

DR. AJEET PANDURANG PATIL

Associate Dean - Innovation,
Incubation & Entrepreneurship

✉ patilajeet74@gmail.com

☎ (+91) 7588920388

📍 Sangli



<https://www.linkedin.com/in/dr-ajeet-patil-795633a0/>

EDUCATION

- Ph.D (Mechanical Engineering)
IIT Roorkee (2018-2021)
- Master of Engineering
Shivaji University (2006-2008)
- Bachelor of Engineering
Shivaji University (2001-2005)

(First Class with Distinction at UG & PG)

SKILLS

Technical Tools: MATLAB, AutoCAD, ANSYS

Vibration Analysis & Diagnostics

Root Cause Failure Analysis (RCFA)

Signal Processing

Outcome-Based Education (OBE)
implementation

National Ranking Framework
Familiarity

Accreditation Frameworks
(NBA/NAAC documentation)

AWARD/CERTIFICATION

Certified Vibration Analyst (**CAT II**) by

Vibration Institute USA

ACADEMIC ACHIEVEMENTS

- CGPA of **9.64** at Ph.D coursework at **IIT Roorkee**
- GATE AIR - **181**
- Eighth University Ranker at B.E.
- First ranker at institute level for B.E. and M.E.

EXPERIENCE

August 2024 till date-Walchand College of Engineering

Associate Dean (Innovation, Incubation & Entrepreneurship)
Drive experiential learning, support emerging startups, and build vital bridges between industry and academia.

- Form IIC and conduct activities
- 3 Startups Onboarded
- Establishment of Makers Lab
- Section 8 company formation and advisor/mentor onboarding

June 2010 till date - Walchand College of Engineering

Assistant Professor in Mechanical Engineering

- Curriculum development as per OBE
- Staff advisor for SAE-BAJA, Efficycle, MESA-MESC
- Exam Coordinator
- Alumni Meet Coordinator
- Admission incharge
- NBA/NAAC Coordinator for Department

July 2009 to June 2010 - Parshvanath College of Engineering

Lecturer in Mechanical Engineering

June 2008 to July 2009 - Geometric Software

Software Engineer - Upgraded Tekla Structures software with focus on optimizing Boolean operations (union, intersection, difference). Handled exception cases to improve model stability and processing accuracy.

RESEARCH & IP CONTRIBUTION

- Patent: 1
- Publications: 4 SCI (**3** in **Q1** Journals, **1** in **Q3** Journal) + 2 Scopus
- Research Metrics: | Citations: 94 | h-index: 5 | i10-index: 4

ACADEMIC CONTRIBUTION

- Submitted proposal and secured **₹1.4 Crore CSR funding from Siemens Energy Industrial Turbomachinery Pvt. Ltd.** for a Turbomachinery Center of Excellence (₹73 Lakhs received; remaining in pipeline).
- Students Supervised
 - Ph.D - 1 in progress
 - M.Tech - 14
 - B.Tech -54

INDUSTRY INTERACTION

- Delivered ₹1.3 Cr consultancy in vibration-based fault diagnosis & in-situ maintenance for ONGC, NTPC, Kirloskar Pumps, Ebara Pumps, sugar industries etc.
- conducted training workshops for Kirloskar Pumps on vibration fundamentals and standards.