

Faculty Profile

- **Faculty Name** : **Amol Avinash Patil**
- **Designation** : **Assistant Professor and TPO**
- **Department** : **Mechanical Engineering**
- **Mobile No.** : **9011758858, 8669147704**
- **Email Id.** : **emec641aap@bmsspmmami.edu.in**

• Educational Qualification

Sl.	Degree	University	Class
1	B.E.- Mechanical Engineering	Shivaji University, Kolhapur	First
2	M.E. Mechanical Design	Shivaji University, Kolhapur	First class
3	PhD (Mechanical Engineering)	Shivaji University, Kolhapur	Appear

• Professional experience:-

Total experience in years:- 12 Years & 06 Months

Teaching: - 11Yr. & 06 Months

Industrial: -01

Research: -00

Sl.	Organization	Post	Period
1	Ashokrao Mane Group of Institutions, Vathar	Assistant Professor and TPO	3 rd Oct 2024 to Till Date
2	Nanasaheb Mahadik College of Engineering, Peth.	Assistant Professor and TPO	1 st Jan 2016 to 30 th Sep 2024
3	A S Motor Garage Kolhapur	Service Advisor	1 Aug 2013 to 30 th Sep 2014
4	Sanjeevan Engineering and Technology Panhala	Assistant Professor	21 st Aug 2012 to 31 st May 2013

➤ Subject Taught:-

Undergraduate Subjects			
1	Finite Element Analysis	2	Noise and Vibration
3	Engineering Mechanics	4	Machine Design
5	Design Thinking	6	Metallurgy
7	Product Lifecycle Management	8	Intellectual Property Rights
9	Fundamentals of Automotive Systems	10	Engineering Materials
Postgraduate Subjects			
1	Integrated Product Design	2	Research Methodology and IPR

- **Project Work at U.G.:-** “Design and Development of semi automatic pipe bending machine
- **Project Work at P.G.:-** “Dynamic Analysis Of Helical Tooth To Evaluate Bending Stresses At Root Of Tooth By Using Photoelastic Coating And FEM”
- **Research Project Work at PhD :** AI Powered Anomaly Detection Of Hydraulic And Pneumatic Systems Using IIOT.
- **Research Area of Interest:-** Design, AI and ML, Condition Monitoring, 3D Printing Technology, Design Thinking
- **Book Published :-** NIL
- **OTHER CREDENTIALS:**
Patent, Certificates & Recognition Received:
•Sugarcane Intercultivator and Fertiliser Sowing Machine ”, Design No. 432349-001, Grant Date: 30/09/2024.

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

Sl.	Title	Name of Journal	Type* (NJ/IJ)	Date	ISSN No.
1	“Performance Evaluation of SS-304 Solar Still: Experimental and ANSYS-CFD Approach”	International conference on integrated research and sustainable development.	IJ	31 Oct.2025	

* NJ- National Journal IJ- International Journal

- **No. of Project Guided at U.G. Level:-** 12
- **No. of Project Guided at P.G. Level:-** 00
- **STTP/FDP/Workshops/Attended/Participated:-**

Sl.	Name of STTP/FDP/workshop	Organized By	Date
1	Online International Faculty Development Programme (e-FDP) on “Technology & Innovation Management”	Shree Santkrupa Institute of Engineering and Technology	Feb.2026
2	Theory, Operation and Applications of Actuators and Transducers in Industry”	NITTR Kolkata	Jan 2020
3	Next-Gen Manufacturing: Embracing Industry 4.0 (ATAL FDP)	AMGOI, Vathar tarf Vadgaon	Aug 2025
4	3 days workshop during the 45th GISFI Standardization Series Meeting & International Workshop on Digitization: Bridging the Present & Future	AMGOI, Vathar tarf Vadgaon	30th October to 1st November 2025
5	Industry 4.0 and 5.0 : Opportunities and Challenges	AMGOI, Vathar tarf Vadgaon	Jan 2026

➤ **Programs Organized:-**

Sl.	Name of Program	Institute	Date
1	Deendayal Upadhyay Rojgar Melawa	AMGOI, Vathar tarf Vadgaon	29 Dec. 2023

2	Placement Drives of various companies	AMGOI, Vathar tarf Vadgaon	2024-2024
3	Study Abroad sessions for All TY students	AMGOI, Vathar tarf Vadgaon	March 2025
4	AMVI Preperation session	AMGOI, Vathar tarf Vadgaon	April 2026
5	GATE Preperation sessions	AMGOI, Vathar tarf Vadgaon	Feb 2025

➤ **Special Achievements :-**

➤ **Excellence in Career Guidance Award by Asian Institute of Management Nashik**

➤ **Emerging Leader in T&P by MaTPO**

➤ **Young Achiever TPO Award by Wisdom Career Education Mumbai**

➤ **Social Contribution If Any:-** Notebook Donation, Tree Plantation, Blood Donation, Career counselling sessions for students

1. Professional Membership :

- **Lifetime Member of MaTPO**
- **Lifetime Member of International Association of Engineers**