

FACULTY PROFILE



Prof. Sagar S. Ajanalkar

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Designation: Assistant Professor

Educational Qualification: Ph.D. (Pursuing), M.E. (Mechanical Design Engineering)

Experience in Years: 7 yrs

Research Area: Robotics, Fault Diagnosis, Experimental Vibration Analysis

Professional Memberships:

Society	Membership No.
Life Member, The Indian Society for Technical Education (LMISTE)	LM 116263
Review Member of UGC Approved Journal of Emerging Technologies and Innovative Research (JETIR)	111530

Subject Taught:

- AME, EDG, EGG, SOM, CAD, FMM, IFP, MQC, MAC (Diploma)
- EM, SOM, TOM –II, MSD, MQC (Degree)

Professional Development

Workshop/ Seminar/ STTP/FDP Attended:

1. Attended a **workshop on Robotics** at VPCOE, Baramati.
2. Attended a **workshop on “Modal Analysis by using FFT analyzer”**.
3. Attended a **3-days workshop on “Teacher’s development program”**.
4. Completed **Industrial training at Laxmi Hydraulic Pumps, Solapur**
5. Attended a **3-days workshop on “Advances in analysis, measurement and control of Noise, Vibration and Harshness”**.
6. Attended a **two days national level workshop on "NAAC Rules and Regulations for Technical Institutes"** on 27-28th Feb, 2017 at PDEA's College of Engineering, Manjari, Pune.

7. Attended **“One Week Faculty Development Program by Industrial Expert”** from 5th to 9th June, 2017 at VIIT, Pune
8. Attended two days state level workshop on **“Research Opportunities in Condition Monitoring and Fault Diagnosis of Machine Tools”** on 8th & 9th Sept., 2017 at RSCOE, Tathawade
9. Completed a NPTEL Online Certification Course on **“Spur & Helical Gear Cutting”** in July-August 2017 organized by IIT, Kharagpur.
10. Completed a NPTEL Online Certification Course on **“Machinery Fault Diagnosis & Signal Processing”** in Jan-April 2018 organized by IIT, Kharagpur.
11. Attended **Two days FDP** on **“CNC Machines”** on 29th to 30th June, 2018 at SRTTC, Khamshet
12. Attended **one day training** on **MATLAB** in **MATLAB EXPO 2019** organized by **MathWorks** at Pune
13. Attended **two day workshop** on **“Introduction to Robotics”** organized by **e-Yantra** at **IIT, Bombay**.

Research Contribution

Conference / Journal / Patents / Book Publications:

1. Paper published in UGC approved International Journal JETIR entitled **“Review on Fault Identification and Diagnosis of Gear Pair by Experimental Vibration Analysis”** on May 2015, Volume 2, Issue 5
2. Paper presented in a national conference AMET 2016 organized by MITCOE, Pune entitled **“Gear Fault Identification by using Vibration Analysis”** and published in UGC approved International Journal IJCET (INPRESSCO) on March 2016 (special Issue 4).
3. Paper presented in a national conference AMET 2017 organized by MITCOE, Pune entitled **“Gear Fault Prediction by using Artificial Neural Network (ANN)–A Review”** and published in UGC approved International Journal IJCET (INPRESSCO) on March 2017 (special Issue 7).
4. Paper Published in UGC approved International Journal JETIR entitled **“A Review on Reverse Engineering of Plastic Injection Die”** on January 2018, Volume 5, Issue 1
5. Paper Published in UGC approved International Journal JETIR entitled **“A Review on Manufacturing of Experimental Setup for testing a Continuous Variable Transmission (CVT) System”** on March 2018, Volume 5, Issue 3.
6. Paper published in UGC approved journal IJTIMES entitled **“Design And Manufacturing of Plastic Injection Die Using Reverse Engineering”** on 05th May, 2018, Volume 4, Issue No. 5
7. Presented a paper in National Conference NCETME 2019 entitled **“Robot based Automated Storage and Retrieval System (ASRS)”** on 7th -8th Feb., 2019 at VIT, Pune