

Name Mr. SACHIN S. MESTRY
DME, B. E. Mechanical, M. E. Mechanical
(Design Engg.)

Designation Assistant Professor
Department Mechanical Engineering
Date of Joining the Institute 03/07/2002
Education Diploma in Mechanical Engg, 1997
B.E. Mechanical 2001
M. E. Mechanical (Design Engg.) 2012
Branch / Specialization Design Engineering
Areas of Interest Machine Design, Fatigue, Analysis and Synthesis of Mechanism
Email sachin.mestry@famt.ac.in



Academic Appointments

Name of the University / Institute / Industry	Duration	Designation
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Finolex Academy of Management and Technology, Ratnagiri	From 03/07/2002 to till date	Assistant Professor
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Total Experience – 15 Years

Students projects Guided at Masters Level

1. Analysis and Minimization of Springback in L bending using Reverse Bending Technique
2. Sound Attenuation for HVAC Ducts using porous absorbers of different sound absorption coefficient
3. Design Development of variable displacement linkage and application to radial piston pump
4. Design & Synthesis of Planar 4-Bar Mechanism for Five Coupler Positions Generation

5. Optimization of Natural Frequency of Beam by using Notches or Dimples
6. Design and Analysis of High Pressure Plunger Pump

Seminars/Lecture/Invited Talks Conducted

1. Conducted workshop on **“Programming in EXCEL using MACROS, VBA and GOOGLE DRIVE”** held at Finolex Academy of Management and Technology Ratnagiri organized by Department of Chemical Engineering
2. Delivered Expert Lecture **on “Automobile Transmission Systems” held on 20th Sept 2017** as a resource person at Government Polytechnic, Ratnagiri

Papers Published

Papers Presented/Published in National / International Journals - 08

International Journals – 08

1. S. S. Mestry, C. S. Pathak “Fatigue life assessment by Integration of Damage Differential (IDD) method” International Journal of Applied Engineering, Volume 2 (2012) Issue 2 (ISSN 2010 4391)
2. S S Gurav, S S Mestry, "Sound Attenuation for HVAC Ducts using porous absorbers of different sound absorption coefficient", International Journal of Engineering Design and Research (IJEDR), vol 2, issue 3, ISSN: 2321-9939
3. Prabodh B. Horambe, Kaushal Prasad, Sachin S. Mestry, “Experimental Parametric Study of Scarf Adhesive Joint under Static Tensile Load”, International Journal of Materials Science and Engineering, pp 69-79 Volume 4, Number 2, June 2016, ISSN:2315-4527
4. Rohit Ramesh Burte, Sachin S. Mestry, “ A Comparative Study and Validation of Kinematic Analysis of Planar Four Bar Mechanism Using MSC Adams”, International Journal of Engineering Development and Research, pp 786-794, Volume 4, Issue 3 ,2016, ISSN: 2321-9939
5. Rohit Burte , Sachin Mestry, “Four Bar Linkage Synthesis and Design for Generation of Five Coupler Positions”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 5, Issue 9, September 2016, ISSN(Online) : 2319-8753 ISSN (Print) : 2347-6710
6. Ravindra k. Ambekar, Prof. S S. Mestry, “Synthesis Of Variable Displacement Linkages and Application to Radial Piston Pump”, International Journal of Engineering Development and Research, pp-284-290 Volume 3, Issue 4 2015 ISSN: 2321-9939
7. Harshal R Salvi ; Sachin Mestry; Tushar Kavatkar , “Experimental Investigation for Minimization of Spring back in L bending using Taguchi Design of Experiments”, International Journal for Innovative Research in Science & Technology, pp 35-40Volume 2 Issue – 9 2016 ISSN (online) : 2349-6010
8. Sangam S.Rane,Sachin S. Mestry, V. MuraliMohan, “Optimization of Natural Frequency of Beam by Using Cylindrical Grooves”, International Journal of Latest Engineering Research

Book Published

1. Prabodh Horambe, Kaushal Prasad, Sachin Mestry (2017), "Experimental Analysis of Scarf Adhesive Joint under Tensile Load with design of experimentation technique and Taguchi's methodology, LAMBERT Academic Publishing

Number of Workshops, Seminars, STTPs, FDPs Attended – 07

STTPs and FDPs

1. Two weeks Staff Development Programme on 'Design for X' at Motilal Nehru National Institute of Technology, Allahabad 11th June 2007 to 22nd June 2007
2. Successfully completed 8 week NPTEL online certification course on" Introduction to Research" with Elite Grade (Score 87%)

Conferences and Seminars

3. Attended 2nd National Conference on **Recent Advances in Science and Technology (RAST)** organized by Finolex Academy of Management and Technology, Ratnagiri from 17th to 18th February 2016
4. Attended training program on Intellectual Property Rights organized by Maharashtra Centre for Entrepreneurship Development on 23rd August 2017

Two Week or One Week Workshops

5. Attended **One Week Workshop** on "**Funding Schemes Available for Research Proposals**" Organized by Research Development and Consultancy cell (RDCC) of Finolex Academy of Management and Technology, Ratnagiri from 13th February to 23rd April 2016

Workshops

6. Attended 2 Day **ISTE Workshop** for Teachers on "**Aakash for Education**" Conducted by IIT Bombay under the National Mission on Education through ICT from 10th to 11th November 2012
7. Attended one day workshop on "**Total Quality Management in Technical Education**" organized by ISTE local chapter FAMT, Ratnagiri on 24th January 2009

Professional Membership

1. Indian Society of Technical Education (I.S.T.E)

Other Experience

Judge Panel / Staff Selection Committee / Subject Expert

1. Worked as a **Judge** for Intra College event AAROHAN-2k15 organized by **Rajendra Mane College of Engineering & Technology, Ambav, Devrukh** on 18th February 2015.

Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1.	Engineering Mechanics	F. E. (Sem - I)	8 Years
2.	Theory of Machines - II	T. E. Mechanical (Sem - V)	6 Years
3.	Machine Design - I	T. E. Mechanical (Sem - VI)	6 Years
4.	Hydraulic Machinery	T. E. Mechanical (Sem - VI)	6 Years
5.	Mechanical Engineering Measurement	T. E. Mechanical (Sem - V)	4 Years
6.	Theory of Machines - I	S. E. Mechanical (Sem - IV)	3 Years
7.	Analysis and Synthesis of Mechanisms	M.E. Mechanical (Sem - I)	3 Years
8.	Reliability Engineering	M.E. Mechanical (Sem - I)	1 Year
9.	Engineering Drawing	F. E. (Sem - II)	1 Year