaVennila** ,“Image Fusion By Global Energy Merging”, International Journal of Recent trends in Engineering,Vol 2,no7,November 2009, pp 61-65.
- S. Mary Praveena and Dr. IlaVennila** ,“Optimization fusion Approach For image segmentation using K Means Algorithm” ,International Journal of Computer Application ,Vol 2,no7,June 2010,pp1-25 .
- S. Mary Praveena and Dr. IlaVennila** ,“An Image Fusion Approach Based on Segmentation Region using Ant Colony Optimization” ,International Journal of Digital Image Processing, August 2010, pp1-3.
- S. Mary Praveena and Dr. IlaVennila** ,“A Security Based Wavelet Fusion for Palm and GAIT Recognition”,International Journal of Biometrics and Bioinformatics, July 2010, pp119-124.
- 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.

6. **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 October 2011, pp. 354-367 .

7. **S.Mary Praveena and Dr.IlaVennila** ,“Recognition Based System Using Principal Component Linear Discriminant Analysis” ,International Journal of computer science and information Technology & security,Vol2.No1.2012.

8. **S.Mary Praveena and Dr.IlaVennila** ,“Authentication Lossless Visible Water Marking System” ,International Journal of computer science and information Technology & security (**IJCSITS**), Vol 2.No1.2012.

9. **S.Mary Praveena and Dr.IlaVennila** ,“Multifeature Recognition System For Authentication Process” ,International Journal of computer science and information Technology & security, Vol2.No21.2012.

10. **S.Mary Praveena** ,“An Enhanced Localization Fusion Scheme for Mobile Sensor Networks Using Monte Carlo Localization,” Australian Journal of Basic and Applied Sciences, ISSN No.1991-8178, Vol. 8, Issue no.17, pp. 426-434, 2014.

11. **S.Mary Praveena** ,“An Analysis of Color Image Compression Using Golomb-Rice Algorithm,” Advances in Natural and Applied Sciences, ISSN No. 1995-0772, Vol.8, Issue no.19, pp.39-44, 2014.

12. **S.Mary Praveena and Dr.IlaVennila** ,“Biometric Authentication System for Body Area Network “ in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 3, Issue 3, March 2014.

13. **S.Mary Praveena** .“Textural Analysis and Diagnosis Image Fusion Classification of Medical Images using Various Transforms,” Australian Journal of Basic and Applied Sciences, ISSN No. 1991-8178, Vol. 8, Issue no.16, pp. 419-427, 2014.

14. **S.Mary Praveena and Dr.Ila Vennila**, “An Effective security based wireless information system based on fusion principal component analysis”, Wireless Personal Communication, Springer, vol 86, No2. July 2015, pp 887–899.

International Conferences:

1. **S.Mary Praveena**, “Image Fusion Using Steerable Pyramid Algorithm II Techniques”, International Conference on Digital Factory, Coimbatore Institute Of Technology, 11, 12 and 13, August 2008.

2. **S.Mary Praveena**, “Investigation Of Image Fusion Using Curvelet Transform”, Inter National Conference on Intelligent Systems and Control ,Karpagam College Of Engineering, 4&5 February 2010.

3. **S.Mary Praveena** , “Lossless Visible Water Marking For Authentication”, International Conference on Computing Techniques, Embedded Systems & Drives , PPG Institute Of Technology, Coimbatore on March 7 ,8 & 9, 2012.

4. **S.Mary Praveena** , “Security Based Multifeture Recognition System” ,Third International Conference On information, Knowledge & research in Engineering, Technology & sciences, G.K. Bharad institute of technology, Gujarat on March 24 & 25, 2012 .

National Conferences:

1. **S.Mary Praveena** , “Image Fusion Using Steerable Pyramid Algorithm II Techniques ”, National Conference On Trends In Communication, Sona College Of Technology, Salem , 8&9, February 2008.

2. **S.Mary Praveena** , “Image Fusion Using Steerable Pyramid Algorithm Techniques”, National Conference On Communication, Computation, Control And Automation, Sri Ramakrishna Institute Of Technology, Coimbatore, 25 & 26 , April 2008.

3. **S.Mary Praveena**, “Medical Diagnosis For Image Fusion Based On Fuzzy Logic And Neural Networks” ,National Conference On adaptive Sensors & Intelligent Systems , Sri Ramakrishna Engineering College, 21&22 Nov 2008.

