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## Present Position

Assistant Professor, Department of Production Technology, Madras Institute of Technology, Anna University, Chennai from December-2014.

## Present Additional Responsibility

- Deputy Director, Centre for Academic Courses, Anna University, Chennai from January-2020.

## Previous Additional Responsibility

- , , Anna University, Chennai.
- , , Anna University, Chennai.

## Other Employment

- ASSOCIATE PROFESSOR, SHANMUGANTHAN ENGINEERING COLLEGE for 10 MONTHS.
- GRADUATE ASSISTANT AND GRADUATE RESEARCH ASSISTANT, UNIVERSITI MALAYSIA PERLIS for 3.5 YEARS .

## Degree

- ❖ M.E. in MECHATRONICS (ENGINEERING) , MADRAS INSTITUTE OF TECHNOLOGY , ANNA UNIVERSITY CHENNAI (2007 - 2009).
- ❖ B.E. in ELECTRICAL AND ELECTRONICS ENGINEERING , SHANMUGANATHAN ENGINEERING COLLEGE, ANNA UNIVERSITY CHENNAI (2003 - 2007).

## Research Degree

- ❖ Ph.D. in MECHATRONICS (SIGNAL PROCESSING AND MACHINE LEARNING) from Faculty of MECHATRONICS, SCHOOL OF MECHATRONIC ENGINEERING, UNIVERSITI MALAYSIA PERLIS (2010 - 2014).  
Title: Human Stress Level Computation Using Multiple Physiological Signals Based on Fusion Technique through the Dynamic Bayesian Network. .

## Area of Specialisation

- MECHATRONICS, ROBOTICS, SIGNAL AND IMAGE PROCESSING, MACHINE LEARNING

## Membership in Professional Organization

- IEEE MEMBER
- MEMBER IN IEEE - ROBOTICS AND AUTOMATION SOCIETY ( RAS)
- MEMBER IN IEEE SENSORS COUNCIL
- MEMBER IN IEEE COUNCIL ON ELECTRONIC DESIGN AUTOMATION
- MEMBER IN IEEE YOUNG PROFESSIONALS

## Research Guidance

Number of Ph.D Scholars Guiding : 3  
Number of Ph.D Scholars Guiding : 1  
as Joint-Supervisor

## Papers Published in Journals

Research Papers Published in International Journals : 5  
Research Papers Published in National Journals : 0

1. P Karthikeyan, M Murugappan, S Yaacob, "Descriptive Analysis of Skin Temperature Variability of Sympathetic Nervous System Activity in Stress", Journal of Physical Therapy Science, published by J-stage . Vol. 24, Issue 12, pp. 1341-1344 (2012).
2. P Karthikeyan, M Murugappan, S Yaacob, "ECG Signal Denoising Using The Wavelet Thresholding Technique in Human Stress Assessment", International Journal of Electrical Engineering and Informatics, published by Institut Teknologi Bandung. Vol. 4, Issue 2, pp. 305-319 (2012).
3. P Karthikeyan, M Murugappan, S Yaacob, "Multiple Physiological Signal-Based Human Stress Identification Using Non-Linear Classifiers", Electronics and Electrical Engineering, published by KTU. Vol. 19, Issue 7, pp. 80-85 (2013).
4. P Karthikeyan, M Murugappan, S Yaacob, "Detection of human stress using short-term ECG and HRV signals", Journal of Mechanics in Medicine and Biology, published by World Scientific . Vol. 13, Issue 2, pp. 1-29 (2013).

5. P Karthikeyan, M Murugappan, S Yaacob, "Analysis of Stroop Color Word Test-Based Human Stress Detection using Electrocardiography and Heart Rate Variability Signals", Arabian Journal for Science and Engineering, published by Springer. Vol. 39, Issue 3, pp. 1935-1847 (2014).

### Programme Chaired

1. Chairman, International level conference.

### Programme Organized

1. Coordinator, National level conference on "National conference on automation, robotics, and mechatronic systems" from 25-Mar-2016 to 26-Mar-2016.

### Experience Abroad

1. Visited School of Mechatronic Engg/ Universiti Malaysia Perlis, Malaysia from 21-Jul-2010 to 13-Jan-2014. Purpose of visit :Research .

### Invited Lectures

1. Delivered a Lecture on "Human Task Manager" in National Conference on Mechatronics and Future Challenges organized by SRM University, Chennai (01-Apr-2015).