

Sadala Satyanarayan P.

M.E (Control System)

B.E. (Instrumentation)

Pursuing PhD.



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Designation : Assistant Professor in Instrumentation Engineering Department.

Experience : Educational 19 Years. 3 years as HOD of Instrumentation Engg.

Areas of Interest: Nonlinear System Analysis and Control. Continuous Time Sliding Mode Control. Process Modeling and Optimization.

Professional Membership: ISTE LM.

Minor Research Project: Principal Investigator for the minor research project “Design of PID controller with safety interlock to control level of liquid in CSTR” for the academic year 2014-2015. This project is funded by University of Mumbai, Research project no.-375.

Lab Development: Responsible for the design and development Process Automation Lab interfacing DELTA-V DCS to pilot plant process skid.

Short Term Courses Designed and Co-ordinated:

1. One week STTP on “**Recent trends in electronics and Instrumentation**” from 7-11 January 2008 approved by ISTE, Govt. of India, New Delhi.
2. One week workshop on “**Scilab and it’s Applications**” from 2-7 January 2012 in association with **IITB** Mumbai.
3. One week training on “**7009 Delta-V Operate Implementation I**” from 18th to 22nd November 2013 in **EMERSON Process Management** at Pawane, Koparkhairne, Navi Mumbai.

Publications:

Sadala S. P., Awale R. N. “Process Fault Detection and Isolation of Four Water-Tank System by Subspace Identification”, 3rd International Conference on Artificial Intelligence in Engineering and Technology, University of Malaysia, Sabah, Malaysia, 22nd – 24th November 2006.

Sadala S. P., Patre B. M. "A new continuous sliding mode control approach with actuator saturation for control of 2-DOF helicopter system" ELSEVIER, ISA Transactions, 74(2018), 165-174.

Major Workshops/Courses Attended:

- 1) Short term course on "Variable Structure and Sliding Mode control- Concept, Theory and Applications" at IIT Bombay during January 21-25, 2013.
- 2) Training on "7009 Delta-V Operate Implementation I" at EMERSON Process Management, MIDC, Koparkhairne, during November 18-22, 2013.
- 3) Course SC-630 on "Variable Structure and Sliding Mode control" at IIT Bombay during January -April, 2014.
- 4) Short term course on "Advances in Variable Structure and Sliding Mode control" at IIT Bombay during May 28-June 01, 2015.

Achievements: Qualified GATE-2003 and GATE-2012.