

**Dr. Sadala Satyanarayan P.**

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### **SCHOLASTIC PROFILE**

- a) **Ph.D., Instrumentation Engineering in June 2020** from **Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded.**
- b) **M. E., Control System in 2005** from **Veer mata Jijabai Technological Institute, Mumbai, with 1<sup>st</sup> Class.**
- c) **B.E., Instrumentation Engineering in 1998** from **Shri Guru Gobind Singhji Engineering & Technology, Nanded, with 1<sup>st</sup> Class.**

### **WORK EXPERIENCE**

1. Working for **Rajiv Gandhi Institute of Technology (RGIT), Andheri (W), Mumbai** as **Assistant Professor** from 8/9/2006 to 4/3/2021 and **Associate Professor** from 5/3/2021 to till date and prior to this as a **Lecturer** from 19<sup>th</sup> June 1999 to 7<sup>th</sup> September 2006 at **Bharati Vidyapeeth College of Engineering, Navi Mumbai.**
2. Held the responsibility at RGIT as **Deputy Management Representative** from **July 2007 to July 2011** and was responsible for getting **ISO 9000:2000 certification.**
3. Held the responsibility at RGIT as **Facilitation Centre Officer** for the first year engineering admissions in the academic year 2015-16, 2016-17 and 2017-18.
4. Worked as **Convener in Innovision-2010 to Innovision-2013** which is **National level hardware project competition** at Rajiv Gandhi Institute of Technology, Mumbai, where **280 and 250 hardware projects** were displayed.
5. Syllabus Revision Committee **Member** in 2007, 2013 and 2019 Mumbai University for **Instrumentation Engineering** branch.
6. **Paper setter/moderator/evaluator** for several subjects in Instrumentation Engineering branch of Mumbai University at **UG level.**
7. Recognized as a **Post Graduate Teacher** of the Mumbai University for the **M.E. Degree in Instrumentation Engineering with effect from 7<sup>th</sup> September, 2016.**
8. Conducted various **STTP, Workshops, Faculty development programs, Seminars, National level project competitions and industrial visits etc.**
9. **Department Advisory Board member** at Bharati Vidyapeeth College of Engineering, Navi Mumbai.
10. **Result Moderation & Verification Committee Member, Mumbai University.**

## **RESEARCH PUBLICATIONS: 3 Papers in SCI Journals and 1 paper in International Conference**

- 1) **S. P. Sadala** et. al., “A New Continuous Integral Sliding Mode Control Algorithm for Inverted Pendulum and 2-DOF Helicopter Nonlinear Systems: Theory and Experiment” **Proc IMechE Part I: Journal of Systems and Control Engineering**, DOI: 10.1177/09596518211048022, 236(3), 518-530.
- 2) **S. P. Sadala** et. al., “Super-Twisting Control using Higher Order Disturbance Observer for Control of SISO and MIMO Coupled Systems” **ISA Transactions**, 106, 303-317, 2020.
- 3) **S. P. Sadala** et. al., “A New Robust Continuous Sliding Mode Control Algorithm with Actuator Saturation for Control of 2-DOF Helicopter” **ISA Transactions**, 74, 165-174, 2018.
- 4) **S. P. Sadala** et. al., “Process Fault Detection & Isolation of Four Water- Tank System by Subspace Identification”, **3<sup>rd</sup> International Conference on Artificial Intelligence in Engineering and Technology, University of Malaysia, Sabah, Malaysia, 22<sup>nd</sup> -24<sup>th</sup> November 2006.**

## **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.**

MOU: Taken initiative to sign MOU with the Industries like SIEMEN’s, Limited, Thane: RCF Limited Chembur to provide Certified Training to Students.

## **SHORT TERM COURSES DESIGNED AND CO-ORDINATED**

1. Coordinated and organized one week STTP on “**Recent trends in electronics and Instrumentation**” from 7<sup>th</sup> to 11<sup>th</sup> January 2008 approved by ISTE, Govt. of India, New Delhi.
2. Coordinated and organized one week workshop on “**Scilab and its Applications**” from 2<sup>nd</sup> to 7<sup>th</sup> January 2012 in association with **IITB** Mumbai.
3. Coordinated and organized one week training on “**7009 Delta-V Operate Implementation I**” from 18<sup>th</sup> to 22<sup>nd</sup> November 2013 in **EMERSON Process Management** at Pawane, Koparkhairne, Navi Mumbai.
4. Coordinated and organized one week online Faculty Development Program on “**Engineering Education & the Industry: A Post COVID-19 Perspective**” from 1<sup>st</sup> June to 5<sup>th</sup> June, 2020.

## **OTHER ACHIEVEMENTS**

- Qualified **GATE-2012** and **GATE-2003.**