

Faculty Profile

- **Faculty Name** : **Amol Balawant Rabade**
- **Designation** : **Assistant Professor**
- **Department** : **Mechanical Engineering**
- **Mobile No.** : **09975099955**
- **Email Id.** : **emec083abr@bmspmami.edu.in**

• Educational Qualification

Sl.	Degree	University	Class
1	B.E.- Computer Science & Engineering	Shivaji University, Kolhapur	First
2	M. E. – Design Engineering	Shivaji University, Kolhapur	First
3	Ph. D	Shivaji University, Kolhapur	Pursuing

• Professional experience:-

Total experience in years:-15

Teaching: - 13

Industrial: -02

Research: -00

Sl.	Organization	Post	Period
1	Ashokrao Mane Group of Institutions, Vathar	Assistant Professor	03 July 2014 to Till Date
2	Ashokrao Mane Polytechnic, Vathar	Lecturer	10 July 2013 to 30 June 2014
3	Manugraph India Ltd, Unit No. 2, Kodoli	Technical Executive	2 September 2011 to 06 July 2013

➤ Subject Taught:-

Undergraduate Subjects			
1	Machine Design II	2	Theory of Machines II
3	Theory of Machines I	4	Design Thinking
5	Industrial Automation & Robotics	6	Refrigeration & Air Conditioning
7	Fluid Mechanics	8	Fluid Machinery
Postgraduate Subjects			
1	Advanced Mechanical Vibrations	2	Design Optimization

- **Project Work at U.G.:-** WEB MINING – RSS FEEDS SIMULATOR.
- **Project Work at P.G.:-** Design and Development of SPM for Face Milling & Two Hole Boring of a CR-22 Block
- **Research Area of Interest:-** Design Engineering, Robotics
- **Book Published :-** -

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

Sl.	Title	Name of Journal	Type* (NJ/IJ)	Date	ISSN No.
1	Advances in Weed Detection: A Comparative Review of Deep Learning and Sensor-Based Methodologies	Journal of Sensor and Cloud Computing	IJ	May – August, 2025	3048-9199
2	Design and Development of SPM for Face Milling & Two Hole Boring of a CR-22 Block	International Journal of Innovative Research in Science, Engineering and Technology	IJ	January 2014	2319-8753
3	Design, Development and Testing of Bent Axis Piston Pump	International Journal of Application or Innovation in Engineering & Management	IJ	December 2013	2319 - 4847

* NJ- National Journal IJ- International Journal

➤ **No. of Project Guided at U.G. Level:-** 16

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

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

Sl.	Name of STTP/FDP/workshop	Organized By	Date
1	Industry 4.0 and Industry 5.0: Challenges and Applications	Shri Balasaheb Mane Shikshan Prasarak Mandal's Ashokrao Mane Group of Institutions, Kolhapur, Maharashtra, India	09 th March 2026 – 13 th March 2026
2	GISFI Standardization Series Meeting & International Workshop on Digitization: Bridging the Present & Future	Shri Balasaheb Mane Shikshan Prasarak Mandal's Ashokrao Mane Group of Institutions, Kolhapur, Maharashtra, India.	30 th October - 1 st November 2025
3	Recent trends and Advancements in Mechanical Science	Rathinam Technical Campus, Coiminator	15 th Sept. 2025 – 20 th Sept. 2025
4	Next-Gen Manufacturing: Embracing Industry 4.0	BMSPM's, Ashokrao Mane Group of Institutions, Vathar in association with AICTE, New Delhi	25 th Aug. 2025 – 30 th Aug. 2025
5	Unlock the Power of AI in Education & Research	School of Engineering & Tchnology, Pimpri Chinchwad University,	14th July 2025 – 25th July 2025

		Pune	
6	Next-Gen Manufacturing: Embracing Industry 4.0	Shri Balasaheb Mane Shikshan Prasarak Mandal's Ashokrao Mane Group Of Institutions	25 th Aug. 2025 - 30 th Aug. 2025
7	The NEP – 2020 Orientation & Sensitization programme under Malaviya Mission Teacher Training Programme (MM-TTP)	UGC-MMTTC (GAD-MMTTC), Shri Guru Tegh Bahadur Khalsa College, University of Delhi	04 th November - 14 th November 2024.
8	Participated in one-week Short Term Training Programme (STTP) on Advanced Industrial Automation with PLC & IIOT	BMSPM's, Ashokrao Mane Group of Institutions, Vathar & Codetronics & PG Automation, Surat, Gujrat	03 rd July 2024 – 07 th July 2024
9	Design of Experiment & Optimization	Ashokrao Mane Group of Institutions, Vathar	11 th Dec 2023 – 16 th Dec 2023
10	LabVIEW for Engineers	Pune Vidyarthi Griha's College of Engineering and Technology & G. K. Pate (Wani) Institute of Management, Pune.	26 th May 2023 - 28 th May 2023
11	NBA Accreditation and Teaching and learning in Engineering (NATE)	NPTEL – AICTE	Jan – April 2023.
12	Recent Trends In Advanced Manufacturing Technology	D Y Patil College of Engineering, Akurdi, Pune-44 in Association with American Society of Material (ASM) International Pune Chapter	24th April -28th April 2023
13	Optimization Techniques and Awareness on Research	College of Engineering, Pandharpur in association with AICTE, New Delhi	14h June 2021 – 19th June 2021
14	Advances in Mechanical Engineering for Sustainability	Engineering College, Bikaner, Rajasthan	27 th May. 2021 – 31 th May. 2021
15	Advances in Manufacturing and Materials	D. Y. Patil College of Engineering & Technology, Kasaba	20th April – 24th April 2021

		Bawada in association with ISTE, New Delhi	
16	Manufacturing Practices and Industry 4.0	Engineering College, Bikaner, Rajasthan	08th June 2020 – 12th June 2020
17	Optimization Techniques and Awareness on Research	Ashokrao Mane Group of Institutions, Vathar in association with AICTE, New Delhi	30th Dec. 2019 – 03rd Jan. 2020
18	Renewable Energy Sources : Past, Present and Future	Ashokrao Mane Group of Institutions, Vathar in association with AICTE, New Delhi	05th Feb. – 17th Feb. 2018
19	Graphical System Design in Engineering Education & Research	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon.	19th& 20th January, 2016
20	Accreditation by NBA – June 2015 Format	Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon	08th November, 2015

➤ **Programs Organized:-**

Sl.	Name of Program	Institute	Date
1	Renewable Energy Sources : Past, Present and Future	Ashokrao Mane Group of Institutions, Vathar in association with AICTE, New Delhi	05th Feb. – 17th Feb. 2018

➤ **Special Achievements :-**

- **Departmental Responsibilities:-** Academic Coordinator, NBA, NAAC, IQAC Coordinator
- **Other Experience/Responsibilities If Any :-** DBATU CAP Coordinator, DBATU Stationary Distribution In charge
- **Social Contribution If Any:-** Notebook Donation, Tree Plantation, Blood Donation
- 1. **Professional Membership If Any:-**