

Name:

Prof. Archana Samir Kale

Designation:

Assistant Professor

Contact Details:

Email id: ask_fe@pvgcoet.ac.in

Phone Number with extension: 020 24228258 / 65 / 79

**Educational Qualifications:**

- M.Phil. (Physics), Pune University, Pune, Sept 2007.
- M.Sc. (Physics), Pune University, Pune, June 2002
- B. Sc. (Physics). Pune University, Pune, June 2000

Experience:

- Teaching: 15 Years
- Research: 8 Years

Research Interests:

- Material Science
- Acoustics

Number of Publications:

International Journal:5

National Journal:1

International Conference:3

National Conference:0

Professional Society Memberships:

- ISTE

Number of FDPs / STTPs attended: 06

Number of Workshops attended: 02

Number of Conferences / Seminars attended: 03

Number of Online Certification Courses done: 02

Number of Webinar attended: 02

Details of Research papers published:

- Parametric Analysis of Transmission Loss in Expansion Chamber Muffler using Simulation Archana Kale, Farhat Surve. International Journal of Future Generation Communication and Networking (IJFGCN) Vol.14, No. 1, (2021), pp. 3975 – 3981 UGC care listed journal, listed in Web of Science group (2021) ISSN: 2233-7857 (Online)
- Study of Expansion Chamber Muffler Characteristics using Pink and White Noise Sources A. Kale, F. Surve Journal of Scientific Research 14 (1), 67-77 (2022); doi: <http://dx.doi.org/10.3329/jsr.v14i1.53262> UGC care listed journal, listed in Group I ISSN: 2070-0237; E ISSN: 2070-0245
- Transmission And Insertion Loss in Commercial Mufflers Using Pink and White Noise Sources Archana Kale, Farhat Surve International Journal of Research in Academic World 1(15):04-08(2022) International, Peer-reviewed, Open-access, Multidisciplinary, Online Journal Impact Factor (SJIF): 6.092; E-ISSN: 2583-1615
- Role Of End-Correction in Enhancing Transmission Loss Estimates in Case of Extended Inlet-Outlet Expansion Chamber Mufflers Using Simulation Archana Kale, Farhat Surve Indian Journal of Science and Technology 16(19): 1453-1460 (2023); doi: <https://doi.org/10.17485/IJST/v16i19.1645> UGC care listed journal, listed in Scopus Source List Print ISSN: 0974-6846; Online ISSN: 0974-5645
- Comparative Study of End Correction Models in Case of Extended Tube Expansion Chamber Muffler Archana Kale, Farhat Surve Accepted by Materials Today: Proceedings UGC care listed journal, listed in Scopus Source List Research Impact Score: 3 ISSN: 2214-7853
- CO and LPG Sensing Properties of Cu-Doped SnO₂ Pellets Using Pulsed Laser Ablation with the Effect of Ablation Time and Sintering Temperature Anil Garje, Archana Inamdar and Rohini Aiyer International Journal of Applied Ceramic Technology 8(3), 691-699 (2011); DOI: <https://doi.org/10.1111/j.1744-7402.2010.02504.x>

Details of FDPs / STTPs attended in last 5 years:

- STTP on 'Data Science for Business' organized by Dept of AI&DS, VIIT, Pune between 4/09/2023-8/09/2023

- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Research Methodology and Optimization Techniques" from 13/12/2021 to 17/12/2021 at Government Polytechnic Nashik.
- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "MODELING & SIMULATION IN MATLAB FOR MECHANICAL ENGINEERING" from 06/12/2021 to 10/12/2021 at Rungta College of Engineering & Technology.
- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "National Education Policy "Teachers Role in NEP Implementation"" from 22/11/2021 to 26/11/2021 at Indira Gandhi National Open University Regional Centre Panaji.
- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Effective Leadership and Excellence in Technical Education" from 15/11/2021 to 19/11/2021 at Women Engineering College Ajmer.
- FDP on Renewable Energy Sources: A way ahead' organized by American Society of Materials, ISHRAE and Cummins college of Engineering during 15/05/2020 – 21/05/2020