



Sagar S. Sutar

Curriculum Vitae

UNIVERSITY EDUCATION

1. **Ph.D. (Electronics Engineering) - Registered in Year Sept 2023**
Bharati Vidhyapeeth Deemed to be University College of Engg. Pune.
2. **Master of Technology (M.Tech) (Instrumentation & Control Engg.) - 2013**
Vishwakarma Institute of Technology, Pune,(Pune University).
3. **Bachelor of Engineering (B.E.) (Instrumentation Engg.) - 2010**
Padmabhooshan Vasanttraodada Patil Institute of Technology, Budhgaon,(Shivaji University, Kolhapur).

PROFESSIONAL EXPERIENCE

S.No	Name of Organization	Designation	From Date	To Date	Total Years
1	PVPIT Budhgaon.	Assistant Professor	01/09/2017	Till Date	9
2	VPM MPCOE Velneswar.	Assistant Professor	05/01/2016	31/08/2017	1Yr 8 Months
3	PVPIT Budhgaon.	Assistant Professor	01/06/2013	01/06/2015	2
4	S S Automation Pune.	GET	01/10/2010	01/10/2011	1

PATENT: 02

1. *Design Patent in year 2022-23 Titled "PLC Based Charcoal Making Machine" Application No. 366410-001, Design Accepted & Published.*
2. *Design Patent in year 2021-22 Titled "Water Level Control System" Application No.353726 - 001 Design Accepted & Published.*

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PUBLICATIONS

International Journal: 09

1. Sagar Sutar **"Adaptive Scaling and Spectrum-Aware Enhancement of O-LSDC for Robust MIMO Detection under Realistic Channel Conditions"** of *"International Journal of Electrical and Electronics Engineering. Vol. 13 Issue No. 3 (2026)" (Scopus Indexed Journal)*.
2. Sagar Sutar **"Fractal Revolution: Unleashing Multi-Band Power in Compact Patch Antennas for 5G and Beyond"** of *"International Journal of Basic and Applied Sciences. Vol. 14 No. 3 (2025)" (Scopus Indexed Journal)*.
3. S. S. Sutar **"Automated Wood Sorting System Depending on Shapes"** of *"Iconic Research and Engineering Research. Vol. 8, Issue 5, Nov 2024" (IREJ), ISSN : 2456-8880*
4. S. S. Sutar **"PLC Based Automatic Sprinkler Irrigation System"** of *"International Journal of Engineering and Management Research. Vol. 13, Issue 3, June 2023" (IJEMR), eISSN : 2250-0758 (Online)*
5. S. S. Sutar **"Empirical Modeling and Performance Comparison of Decentralized PI / PID Controller for Two Tank Interacting Process"** of *"International Journal of Multidisciplinary Education Research. Vol. 9, Issue 4, April 2020" (IJMER), ISSN : 2277-7881 (Online), Impact Factor: 6.514*
6. S. S. Sutar **"Tuning of PID Controller for Temperature Loop"** of *"International Journal On Innovative Research In Science, Engineering & Technology. Vol. 7, Issue 5, May 2018" (IJIRSET), ISSN : 2319-8753 (Online), Impact Factor: 7.08*
7. S. S. Sutar **"Online pH Measurement and Control"** of *"International Journal of Engineering, Science and Mathematics. Vol. 6, Issue 7, November 2017" (IJESM), ISSN (Online) 2320-0294, Impact Factor: 6.7*
8. S. S. Sutar **"Design & Implementation of PID controller for single capacity tank"** of *"International Journal On Innovative Research In Science, Engineering & Technology. Vol. 5, Issue 11, November 2016" (IJIRSET), ISSN (Online) 2319 - 8753, ISSN (Print) 2347 - 6710, Impact Factor: 6.2*
9. S. S. Sutar **"PID Based Temperature Controller"** of *International Journal On Innovative Research In Electrical, Electronics, Instrumentation & Control Engineering Vol. 4, Issue 5, May 2016" (IJIREICE), ISSN (Online) 2321 - 2004, ISSN (Print) 2321 - 5526, Page No. 395-397.*

International Conference: 04

1. Sagar Sutar **"Reliability Centric Performance Analysis of O-LSDC-Assisted Massive MIMO with Artificial Intelligence for 6G Networks"** of *Conference on "RRRAI" (RRRAI- 2026) at BVDUCOE, Pune India, Held during April 03-04 2026 (Springer Atlantis)*.
2. Sagar Sutar **"OLSDC based Space Time Coding: A Novel Framework for MIMO Systems in Multipath Environments"** of *Conference on "Artificial Intelligence: Advances and Applications" (WCAIAA- 2026) at National Forensic Sciences University, Goa Campus, India, Held during Jan 30-31 2026 (Scopus Indexed Conference)*.

