

Dr. Ajay Bhimrao Sutar

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Educational Qualifications

- **B.E. (Mechanical Engineering)**
- **M.E. (Mechanical Engineering)**
- **Ph. D. (Mechanical Engineering)**

Experience

- **20 Years of Teaching Experience**
 - Currently working as a **Lecturer in Mechanical Engineering** in **All India Shri Shivaji Memorial Society's Polytechnic, Pune.**
 - Worked as a **Lecturer in Mechanical Engineering** in **Padmashree Dr. D. Y. Patil Polytechnic, Akurdi, Pune.**
 - Worked as a Member of Three Member Committee of Regional Reassessment Center of Maharashtra State Board of Technical Education, Mumbai.
 - Worked as Officer-In-Charge for Regional Reassessment Center of Maharashtra State Board of Technical Education, Mumbai.
 - Worked as Officer-In-Charge for Photocopy Collection and Distribution Center-2 Pune of Maharashtra State Board of Technical Education, Mumbai
 - Expertise in delivering technical subjects and guiding students in academic and practical learning

Awards/Achievements

- **BEST PAPER AWARD** in **International Conference on Interdisciplinary Advances in Mechanical, Electronics and Computer Engineering (INMEC) – 2026** for **“Development of Micro-Electro-Mechanical Systems (MEMS) for Sensing”** , organised by Globminds Technolgy Pvt. Ltd. And Keystone School Of Engineering, Pune.

Research & Publications

- **Publications:**
- Ajay B. Sutar, Rajesh D. Bhosale, Rushikesh Y. Pargaonkar, Mahesh B. Nigade, **“Development of Micro-Electro-Mechanical Systems (MEMS) for Sensing in International Conference on Interdisciplinary Advances in Mechanical, Electronics and Computer Engineering (INMEC) – 2026** organised by Globminds Technology Pvt. Ltd. And Keystone School Of Engineering, Pune.
- Ajay B. Sutar, Dr. Prashant Singh, Dr. Vithoba Tale. **“Optimization of the weight of Inner Link Plates in Roller Chains for Industrial Applications” in International Conference on Recent Advances in Engineering and Sciences (ICRAES) - 2025.**
- Ajay B. Sutar, Dr. Prashant Singh, Dr. Tushar D. Bhoite, Mahesh B. Nigade. **“Weight Optimization and Material Optimization for Conveyor Chain Link” in International Conference on Innovative Engineering Technologies (ICIET) - 2025.**
- Ajay B. Sutar, Dr. Prashant Singh, Dr. Tushar D. Bhoite, Dr. D. S. Shelar, **“ Improved Conveyor Chain Link Performance via Weight and Material Optimization” in Open Access Research Journal of Science and Technology, Volume (15) Issue (2) 2025.**
- Ajay B. Sutar, Dr. Prashant Singh, Dr. Tushar D. Bhoite, Dr. D. S. Shelar, **“ Enhancement of Ease of Assembly for Conveyor Chain Link System Using Part Consolidation Approach” in Journal of Techniques – Sciences - Methodes, Volume (9) Issue (12) December 2025.**
- Ajay B. Sutar, Prof. Ganesh E. Kondhalkar, **“Optimization of Weight of Roller Chain’s Inner Link Plate for Typical Industrial Application : A Review” in National Conference on Technical Revolution (NCTR) – 2017** organized by Savitribai Phule Pune University, Pune and ABMSP’s APCOER, Pune.
- Mr. A.B. Sutar, Ms. S. S. Sawrate, Rohit Devanpelli, Pranav Altekar, Akash Hiremath, Yogesh Khapare, **“Design of 3D component manufacturing system based on FDM Technique”, in INTERNATIONAL JOURNAL OF ADVANCE SCIENTIFIC RESEARCH & ENGINEERING TRENDS (IJASRET) Volume 5; Issue 12, April 2021.**
- Mr. A.B. Sutar, Ms. S. S. Sawrate, Gourav Dhore, Rushikesh Jagtap, Sumit Bhakad, Pratik Yadav, **“Exploring 3D Printing using CURA: A Slicing software”, in INTERNATIONAL JOURNAL OF ADVANCE SCIENTIFIC RESEARCH & ENGINEERING TRENDS (IJASRET) Volume 5; Issue 12, April 2021.**
- Mr. A.B. Sutar, Ms. S. S. Sawrate, Shubham Kurhe, Sandeep Pawar, Abhang Gonekar, Akshay Kadam, **“A Review on 3D Component Manufacturing System”, in INTERNATIONAL JOURNAL OF ADVANCE SCIENTIFIC RESEARCH & ENGINEERING TRENDS (IJASRET) Volume 5; Issue 12, April 2021.**
- Mr. A.B. Sutar, Ms. S. S. Sawrate, Kalpesh Taru, Nihal Pawar, Sanket Patole, Sanket Ruikar, **“Fabrication of 3D component manufacturing system based on FDM Technique”, in INTERNATIONAL JOURNAL OF ADVANCE SCIENTIFIC RESEARCH & ENGINEERING TRENDS (IJASRET) Volume 5; Issue 12, April 2021.**

Course/Seminar/Symposium/Work shop attended

- Participated in One Week Faculty Development Program (FDP) on “**Research Methodology, Ethics and Publication Tools**” organized by PVG’s COETM, Pune in Association with The Institution of Engineers (India) Pune Local Centre.
- Participated in One Week Faculty Development Program (FDP) on “**Robotics and Automation**” organized by **A.I.S.S.M.S.’s Polytechnic, Pune** in Association with Maharashtra State Board of Technical Education, Mumbai.

Professional Membership

- *Life Member ISTE (Indian Society for Technical Education)*