4. **S.Mary Praveena** , “Histogram For Image Segmentation Using K means Algorithm “ ,National Conference on Recent Advances in Computer Vision and Information Technology” , Government College Of Technology, March 7, 2010.

5. **S.Mary Praveena** , “Wavelet Based Palm And Gait Recognition” ,Third National Conference On automated Control, Computer and Communication , Hindustan College Of Engineering And Technology, Coimbatore, March 25 & 26, 2010.

Books Published: NIL

Seminar, Conference, Workshop Organized:

S.No.	Title	Duration	Level (Intern. / National)
1.	Conference on Communication, Computation, Control and Automation (CCCA2008)	25.4.2008-26.4.2008	National
2.	Conference on Communication, Computation, Control And Automation (CCCA2010)	23.04.10 and 24.04.10	National
3.	Seminar on Advanced Digital Image Processing and its Application	18.3.2013	National
4.	workshop on Advanced trends in communication techniques	8.10.2013	National

Seminar, Conference, Workshop Attended:

1. Workshop on “Mat lab Simulation Training for Circuit Branch Engineers” on 7.9.07 and 8.9.07 at Kumaraguru College of Engineering and Technology, Coimbatore.
2. Workshop on “Digital Image Processing” on 8.2.07 at Sri Ramakrishna Engineering College, Coimbatore.
3. One day workshop on “Educators day ” on 9.2.09 conducted by National Instruments, Bangalore.
4. Two day workshop on “Machine Learning Techniques” on 11.9.09 & 12.9.09 conducted by Department of CSE ,PSG college of Technology, Coimbatore.
5. Two day workshop on “Research challenges in Image processing” on 4.2.11 & 5.2.11 conducted by Department of ECE, Coimbatore Institute of Technology, Coimbatore.
6. Two day national seminar on “Modern Trends in Wired and Wireless Communication” on 29.12.10 & 30.12.10 conducted by Department of ECE, Sri Ramakrishna Institute of Technology , Coimbatore.

7. Two day national seminar on “Wireless networks for rural applications” on 10.10.11 & 11.10.11 conducted by Department of ECE, Sri Ramakrishna Institute of Technology , Coimbatore.

8. Two day national seminar on “Design and applications of VLSI techniques” on 12.10.11 & 13.10.11 conducted by Department of ECE, Sri Ramakrishna Institute of Technology , Coimbatore.

9. One day workshop on “Nano Electronics” on 30.12.11 conducted by Department of ECE, Sri Ramakrishna Institute of Technology, Coimbatore.

10. One day workshop on “Patents and Designs” on 15.2.12 conducted by Department of MCA, Sri Ramakrishna Institute of Technology, Coimbatore.

11. Two week ISTE workshop on “Signals & Systems” from 2.1.2014 -12.1.2014 conducted by Indian Institute of Technology, Kharagpur.

12. One day workshop on “Open Source Software” on 27.9.2012 conducted by Department of CSE, Sri Ramakrishna Institute of Technology, Coimbatore.

13. One day workshop on “Advanced Trends in Communication Technologies” on 8.20.2013 conducted by Department of ECE, Sri Ramakrishna Institute of Technology, Coimbatore.

Ph.D., Guidance / Supervisor ship: Applied for supervisor recognition

Name of Scholar	Course	Area of Research	Status

Guest Lectures Delivered:

Topic	Institution	Date(s)
Medical Imaging techniques	PSG College of Technology	Dec 6, 2013
Optical Networks	Karunya University	September 21, 2014

Membership in Professional Bodies:

ISTE

Contributions to the Institution, Department and Society:

1. Microwave Laboratory in charge.
2. Chair Person for III Year ECE Section.
3. Chairman of the SRIT Library Advisory committee member.
4. PG- Project Coordinator.
5. Institution of Engineers- ECE Department Staff In charge.
6. Department Quality Assurance Cell Member.
7. Internal Audit committee member.
8. In charge for Institute-Industry Collaborative Engineering Education.

Awards and Recognitions:

- Best Paper Award for the paper titled “Early Cancer Detection Using Nanotechnology with Spectral Imaging and Scattering Technique” conducted by 28th Indian Engineering Congress on 27.12.2014.
- Recognized as Board of Studies member for the Electronics and Telecommunication Department of Karpagam University, Coimbatore.
- Acting as a Reviewer for the Journal of Electrical Engineering & Technology, Korea.