

Name Mr. Milind S Yadav
B.E. (Mechanical), M. Tech
(Mechanical)

Date of Birth 16/10/1978

Highest Qualification Master of Technology

Branch /
Specialization **Mechanical With Specialization in
Automobile Engineering**
Designation Associate Professor

Department Mechanical Engineering

Date of Joining the
Institute 01/07/2002



Academic Appointments

Name of the University / Institute	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	From 01/07/02 to 31/05/2008	Lecturer
Finolex Academy of Management and Technology, Ratnagiri	From 01/06/2008 to 31/08/2008	Senior Lecturer
Finolex Academy of Management and Technology, Ratnagiri	01/09/2008 to 31/05/2012	Assistant Professor
Finolex Academy of Management and Technology, Ratnagiri	From 01/06/2012 till date	Associate Professor

Total Experience – 14 Years

Papers Presented/Published in National/ International Conferences

1. Research paper titled “Improvement in the Operating Characteristics of Two Stroke Internal Combustion Engine using Variation in Compression Ratio”, published in the Proc. of the

International Conference on ‘Advances in Mechanical Engineering’, December 15-17,2008, S.V. National Institute of Technology, Surat – 395 007, Gujarat, India

2. Research paper titled “Improvement in the Operating Characteristics of Four Stroke Internal Combustion Engine using Variation in Compression Ratio”, published in the Proc. of the International Conference on Advances in Mechanical Engineering, August 3-5, 2009 S.V. National Institute of Technology, Surat – 395 007, Gujarat, India
3. Research paper titled ”All metal low resistance Oxy hydrogen gas generator and its integration with Variable compression ratio engine”, presented at International Conference on Advances in Mechanical Engineering (ICAME 2013), organized by University of Technology, MARA, MALEKA, KAULALAMPUR, MALAYSIA, 28-29 August 2013.
4. Research paper titled, “Investigation of Spring back design process parameters and effect of unloading Elastic Modulus in V bending of Aluminium HE9”, presented at 4th International Conference on Recent Trends in Engineering & Technology (ICRTET-2015) (July 2-4, 2015) Organized by SNJB's KBJ College of Engineering, Chandwad, Nashik, Maharashtra, India.

Papers Presented/Published in National/ International Journals

1. A book on “Novel Variable Compression Ratio Engine”, published by Lambert Academic Publishing house, Germany.
2. Research paper titled “Improvement in the Operating Characteristics of Internal Combustion Engine using Variation in Compression Ratio”, published in International Journal of Recent Trends in Engineering, Vol. 1, No. 5, Academy Publisher, May 2009
3. Research paper titled “Investigations on generation methods for oxy-hydrogen gas, its blending with conventional fuels and effect on the performance of internal combustion engine” published in Journal of Mechanical Engineering Research Vol. 3(9), pp. 325-332, 21 September, 2011, Available online at <http://www.academicjournals.org/jmer>, ISSN 2141 - 2383 ©2011 Academic Journals.
4. Research paper titled “Generation of producer gas by pyrolysis and its experimental application to IC engine” , published in International Journal of Applied Engineering (I J AE) 1 (2011) pages 85-90, Eureka Press
5. Research paper titled “Investigations On OXY-HYDROGEN Gas and PRODUCER GAS, as Alternative fuels, on the performance of twin cylinder diesel engine”, published in International Journal of Mechanical Engineering and Technology (IJMET), ISSN 0976 – 6340(Print) ISSN 0976 – 6359(Online) Volume 2 Issue 2, May – July (2011), pp. 85-98

