

Faculty Profile

- **Faculty Name** : Amol Avinash Patil
- **Designation** : Assistant Professor
- **Department** : Mechanical Engineering
- **Mobile No.** : 9011758858
- **Email Id.** : tpo@amgoi.edu.in

• Educational Qualification

| Sl. | Degree | University | Class |
|-----|-----------------------------------|------------------------------|-------|
| 1 | B.E.- Mechanical Engineering | Shivaji University, Kolhapur | First |
| 2 | M. Tech. – Mechanical Engineering | Shivaji University, Kolhapur | First |

• Professional experience:-

Total experience in years:-11

Teaching: - 10 Industrial: -01

Research: -00

| SN. | Organization | Post | Period |
|-----|--|-----------------------------|-----------------------------------|
| 1 | Ashokrao Mane Group of Institutions, Vathar | Assistant Professor and TPO | 03 October, 2024 to Till Date |
| 2 | Nanasaheb Mahadik College of Engineering | Assistant Professor | 1 July. 2016 to 30 September 2025 |
| 3 | A S Motor Garage, Kolhapur. | Service Advisor | 01 July 2013 to 30 August 2014 |
| 4 | Sanjeevan Engineering and Technology Institute Panhala | Assistant Professor | 21 August 2012 to 31 May 2013 |

➤ Subject Taught:-

| Undergraduate Subjects | | | |
|------------------------|-------------------------|---|------------------------------|
| 1 | Finite Element Analysis | 2 | Noise and Vibration |
| 3 | Applied Mechanics | 4 | Engineering Metallurgy |
| 5 | Engineering Materials | 6 | Intellectual Property Rights |
| 7 | Machine Design | 8 | Basic Human Rights |

- **Project Work at P.G.:-** Dynamic Analysis of Helical Gear using Photo Elastic Coating
- **Project Work at U.G.:-** Design and Fabrication of Pipe Bending Machine.
- **Research Area of Interest:-** Mechanical Design

➤ **Paper Published in National & International Journal:-**

| Sl. | Title | Name of Journal | Type* (NJ/IJ) | Date | ISSN No. |
|-----|---|--|------------------|------------|--------------------|
| 1 | Dynamic Analysis of Helical Gear Tooth to Evaluate Bending Stresses at Root by using FEA and Photo Elastic Coating. | International Conference on Recent Innovations in Science Engineering and Management | IJ | 23/02/2018 | 978-93-87793-02-06 |

* NJ- National Journal

IJ- International Journal

➤ **No. of Project Guided at U.G. Level:-** 14

➤ **No. of Project Guided at P.G. Level:-** 00

➤ **STTP/FDP/Workshops/Attended/Participated:-**

| Sl. | Name of STTP/FDP/workshop | Organized By | Date |
|-----|---|--|---------------|
| 1 | Nanotechnology : Synthesis, Characterization and Applications of Nano materials in Engineering and Science. | Bharati Vidyapeeth's College of Engineering, Kolhapur. | 17-22/01/2022 |
| 2 | Faculty Development Program for Student Induction. | AICTE | 28-30/06/2018 |
| 3 | Teaching Methodology for Noise and Vibration | SUK, Kolhapur | 22/12/2017 |
| 4 | Use of ICT Tool for Quality Enhancement of Higher Education Institutes | SETI, Panhala | 09-10/12/2022 |
| 5 | Writing an Effective Research Article | KLS VEDIT | 03-07/10/2023 |
| 6 | COVID-19 Pandemic Awareness Quiz | NMCOE | 23/04/2020 |
| 7 | TPO Development Program | MaTPO | 6-8/07/2021 |

➤ **Programs Organized:-**

| Sl. | Name of Program | Institute | Date |
|-----|--------------------------------------|-----------|------------|
| 1 | Mega Job Fair | NMCOE | 27/09/2023 |
| 2 | Swayam Rojgar Melawa | NMCOE | 21/01/2024 |
| 3 | International Conference | NMCOE | 23/02/2018 |
| 4 | FDP on Noise Vibration and Harshness | NMCOE | 22/12/2017 |

➤ **Special Achievements :-**

➤ Awarded " **Emerging Leader in T& P Award**" by MaTPO on 21st December, 2021

➤ Awarded " **Young Achiever TPO Award**" by MaTPO on 7th March , 2025.

➤ **Responsibilities:-**

- TPO from 1/1/2021
- NAAC Criteria 7 incharge.

➤ **Other Experience/Responsibilities If Any :-**

➤ **Social Contribution If Any:-** Blood Donation, Tree Plantation.

1. **Professional Membership If Any:-** Life member of MaTPO (MaTPO LM27)