

Name	MR. MILIND S. YADAV B.E. Mechanical, M.Tech (Mechanical), Pursuing Ph.D.
Designation	Associate Professor
Department	Mechanical
Date of Joining the Institute	01/07/2002
Education	Diploma in Mechanical Engineering (DME), 1998 Bachelor of Engineering (B.E.) (Mechanical), 2002 Master of Technology (M.Tech.), 2008
Branch / Specialization	Mechanical with specialization in Automobile Engineering
Areas of Interest	Variable Compression Ratio (VCR) Engines, Alternative fuels and Emissions
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Academic Appointments

Name of the University / Institute/ Industry	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	From June 2012 to till date	Associate Professor
Finolex Academy of Management and Technology, Ratnagiri	From June 2008 to 2012	Assistant Professor
Finolex Academy of Management and Technology, Ratnagiri	From June 2001 to June 2008	Lecturer
Total Experience – 16 Years		

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
5. Design of steam piping system for the dryers in paper machine and checking its sustainability through finite element analysis

Seminars/Lecture/Invited Talks Conducted

1. Delivered a session in 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
2. Conducted One day workshop on "Basics of Automotive and fault finding" for members of Fire and Safety Department, Finolex Industries Limited, Ranpar, Ratnagiri on 04th, 5th, 22nd and 24th April 2014
3. Delivered expert lecture on the topic "Engine emissions and Control" for the final year students of Government Polytechnic, Ratnagiri on 20/09/2017
4. Invited as a session chair for the National Conference on "Challenging Technology and Rural Development (CTRD2K16)" on 16th and 17th December 2016.
5. Worked as a reviewer for the National Conference on "Challenging Technology and Rural Development (CTRD2K16)" on 16th and 17th December 2016.
6. Worked as a member of organizing committee for National Conference on Advances in Heat and Mass Transfer (AHMT-2009) at Finolex Academy of Management and Technology, Ratnagiri on 30-31 October 2009.
7. Worked as a member of organizing committee for National Conference on Recent Trends in Science and TechnoloAST-2016) at Finolex Academy of Management and Technology, Ratnagiri on 17-18 February 2016
8. Working as a reviewer for the British Journal of Mathematics and Computer Science

Papers Published

Papers Presented/Published in National / International Journals - 12

International Journals – 07

1. 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
2. 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.

3. 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
4. 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
5. 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)
6. 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*
7. 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.

Papers Presented/Published in National/ International Conferences - 05

International Conferences – 05

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.

5. Research paper titled, "Parametric study on Oxy hydrogen gas generation and associated energy consumption using Taguchi's design of experiment concept", presented at 2nd Biennial international Conference on Nascent Technologies in Engineering (ICNTE 2017) at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai (INDIA) on 27-28 January 2017.

Number of Workshops, Seminars, STTPs, FDPs Attended – 5

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 from 13th February to 23rd April 2016
2. 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 from 25th June to 4th July 2012
3. 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
4. Attended one day workshop on "**Total Quality Management in Technical Education**" organized by ISTE local chapter FAMT, Ratnagiri on 24th January 2009
5. Successfully completed 8 week NPTEL Online Certification course titled Introduction to Research with ELITE Grade.

Professional Membership

1. Indian Society of Technical Education (I.S.T.E)
2. Society of Automotive Engineers (S.A.E)