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Present Position

Assistant Professor, Department of Instrumentation Engineering, Madras Institute of Technology, Anna University, Chennai from December-2007.

Present Additional Responsibility

- Programme Officer, Madras Institute of Technology, Anna University, Chennai from July-2012.

Previous Positions

- Assistant Professor, Department of Instrumentation Engineering, Madras Institute of Technology, Anna University, Chennai during December-2007 and September-2016.

Previous Additional Responsibility

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

Other Employment

- Lecturer, St Peters Engineering College for 6 Months.
- Lecturer, Sathyabama University for 1.9 Years.

Degree

- ❖ M.E. in Applied Electronics, GCT Coimbatore, Anna University (2003 - 2005).

Research Degree

- ❖ Ph.D. in Process control from Faculty of ICE, MIT , Anna University (2009 - 2015).
Title: Advanced Control schemes applied to Catalytic cracking Unit.

Area of Specialisation

- Modelling and Control of Industrial Processes, Industrial Instrumentation

Membership in Professional Organization

- ISA

Research Guidance

Number of M.E./ M.Tech. Projects : 12

Guided

Number of M.E./ M.Tech. Projects : 1

Guiding

Papers Published in Journals

Research Papers Published in International Journals : 2

Research Papers Published in National Journals : 0

1. M.Mythily, "Multiloop PI Controller Tuning for Maximum Gasoline Yield in an Industrial Catalytic Cracking Unit", International review on modeling and simulation, published by Praiseworthy praise. Vol. 6, Issue 6, pp. 1968 (2013).
2. M.Mythily D.Manamalli R.Raja Nandhini, "Dynamic modeling and improvements in the tuning of PI Controllers for Fluidized Catalytic Cracking Unit", Wseas transactions on systems and control, published by World Scientific and Engineering Academy and Socie. Vol. 10, Issue 1, pp. 297 (2015).

Papers Presented in Programmes

Research Papers Presented in International Programmes : 5

Research Papers Presented in National Programmes : 4

1. "Dynamic Modeling and Control of Boiling Water Reactor (BWR) in Nuclear Power Plant" presented in a National level conference on Instrumentation and Control for Industrial Applications, organised by RMK Engineering College, India .
2. M.Mythily Manikandan D.Manamalli, "Dynamic Modeling Simulation and Multivariable Control Strategy applied to catalytic cracking Unit" presented in a International level conference on PACC 2011, organised by CIT Coimbatore, India from 20-Jul-2011 to 22-Jul-2011.
3. Rajanandhini M.Mythily D.Manamalli, "Dynamic Yield modeling and control of Fluid Catalytic Cracking Unit for the study of Reactor Temperature effect on Gasoline Yield" presented in a International level conference on International conference on Mathematical modeling & applied soft computing, organised by CIT,Coimbatore, India from 11-Jul-2012 to 13-Jul-2012.

4. "Investigation on closed loop response of FCCU for gasoline Maximization" presented in a International level conference on International Conference on Global Challenges, Strategies and Solutions in Engineering, Business & Disaster Management, organised by Noorul Islam University, Nagercoil, India from 08-Mar-2013 to 09-Mar-2013.
5. "Gasoline Maximization through Generalized Predictive Control in Catalytic Cracking Unit " presented in a International level conference on Trends in Industrial Measurements and Automation, organised by Dept of Instrumentation MIT, India from 22-Dec-2013 to 24-Dec-2013.
6. "Effect of Independent Variables on the Maximization of Gasoline Yield and Closed loop studies in Catalytic Cracking Unit" presented in a National level conference on Industrial Technology, organised by Bannari Amman Institute of Technology, India from 26-Feb-2014 to 27-Feb-2014.
7. S.Vinothini M.Mythily, "Optimal control of a batch Bioreactor" presented in a National level conference on Recent trends in Instrumentation and control, organised by Dept of Instrumentation MIT, India from 13-Mar-2015 to 14-Mar-2015.
8. "Characterization of water dynamics and modeling of an open channel Irrigation system" presented in a National level conference on Recent trends in Instrumentation and control, organised by Dept of Instrumentation MIT, India from 18-Mar-2016 to 19-Mar-2016.
9. "Development Of A Flow Model For Efficient Control Of Open Channel Irrigation System" presented in a International level conference on Development Of A Flow Model For Efficient Control Of Open Channel Irrigation System, organised by Dept of Instrumentation MIT, India from 30-Mar-2016 to 31-Mar-2016.

Current Sponsored Projects

1. "Establishment of Calibration Centre for Critical Care Equipment", funded by DST.. Project Cost: 2.98.

Programme Organized

1. Coordinator, National level workshop on "Trends in Intelligent Instrumentation" from 26-Aug-2016 to 27-Aug-2016.

Invited Lectures

1. Delivered a Lecture on "Chromatography" in Guest Lecture organized by Velammal Engineering College , Chennai (11-Oct-2012).
2. Delivered a Lecture on "Fiber optic and Piezo electric sensors" in Guest Lecture organized by Jerusalem Engineering College, Chennai (05-Apr-2016).
3. Delivered a Lecture on "Fiber optic and Piezo electric sensors" in Guest Lecture organized by Jerusalem Engineering College, Chennai (05-Apr-2016).

4. Delivered a Lecture on "Implementation of Fuzzy Logic on a Single Tank set up" in FDTP on "Applied Soft Computing " organized by Dept of Instrumentation, MIT, Anna University, Chennai (14-Jun-2016).
5. Delivered a Lecture on "Implementation of Fuzzy Logic on a Single Tank set up" in FDTP on "Applied Soft Computing " organized by Dept of Instrumentation, MIT, Anna University, Chennai (14-Jun-2016).