6. Research paper titled, “Hydraulic Jump Formed Due To Normal and Oblique Impingement of Circular Liquid Jet on A Flat Horizontal Surface”, published in International Journal of Emerging Technology and Advanced Engineering (ISSN 2250-2459, Volume 2, Issue 5, May 2012)
7. Research paper titled ”All metal low resistance Oxy hydrogen gas generator and its integration with Variable compression ratio engine”, published by Journal of Applied Mechanics and Materials, Trans Tech Publication, Switzerland, *doi:10.4028/www.scientific.net/AMM.393.481*
8. Research paper titled, “Investigation of Spring back design process parameters and effect of unloading Elastic Modulus in V bending of Aluminium HE9”, published by International Journal of Modern Trends in Engineering and Research (IJMTER) ISSN – 2349-9745.
9. Paper titled “Influence of Phosphating parameters on Fatigue Strength of EN19 Materials ”, published in International Journal of Latest Trends in Engineering and Technology, Volume – 6, Issue – 3, ISSN - 2319-3778.
10. Paper titled “Investigation of Significant Process Parameters in Manganese Phosphating of Piston Pin Material by using ANOVA”, published in International Journal of Engineering Research and Applications, Volume – 5, Issue – 12, ISSN - 2248-9622.
11. Paper titled “Effect of shot peening parameters on micro hardness of EN 8 material – An analysis using Taguchi techniques”, published in International Journal on Mechanical Engineering and Robotics, Volume – IV, Issue – I, ISSN - 2321-5747, with 1.95 impact factor
12. Paper titled “Effect of shot peening parameters on almen intensity”, published in International Journal of Research in Applied Science and Engineering Technology, Volume – IV, Issue – II, ISSN - 2321-9653, with 5.969 impact factor
13. Paper titled “Investigation of Springback design process parameters and effect of unloading Elastic Modulus in V bending of Aluminium HE9”, published in International Journal of Modern Trends in Engineering and Research, Volume – II, Issue – VII, ISSN - 2349-9745, with 3.518 impact factor
14. Paper titled “Checking sustainability through finite element analysis of designed steam piping system using CAESER – II”, published in International Journal of Engineering Development and Research, Volume – IV, Issue – III, ISSN - 2321-9939
15. Paper titled “Study of an alternate manufacturing process of piston pin”, published in International Journal of Research in Engineering and Technology, Volume – IV, Issue – XI, ISSN - 2321-7308.

Number of Workshops, STTPs Attended

1. 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.

2. Attended 2 Day ISTE Workshop for Teachers on **“Aakash for Education”** Conducted by IIT Bombay under the National Mission on Education through ICT
3. Attended 2-week ISTE Workshop on **“Introduction to Research Methodologies”** Under the National Mission on Education through ICT (MHRD, Govt. of India) Organized by IIT Bombay
4. Attended one day workshop on **“Total Quality Management in Technical Education”** organized by ISTE local chapter FAMT, Ratnagiri.

Students projects Guided at Masters Level

1. Investigation of Spring back design process parameters and effect of unloading Elastic Modulus in V bending of Aluminium HE9
2. Investigate the effect of Phosphate Surface coating on the fatigue performance of piston pin material
3. Effect of shot peening parameters on fatigue life: An analysis using Taguchi Technique
4. Robust Design for the improvement of performance of the Scotch Yoke actuator by Taguchi Design of Experiments

Membership in Professional Bodies

1. Indian Society of Technical Education (I.S.T.E), India
2. Member of Society of Automotive Engineering (SAE), India

Seminars/Lecture/ Invited Talks Delivered As Resource Person

1. One day workshop and training on Basics of Automotive Fault Finding imparted to members of Fire and Safety Department of Finolex Industries Limited, Ratnagiri
2. Delivered a session on Research Projects and Grants in ISRO and DRDO in one week workshop on Funding schemes available for research proposal organized by Research, Development and Consultancy Cell of Finolex Academy.

Awards / Honours / Prizes

NIL

Research / Sponsored / Consultancy Projects

NIL

College Exam Duties - Type of Work

1. Worked as a **Senior Supervisor** of **Mumbai University Examinations**.
2. Carried out exam related duties such as **Paper Setter, Moderator, Examiner and External Examiner** for conducting practical and oral exam as pointed by Board of Examination, Mumbai University.

Other Experience