

Name

MR. UMESH DEVIDAS GULHANE
M. TECH. (Metallurgy)
B. E. (Mechanical)

Date of Birth

26/09/1975

Highest Qualification

Master of Technology

Branch /
Specialization
DesignationMechanical , Metallurgy
Associate Professor

Department

Mechanical Engineering

Date of Joining the
Institute

16/08/2001

**Work Experience**

Working with Finolex academy of management and technology as a Associate Professor from 16/08/2001 to till date (14 years experience)

**Number of Papers
Presented/Published
in National/
International
Conferences
Details**

4

- 1.** A. Zore, **U. D. Gulhane** “Modification of ASTM Standard (F-732) Reciprocating Pin on Flat Wear Testing Machine for Bio-Medical Prosthesis using Dynamic load ”, awarded First prize at national level paper presentation at “Zeal 2002”, COE Wardha.
- 2.** S. S. Malusare, **U. D. Gulhane**, S. S. Goilkar,” Review of Magneto rheological fluid and its applications”, International Research Conference on innovative strategies in commerce, management, engineering technology and social sciece, Goa, June 10-11, 2013
- 3.** **U. D. Gulhane**, M. Roy, S. G. Sapate, S. B. Mishra, P. K. Mishra, “Influence of surface treatment of high carbon steel on the reciprocating wear in comparison with the 316 stainless steel”, Proceeding of ASME/STLE International joint Tribology conference IJTC2009, October 19-21, 2009, Memphis, Tennessee USA, pp-55-57.
- 4.** K. P. Sohani, A. N. Shetty, **U. D. Gulhane**, “Total quality management systems and six sigma” proceedings of International Conference on Industrial Engineering at SVNIT, Surat, Gujarat, November 17-19, 2011.

**Number of Papers
Presented/Published
in National/
International
Journals**

13

Details

- 1. U. D. Gulhane**, P.P.Chavan, V.V.Pashte, B.M.Bhide, S.R.Patil, 2015 "Elemental Analysis Using Doe Approach on Flexural Strength of Castellated Beam" International Journal of Advanced and Innovative Research (ISSN:2278-7844) / Volume 4 Issue 4, pages 397-401
- 2. U. D. Gulhane**, A. B. Bapat, T. D. Kalambate, R. A. Kamble, H. H. Kher, 2015 "Analysis of Electric Arc Welding Process for the Improvement of Weld Strength and To Minimize Cracks in Weld of ASTM A106 Grade B: DOE Approach" International Journal of Advanced and Innovative Research (ISSN: 2278-7844) / Volume 4 Issue 4, pages 571-576
- 3. E. Manjarekar¹**, S. Kumbhar, **U D Gulhane**, 2015, "Study and Vibration Response Analysis of MR Cantilever Beam", International Journal of Engineering Development and Research (IJEDR), ISSN:2321-9939, Vol.3, Issue 1, pp.288-293, Jan 2015
- 4. S.R.Kambale**, **U.D.Gulhane**, 2015 " Relief holes for the mitigation of stress concentration factor of a thin rectangular plate under in-plane loading" International Journal of Advance Research and Innovative Ideas in Education (IJARIE) ISSN: 2395-4396, Vol. -1 Issue 3, Pages 166-174
- 5. A. B. Hatapakki**, **U D. Gulhane**. "Design Optimization of C Frame of Hydraulic Press Machine ", International Journal of Engineering Development and Research (IJEDR), ISSN:2321-9939, Vol.3, Issue 2, pp.1407-1419, May 2015, Available :<http://www.ijedr.org/papers/IJEDR1502230.pdf>
- 6. U. D. Gulhane**, P. P. Patkar, P. P. Toraskar, S. P. Patil And A. A. Patil, 2013. Analysis Of Abrasive Jet Machining Parameters On Mrr And Kerf Width Of Hard And Brittle Materials Like Ceramic.International Journal Of Design And Manufacturing Technology (Ijdm).Volume:4,Issue:1,Pages:51-58.
- 7. U. D. Gulhane**, S. P. Ayare, V.S.Chandorkar And M .M . Jadhav, 2013. Investigation Of Turning Process To Improve Productivity (Mrr) For Better Surface Finish Of Al-7075-T6 Using Doe.International Journal Of Design And Manufacturing Technology (Ijdm).Volume:4,Issue:1,Pages:59-67.
- 8. R. D. Belekar**, **U. D. Gulhane**, "Investigation of effect of straight sided and scalloped shim profile on performance of shim coupling by finite element analysis" International Journal of Advanced Technology in Engineering and Science www.ijates.com, Volume No.02, Issue No. 07, July 2014 ISSN (online): 2348 – 7550 pages 73-87
- 9. U. D. Gulhane**, M.P.Bhagwat, M.S.Chavan, S.A.Dhatkar And S.U.Mayekar, 2013. Investigating The Effect Of Machining Parameters On Surface Roughness Of 6061 Aluminium Alloy In End Milling.International Journal Of Mechanical Engineering & Technology (Ijmet).Volume:4,Issue:2,Pages:134-140.
- 10. S. S. Malusare**, **U. D. Gulhane**, S. S. Goilkar 2013 Review of Magneto rheological fluid and its applications. International Journal of Advances in Management , Technology and Engineering Science. Vol II, Issue 9 (III) pages 99-103
- 11. U. D. Gulhane**, C.A.Nalawade, K.P.Sohani , V.S.Shirodkar , 2012. Six Sigma Implementation Model For File Manufacturing Industry.International Journal Of Mechanical Engineering & Technology (Ijmet).Volume:3,Issue:2,Pages:59-66.
- 12. U. D. Gulhane**, A. B. Dixit, P. V. Bane, G. S. Salvi, 2012. Optimization Of Process Parameters For 316L Stainless Steel Using Taguchi Method And Anova.International Journal Of Mechanical Engineering & Technology (Ijmet).Volume:3,Issue:2,Pages:67-72.

