

# **Dr.M.Mahalakshmi**

## **Personal Information**

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**Designation:** Associate Professor

**Qualification:** M.E., Ph.D.,

**Experience:** 15 years

**Specialization:** Embedded System Technologies

**Date of Joining:** 14-06-2019

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## **Achievements/Publications/workshops/Seminars/Guest Lectures**

### **Publications:**

1. M.Mahalakshmi, M.Devaraju “Multi-Iterative Thresholding Technique for Embedded Real time Image Segmentation”, International Journal of Applied Engineering Research, June 2015, Vol.10, pp.20639-20648.
2. M.Mahalakshmi, R.Kanthavel, R.Dhaya “Multi-Dimension Support Vector Machine Based Crowd Detection and Localisation Framework for Varying Video Sequences”, International Journal of Circuits and Systems, August 2016, Vol.7, pp. 3565-3588.
3. M.Mahalakshmi, R.Kanthavel, “Research analysis of dynamic human object tracking algorithm with various tracking parameters under complex environment”, Asian Journal of Information Technology, June 2016, Vol. 5, No. 6, pp.1032-1041.
4. M.Mahalakshmi, R.Kanthavel, R.Dhaya “Performance analysis of segmentation algorithms for crowd detection and tracking”, International Journal of Engineering Science and Computing, September 2017, Vol.11, No.7, pp. 200-211.
5. M.Mahalakshmi, “Secured Card-less Payment Method using Bluetooth Technology”,

International Journal of Applied Engineering Research, April 2018, Vol.8, No.4, pp. 16924-16930.

6. M.Mahalakshmi, "Artifact Reduction Convolutional Neural Network based Object Identification and Classification for High Resolution Images", International Journal for Technological Research in Engineering, April 2018, Vol.5, No.8, pp. 3403-3413.

7. M.Mahalakshmi, "Multi-Iterative Thresholding Technique for Embedded Real time Image Segmentation", Advances in Intelligent Systems and Computing, January 2019, Vol.846, pp. 179-195.

### ***Workshops/Seminars/FDP's***

- ☐ Participated in one day Seminar on theoretical and practical aspects of networking organized by Velammal engineering college on January 2010.
- ☐ Participated in one day Induction training seminar on environment awareness organized by Velammal engineering college on October 2004.
- ☐ Participated in one day seminar on research perspectives on bio-medical measurements and clinical engineering organized by Velammal engineering college on March 2006.
- ☐ Attended seven days Faculty Development Program on Mobile organized by Anna University on December 2008.
- ☐ Attended ten days FDP on hands on training on design finishing for chip tape out organized by RMK engineering college on June 2013.
- ☐ Participated in one day Workshop on Lab View & VLSITCAD,FPGA Design organized by Velammal engineering college on November 2008.
- ☐ Participated in one day Workshop on real time embedded systems with hands on experience organized by Velammal engineering college on February 2008.
- ☐ Participated in one day Workshop on Lab RTOS for embedded processors organized by Anna university on august 2009.
- ☐ Participated in one day Workshop on Lab Workshop in Virtual instrumentation using lab view, VLSI-TCAD, IC CAD, FPGA design using tanner tools organized by Velammal engineering college on November 2008.
- ☐ Participated in one day Workshop on Lab 2 days workshop on research methodologies and effective paper writing using Latex organized by MIT campus, Anna university on march 2014.
- ☐ Participated in one day Workshop on Lab Workshop on NS2 Matlab-A Research Perspective

organized by Velammal engineering college on December 2014.

- ☐ Participated in one day Workshop on Lab Workshop on ICONQUER Perspective organized by Velammal engineering college January 2017.
- ☐ Participated in one day Workshop on Lab Workshop on Digital Image Processing organized by Velammal engineering college February 2018.

## **Guest Lectures**

- ☐ Guest lecture delivered on Transmission Lines and Waveguides at Loyola institute of technology during 2014 and 2015.