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3. Sagar Sutar **"Study of Optimized Linearly Scalable Dispersion Codes for 5G MIMO Systems to Improve Performance"** of Conference on "Smart Computing" (WCSC- 2025) at BBD University, Lucknow India, Held during Feb 22-23 2025 (Scopus Indexed Conference).
4. Sagar Sutar **"Tuning PID controller for desired closed loop performance specification"** of International Conference on "Innovations in Electronics and Communication Engineering" (ICIECE- 2013) at Hyderabad, India, ISBN No. 1371, Page No. 349-354.

National Conference:02

1. S. S. Sutar **"Smart medicine reminder using Arduino"** of National Conference on "Recent Trends in Engineering & Technology- 2025" (ETTS 2023) at AIT Vita, India, on 26th April 2025.
2. Sagar Sutar **National Conference on "Participated in Emerging Trends in Technology and Science"** (ETTS 2023) at MPCOE Velneshwar, India, From 28th Feb to 01 March 2023

Workshop Attended:05

1. One week STTP on **Research Methodology & IPR** at PVPIT Budhgaon, Sangli conducted by Dept. of E & Tc Engineering.
2. Two week ISTE STTP workshop on **"Electric Power System "** at Gharda Institute of technology, Lavel conducted by IIT Kharagpur.
3. Two week STTP workshop on **"MATLAB & SIMULINK: Learning by Doing "** at GOVT.College of Engineering, Karad conducted by Dept. of electrical engineering.
4. One days workshop on **"Inter collegiate Research Convention"** organized by Mumbai University held at MPCOE Velneshwar on 24th September 2016.
5. Two days FDP workshop on **"Virtual Lab"** at MPCOE Velneshwar conducted by COE Pune.

Industrial Training: 04

1. One Month Training Completed on **"Industrial Automation Expert"** at **SAN Techno Mentors Pvt. Ltd. Pune.**
2. Two Weeks course of Hi Tech training on PLC Programming (**Allen Bradley**) at Industrial Training Institute Aundh, Pune.
3. One week Industrial Training on **"Process control of oil Refinery and Solvent Extraction Process"** at **Ghodawat Foods International Pvt. Ltd. Chipari.**
4. Two weeks Industrial training in **"Krishna Sahakari Sakkare Karkhana, Niyamit Athani"**, Belgaum.

INSTITUTE RESPONSIBILITIES

1. Worked as Senior Supervisor for University Examinations (DBATU) from 21 July 2025 to 28 July 2025.
2. Served as Member of Institution's Innovation Council (IIC) Cell, promoting innovation and entrepreneurship activities.

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3. *Acted as Head for NAAC Criteria 3 (Research, Innovations, and Extension), coordinating documentation, data collection, and compliance.*

DEPARTMENTAL RESPONSIBILITIES

1. *Served as Training and Placement Coordinator, coordinating campus recruitment drives, industry interactions, and student placement activities.*
2. *Coordinated Industry-Institute Interaction Department activities, including industrial visits, expert talks, internships, and MoUs with companies.*
3. *Collected online feedback from students using online links to enhance teaching quality.*

MEMBER

ISTE **Life Membership with Member No. LM 114234**

IEEE **IEEE Membership with Member No. 100191307 Bombay Section**

COMPUTER SKILLS

Development Tools MS OFFICE, MICROSOFT VISIO, INKSCAPE, KEIL, MATLAB
Languages \LaTeX

AREA OF INTEREST

1. PLC and DCS Programming
2. Process Instrumentation Systems
3. System Design Using MATLAB / Simulink

SUBJECT TAUGHT

1. Industrial Automation And Control
2. Industrial Project Planning And Estimation
3. Process Loop Components
4. Network Analysis And Synthesis
5. Control System Components
6. Unit Operation
7. Linear Integrated Circuits
8. Process Control
9. Industrial Management & Economics

I here by declare that all the above statements are true and correct to the best of my knowledge and belief.

PLACE: Sangli

Date:

Mr. Sagar S. Sutar

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