	Dr. JAYA V L Professor in charge of Principal Department of Electronics College of Engineering, Cherthala Ernakulam
Area of Specialization	Signal Processing, Soft Computing
Highest Qualification	PhD
Total Experience	30 years

Contact Details

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Educational Qualifications

Exam passed	Specialization	College/ Institute	Board/ University	Year of Passing
PhD	Image Processing	School of Engineering, CUSAT	CUSAT	2015
M.Tech	Digital Systems and Communication Engineering	Regional Engineering College, Kozhikode (now, National Institute of Technology)	University of Calicut	2001
B.Tech	Electronics	Regional Engineering College, Kozhikode (now, National Institute of Technology)	University of Calicut	1990
Pre Degree	-	N S S College for Women, Thiruvananthapuram	University of Kerala	1986
SSLC	-	St. Theresa's Convent, Neyyattinkara, Thiruvananthapuram	Board of Public Examinations, Kerala	1984

Professional Experience

Period		Institution	Designation
From	To		
27.07.1992	28.11.1994	Model Engineering College, Thrikkakkara, Ernakulam	Lecturer in Electronics
29.11.1994	22.03.1995	College of Applied Sciences, Vadakkencherry, Palakkad	Lecturer in Electronics, in charge of Principal
23.03.1995	13.08.1998	College of Applied Sciences, Vadakkencherry, Palakkad	Head of Section in charge of Principal
14.08.1998	03.11.2001	Model Polytechnic College, Vadakara, Kozhikode	Head of Section
04.11.2001	25.07.2007	Model Polytechnic College, Kalliasserry, Kannur	Principal
26.07.2007	10.09.2015	College of Engineering, Kottarakkara	Associate Professor
11.09.2015	25.09.2016	Model Engineering College, Ernakulam	Associate Professor
26.09.2016	14.08.2020	College of Engineering, Karunagappally	Professor in charge of Principal
15.08.2020	25.10.2022	Govt. Model Engineering College Ernakulam	Professor
26.10.2022	Till date	College of Engineering, Cherthala	Professor in charge of Principal

Teaching Experience	14 Years
Administrative Experience	13 Years
Research experience	3 Years

List of Publications

Journal Publications

- Jaya V L and R Gopikakumari, Automatic Enhancement of Low Contrast Images using SMRT, *International Journal of Scientific & Engineering Research*, Vol.4, Issue 9, pp.1510-1515, Sept. 2013.
- Jaya V L and R. Gopikakumari, IEM: A New Image Enhancement Metric for Contrast and Sharpness Measurements, *International Journal of Computer Applications*, Vol.79, Issue 9, pp.1-9, Oct. 2013.
- B. Manju, V.L. Jaya, K. Meenakshy, R. Gopikakumari, 8x8 SMRT based Texture Descriptors, *Lecture Notes in Software Engineering*, Vol.3, No.4, pp.295-298, Nov. 2015.
- V. L. Jaya and R. Gopikakumari, Enhancement of Mammogram Images in SMRT Domain using Nonlinear Mapping Functions, *International Journal of Biomedical Engineering and Technology*, Vol. 21, No.2, pp. 145-158, 2016
- V. L. Jaya and R. Gopikakumari, Sequency based Mapped Real Transform : Properties and Applications, Accepted for publication in *Signal, Image and Video Processing, Springer.*

Conference Publications

- Jaya V L, Preetha Basu and R. Gopikakumari, SMRT: A new placement approach of 2-D unique MRT coefficients for N a power of 2, in *Annual IEEE India Conference (INDICON),* pp. 233 - 237, Dec. 2012. (http://ieeexplore.ieee.org/iel5/6410222/6420575/06420621.pdf?arnumber=6420621)

- Jaya V L and R. Gopikakumari, Fuzzy Intensification Operator based image enhancement in the SMRT domain, International Conference on Signal and Speech Processing, (ICSSP), pp. 214-220, Aug. 21-23, 2014.
  (http://www.elsevierst.com/ConferenceBookdetail.php?pid=90)
- Jaya V L and R. Gopikakumari, Fuzzy rule based enhancement in the SMRT domain for low contrast images, Procedia Computer Science, Proceedings of the International Conference on Information and Communication Technologies (ICICT), vol.46, pp.1747-1753, 2015. (http://www.sciencedirect.com/science/article/pii/S1877050915001891)
- Jaya V L and R. Gopikakumari, N x N Sequency based MRT, N a power of 2, Proceedings of the 24th Swadeshi Science Congress, National Seminar, pp. 372-377, 2014.
- Jaya V L and Lyla B Das, Construction of Higher Order Chui-Lian Multi-Scaling Functions with Symmetry, Proceedings of the National Conference on Signals, Systems and Security, Department of Electronics and Communication Engineering, PSG College of Technology, Coimbatore, March 2002.

Subjects Handled

UG Level	Electronics Circuits Digital Electronics Linear Integrated Circuits Electromagnetic Theory Network Theory Computer Networks Communication Engineering Signals and Systems Digital Signal Processing Digital Image Processing
PG Level	Artificial Neural Networks Wavelet Theory and Applications

	Machine Learning Research Methodology