

Name:

Dr. Anilkumar Pralhad Kaldate

Designation:

Assistant Professor

Contact Details:

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Phone Number with extension: 020 24228258

Educational Qualifications:

- Ph.D. (Mechanical Engineering), Savitribai Phule Pune University, Pune,
- M.E. (Mechanical Engineering), Savitribai Phule Pune University, Pune,
- B.E. (Mechanical Engineering), Amravati University Amravati,

Experience:

- Teaching: 20 Years

Research Interests:

- Gear Engineering
- Design Engineering

Research Projects:

- Gear Finishing using hybrid and advanced technology

Field of Consultancy (Aspiring):

- Gear Finishing

Number of Publications:

International Journal: 2

National Journal: 2

International Conference: 5

National Conference: 1

Recognition/ Awards:

- PG Guide for Mechanical Engineering under SPPU, Pune

Professional Society Memberships:

- ISTE - LM70875
- SAE

Number of FDPs / STTPs attended: 10

Number of Workshops attended: 02

Number of Conferences / Seminars attended: 12

Number of Online Certification Courses done: 02

Number of Webinar attended: 11

Number of times served as a Reviewer / Judge: 02

Details of Research papers published:

- 1) **Anilkumar Kaldate** and **Ravindra Edlabadkar**, "Effect of Cryogenic Heat-Treated Honing Gears on Surface Quality Improvement of Bevel Gears in P-ECH Process." *Journal of Information Systems Engineering and Management*, 2025, 10(13s) e-ISSN: 2468-4376, (**Scopus Indexed**) **0.230**
- 2) **Anilkumar Kaldate** and **Ravindra Edlabadkar**, "Effect of heat-treated and coated honing gear on surface quality enhancement of bevel gears in P-ECH process", *Surface Engineering, Sage Publication*, 2025 (**Scopus Indexed, SCIE, EBSCO**) **Impact factor 2.6**
- 3) **Anilkumar Kaldate** and **Ravindra Edlabadkar**, "Performance Analysis of Pulsed electrochemical Honing: A Comparative Perspective with Conventional Gear Finishing", ICET- 2025
- 4) **Anilkumar Kaldate** and **Ravindra Edlabadkar**, "Controlling Dimensional Stability of 20MnCr5 Gears after Liquid Nitriding Process" IC-MNTC 2024
- 5) **A.P.Kaldate**, K.Kumar C.S.Ekhande A.V.Munde R.M.Nanaware M.G.Nikam "Installation Effects of Transit Time Ultrasonic Flow Meter on Sloped Straight Pipes", National conference, SIT, Lonawala 2015

- 6) **Anilkumar Kaldate**, Verification of vibration in adhesively bonded Single Lap Joint by using Finite element and Experimental Analysis, International Conference held at Pollachi, Tamil Nadu, 2008
- 7) **Anilkumar Kaldate**, Vibration analysis of adhesively bonded Single lap joint, International Conference held at Shivakasi, Tamil Nadu, 2008

Details of FDPs / STTPs attended in last 5 years:

1. Think. Do. Write. Publish. – A Step-by-Step Guide to Research Article” STTP, October 27-31 ,2025. Dwarkadas J. Sanghvi College of Engineering, Vile Parle (West), Mumbai – 400056
2. Syllabus Implementation Workshop on “SOLID MECHANICS” SE Mechanical (NEP 2024 Pattern) 7/18/2025, Dr. V. K. Patil CoE, Ahilyanagar
3. “Academic Excellence Through Research & Innovation” 24-28th November 2025, APCOE, Pune
4. NPTEL - Product Design and Development, July-August 2025, Swayam, NPTEL
5. Research Methodology, Ethics and Publication Tools, 16-20th June 2025, PVGCOET&M, Pune
6. Basic Rajyoga Meditation Course jointly organised by Brahrma Kumaris, Mira Society Centre, Pune and PVG's College of Engineering and Technology & GK Pate (Wani) Institute of Management, Pune-09 conducted from 9th January 2024 to 12th January 2024.
7. Dassault Systemes SolidWorks 2024 & 3DEXPERIENCE Hands on Workshop on FEA / CFD / MBD (Kinematics) / Solid Modeling Assignments As per SPPU Course Curriculum Jointly organised by IELSPL & PVG's COET & GKPIOM, Pune 19th to 23rd January, 2024
8. Participated in 2 Days Workshop on ‘PROJECT WRITING FOR GRANTS (How to Write a Project, Applying for Grants) & RESEARCH PAPER WRITING’ organised by Malwanchal University–Indore, Research Foundation of India & RFI-CARE from 27 January to 28 January 2024.
9. Participated in a National Level 5-Days Faculty Development Programme (Online) on Intellectual Property Rights ‘INSIGHT OF INDIAN PATENTS’

conducted from 18th March, 2024 to 22nd March 2024 organised by PCCOER,
Ravet

Major Portfolios Handled: (college level and department level)

- NBA Cr. 5 Dept Coordinator
- NAAC 6 Dept Coordinator
- B.E. Project Coordinator
- Or/Pr. Coordinator.
- SAE BAJA faculty Advisor

Role in University Bodies....

- Worked as a committee member LIC Committee, SPPU
- Worked as a committee member for selection committee, SPPU