

Yogesh B Karandikar

ASSISTANT PROFESSOR



CONTACT DETAILS

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Research Interests	Courses Taught	Qualifications
<ol style="list-style-type: none">1. Fracture Mechanics2. Vehicle Dynamics3. Machine Tool Design4. Non-Linear Dynamics and Chaos	<ol style="list-style-type: none">1. Engineering Graphics2. Basic Mechanical Engineering3. Strength of Materials4. Theory of Machines5. Machine Design6. Industrial Fluid Power7. Automobile Engineering8. Machine Tool Design9. Mechanical System Design10. Industrial Engineering and Production Management11. Design of Material Handling Equipment (PG)12. Process Equipment Design (PG)	<ol style="list-style-type: none">1. BE (Mechanical Sandwich) COEP2. M. Tech. (Design Engineering) IIT Powai, Mumbai3. CSQA (Certified Software Quality Analyst) QAI Global Institute, New Delhi4. NPTEL Course on Spur and Helical Gear Cutting conducted by IIT Kharagpur (Elite + Topper Member)

PROJECTS

1. Analysis of Modified Steering Gear Mechanism to achieve condition of correct steering at all positions
2. Load Sensitive Braking
3. Design and Development of Oil Groove Cutting Machine
4. Design and Development of Portable Rail Drilling Machine
5. Flow Analysis of an Automotive Silencer using CFD and Experimental Validation to Reduce Back Pressure
6. Design and Manufacturing of Welding Fixture of Geysler Pipe Dome
7. Design and Development of Assembly and Fixture for Auto Component Machining

PUBLICATIONS

1. Analytical and FEA Investigation of natural mode shape frequencies of Air Compressor Crank Shaft - A Comparative Approach published in "Cooling India" Magazine, Vol 10, No. 1, Pages 74-77 (April 2014)
2. Book entitled "Applied Thermodynamics" (as per SPPU Syllabus for SE Mechanical) published by Technical Publications, Pune (April 2015)

COURSES / SEMINARS / WORKSHOPS ATTENDED

1. One Day Workshop on Syllabus Revision for SE Mechanical Course "Strength of Materials" (2012 Pattern) held at Sinhgad College of Engineering (SCOE), Vadgaon, Pune (July 2013)
2. One Day Workshop on Syllabus Revision for SE Mechanical Course "Manufacturing Processes - I" (2012 Pattern) held at All India Shri Shivaji Memorial Society's College of Engineering (AISSMS COE), Pune (July 2013)
3. One Day Workshop on Syllabus Revision for ME Mechanical Course "Advanced Stress Analysis" (2013 Pattern) held at Vishwakarma Institute of Information Technology (VIIT), Pune (August 2013)
4. One Day Workshop on Syllabus Revision of TE Mechanical Courses "Design of Machine Elements - I" and "Design of Machine Elements - II" (2012 Pattern) held at TSSM's BSCOER, Pune (April 2014)

5. Two Day Faculty Development Program (FDP) at AISSMS CoE, Pune (May 2014)
6. One Day Faculty Development Program on “Mentorship” at AISSMS CoE, Pune (June 2014)
7. One Day Faculty Development Program on “Quality Objectives” at AISSMS CoE, Pune (December 2014)
8. One Day Workshop on “NBA Criteria I, II and III” at AISSMS CoE, Pune (June 2015)
9. Two Day Workshop on “Zero Defects” at AISSMS CoE, Pune (March 2016)
10. Two Day FDP on Counselling by Holistic Healing India at AISSMS CoE, Pune (August 2016)
11. One Day Workshop on Syllabus Implementation for Subject "Seminar" (TE Mechanical 2015 Credit System Course) at PVPIT Bavdhan, Pune (November 2016)
12. One Day Workshop on "Lean Six Sigma" at AISSMS CoE, Pune (October 2017)
13. One Day Workshop on "Automation Studio Users Meet 2017" at MCCI, Pune (October 2017)
14. TE (2015 Course) DME Syllabus Implementation Meet on 04-Jan-2018 at DYPCOE, Akurdi, Pune (January 2018)
15. Syllabus Revision Workshop for Structure of BE Mechanical 2015 Course at Anantrao Pawar College of Engineering and Research, Parvati, Pune on 29-Jan-2018 (January 2018)

GUEST LECTURE DELIVERED / OTHER TASKS

1. Guest Lecture on "Electric Traction" to students of TE/BE Electrical at Bhivarabai Sawant College of Engineering, Pune (March 2016)
2. Pune Municipal Corporation Election Duty (Presiding Officer for Ward No. 37 Upper / Super Indira Nagar) at Pune (February 2017)
3. Internal Auditor for Physical Stock Verification at ITI Bori Bhadak (June 2018)