13. **U. D. Gulhane**, S. B. Mishra, P. K. Mishra, 2012. Enhancement Of Surface Roughness Of 316l Stainless Steel And Ti-6al-4v Using Low Plasticity Burnishing: Doe Approach. International Journal Of Mechanical Engineering & Technology (Ijmet). Volume:3, Issue:1, Pages:150-160.

Number of Workshops, STTPs Attended

7

Details

1. The ISTE Sponsored two-week workshop on “Control Systems”, organized by the Indian Institute of Technology, Kharagpur at FAMT, Ratnagiri remote centre, during December 2-12, 2014.
2. The ISTE Sponsored two-day e-seminar on “Steps 2 Research”, organized by the Amal Jyothi College of Engineering, Kanjirappaly, during September 19-20, 2014.
3. The AICTE Sponsored two-week staff development programme on “Engineering Mechanics”, organized by the Indian Institute of Technology, Bombay at Finolex Academy of Management and Technology (FAMT), Ratnagiri – **415639**, Maharastra, India , during March.
4. The AICTE Sponsored two-week staff development programme on “Advanced Manufacturing Systems”, organized by the Department of Mechanical Engineering at Motilal Nehru National Institute of Technology (MNNIT), Allahabad, during March 12-23, 2007.
5. The AICTE Sponsored two-week staff development programme on “Nano-Technology: Opportunities and Challenges” organized by Department of Mechanical Engineering of Dr. Babasaheb Technological University, Lonere (Maharashtra), during December 19-31, 2005.
6. The Workshop entitled “ Effective Teaching Skills” conducted by Global Research Education And Training Foundation, held on 11th January 2004 at Pune
7. The Orientation Program on “Engineering Drawing” at Sardar Patel College of Engineering, Mumbai, India on 5th April 2002.

Students projects Guided at Masters Level

3

Details

1. Investigation of effect of straight sided and scalloped profile on performance of shim coupling by Finite Element Analysis
Name of Student : Mr. Rahul D. Belekar
2. Design Optimization of C Frame of Hydraulic Press Machine
Name of Student : Mr. Amit. Hatapaaki
3. Relief holes for the mitigation of stress concentration factor of a thin rectangular plate under in-plane loading
Name of Student : Mr. Sandip R. Kambale

Membership in Professional Bodies	1.
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Details

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

Seminars/Lecture/Invited Talks Delivered As Resource Person	1
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1. Delivered Lecture on “Recent trends in supply chain Management” Sahyadri Polytechnique, Sawarde

Awards / Honours / Prizes	1.
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Details

1. Received Open Merit Scholarship In SSC
2. Received Open Merit Scholarship In HSSC

Research / Sponsored / Consultancy Projects	NIL
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