

Faculty Profile

- **Faculty Name** : **YOGESH ASHOK INGALE**
- **Designation** : Assistant Professor
- **Department** : Mechanical Engineering
- **Mobile No.** : 8055752331
- **Email Id.** : ingaleyogesh@20gmail.com

● Educational Qualification

Sl.	Degree	University	Class
1	B.E.- Mechanical Engineering	Solapur University, Solapur	First class with Dist
2	M.E. Mechanical Design	Shivaji University, Kolhapur	First class

● Professional experience:-

Total experience in years:-17 Years & 01 Months

Teaching: - 14 Yr. & 5 Months

Industrial: -2.6

Research: -00

Sl.	Organization	Post	Period
1	VJTI, MUMBAI	Adhoc Faculty	06/ 2020 to 06/2026
2	SSVSS, BSIET, KOLHAPUR	Lecturer	06/2018 to 05/2020
3	SETI, PANHALA.	Assistant Professor	12/2012 to 05/2018

➤ Subject Taught:-

Undergraduate Subjects			
1	Finite Element Analysis	2	Computer Aided Drafting
3	Engineering Mechanics	4	Machine Design
5	Strength of Materials	6	Computer Application
7	Manufacturing Processes	8	Intellectual Property Rights
9	Fundamentals of Automotive Systems	10	Engineering Drawing
Postgraduate Subjects			
1	Finite Element Analysis	2	Research Methodology and IPR

- **Key Achievements / Awards:** - Consistently Awarded for the “**Excellence in Teaching Award**” (5th September 2024) and the “**Best Teacher Award**” (5th September 2023) on the occasion of Teacher’s Day at VJTI, Mumbai.

- **Research Area of Interest:** - Design, Friction, Tribology, CAD /CAM /CAE, Advance I. C .Engine testing, Drone Technology.

➤ Soft skill:-

- ✓ Design and Modelling: AUTO CAD 2026 (3D version), CATIA R2026x software.

- ✓ Analysis Software: ANSYS 19.2, 24R1 for Static structural, steady state thermal, modal analysis, buckling analysis.
- ✓ Automation and Simulation: FESTO Fluid Sim version 4.2 Software used for designing and simulation of hydraulic & pneumatic circuit.

➤ **Project Work at U.G.:-** “Design & development Automatic clay content tester, which is used to find out percentage of clay present in foundry sand.”

➤ **Project Work at P.G.:-** “Design of plastic gear using gear mfg. standards for on case study. The developed plastic gear specimen will be validated by using experimental as well as FEA method.”

➤ **Major Contribution in Institute Accreditation:**

- Head of Criteria no. 03 & 04 of NBA committee at VJTI, Mumbai.
- Documentation Head for all Criteria files of NBA committee at VJTI, Mumbai.
- DAB coordinator of NBA committee at BSIET, Kolhapur.
- Department member of NAAC committee at SETI, Panhala

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

Activity	Details
Major Academic Publications (In Current & Past year)	1. Mechanism-Informed Statistical Modeling and Optimization of Tribological performance in WC-Co-Al₂O₃ Composite Coatings Using Definitive Screening Design. [Under Proceeding 2026*] 2. Intelligent Predictive Framework for Erosive Wear Behaviour of Thermal Sprayed Composite WC-WCrC-Ni- Al₂O₃ Coatings. [Under Proceeding 2026*] 3. "High temperature erosion behaviour of SS 316L, APS and HVOF sprayed WC-Cr₃C₂-Ni coatings"; Wear (2020), Elsevier (under review). Impact Factor: 4.108. 4. "Investigation of load carrying capacity for steering system with polymer helical rack & pinion gear" in Springer book edition May 2017. 5. "Comparative Study of Steel, Nylon 66 and DELRIN material Helical gears steering gearbox" in International journal of Research in Engineering & Technology, Volume 5, Issue 6, June 2016.
Paper presented at International Conference	"Investigation of load carrying capacity for helical rack & pinion gear by using AGMA design approach" in International Conference on "Advanced Technologies for Societal Applications – TECHNO SOCIETAL 2016" held at SVERI's College of Engineering, Pandharpur during 20-21 st December 2016.
Book / Chapter Publication	"Investigation of load carrying capacity for helical rack & pinion gear by using AGMA design approach" chapter published in "Advanced Technologies for Societal Applications – TECHNO SOCIETAL 2016" Book.

- **No. of Project Guided at U.G. Level:-** 04
- **No. of Project Guided at P.G. Level:-** 00
- **STTP/FDP/Workshops/Attended/Participated:-**

Sl.	Name of STTP/FDP/workshop	Organized By	Date
1	AICTE- Vibrant Advocacy for Advancement & Nurturing of Indian Languages VAANI Digital Foundries : Integration of IoT, Robotics & Automation	SWVSM'S TKIET, Kop.	18/8/25 to 20/8/25
2	Computational Methods for Engineering Applications [CMEA-2016]	SETI, Panhala.	27/12/16 to 31/12/16
3	Teaching Methodology for Third Year (BE) Automobile Engg Revised Syllabus.	ADCET, Ashta.	24/8/2015
4	Teaching Methodology for Final Year (BE) Automobile Engg Revised Syllabus.	SETI, Panhala.	30/07/2016
5	Teaching Methodology for Third Year (BE) Automobile Engg Revised Syllabus.	SETI, Panhala.	14/08/2015
6	Teaching Methodology for Second Year (BE) Automobile Engg Revised Syllabus.	SETI, Panhala.	11/01/2014

- **Programs Organized:-**

Sl.	Name of Program	Institute	Date
1	Auto Expo 2k19	SSVSS, BSIET, KOLHAPUR	29 Nov 2019
2	E-vehicle Expo 2k20		11 Dec 2020
3	State level Project Expo 2k20		6 March 2020

- **Coordinator /In-charge /member in various committees:**

- 1) Lab In-charge of Advance I. C. Engine Testing Lab at SETI, Panhala. [Approx. cost 2.5 crores]
 - 2) Audit officer for End Semester Examination May 2025.
 - 3) Marshal for Degree Distribution ceremony for academic year 2024-2025.
 - 4) Departmental Class, Lab, workshop, MST, ESE Time Table In-charge.
 - 5) Coordinator of Student mentoring committee. [Institute –Level Parent-teacher coordination cell]
 - 6) Departmental Industrial Training, Final year project Coordinator. (For last 3 years in VJTI)
 - 7) Departmental coordinator of Institute-Industry Interaction committee. (MoU's)
 - 8) Departmental coordinator of Marketing and Publicity committee. (Admission)
- Coordinator of various training programs, workshops in association with Kolhapur District Two-Wheeler Mechanic Association (KD2MA)

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

1. Professional Membership :

- Lifetime Member of ISTE, SAE.
- Lifetime Member of KD2MA.