

Name of Teaching Staff : Dr. Atul D. Dhale

Designation : Associate Professor

Department : Dept. of Production Engg.

Date of Joining the Institution : 10.04.2017



Qualifications with Class / Grade : (1) PhD (Mechanical Engg.) May 2016, Nagpur University
(2) M.E. (Mechanical Engg.-Design Engg), May 2006, Ist class, 66.09%, Walchand college of Engineering, Shivaji University, Kolhapur.
(3) B.E. (Mechanical Engg.), May 1995, Ist class, 66.54%, Govt. College of Engg. Amravati University, Amravati

Total Experience in Years : **Teaching: 21 years 08 Months**

1. Associate Professor in Production Engg., Dwarkadas J. Sanhavi College of Engg Vile Parle., from 10-04-2017 to till date
2. Associate Professor in Mechanical Engg., Shivajirao S. Jondhale College of Engg Dombivli., from 01-10-2011 to 09-04-2017
3. Assistant Professor in Mechanical. Engg., Shivajirao S. Jondhale College of Engg. Dombivli, from 01-07-2006 to 30-09-2011.
4. Lecturer in Mechanical Engineering, Shivajirao S. Jondhale College of Engg Dombivli.. from 02-09-1995 to 30-06-2006.

Papers Published in Journals : **International :-- 20**

1. Dhale A. D.& Modak J. P. "Design of Experimentation for Modelling of oil Seed Presser Using HPFM" **International Journal of Agricultural Engineering.** ISSN: 0976-7223, volume 3 Issue 2 October, 2010, pp. 348-354.
2. Dhale A. D.& Modak J. P. "Design and Development of oil seed presser by using Energy Source as Human

- Powered Flywheel Motor”, **International Journal of Agriculture and Food Science Technology**, ISSN: 2249-3069, volume 2 Number 1 Jan-June 2011, pp. 63-72.
3. Dhale A. D.& Modak J. P. “Formulation of the Experimental Data Based Model for Oil Press using Human Powered Flywheel Motor as an Energy source” **Agricultural Engineering International, CIGR Journal**, ISSN: 1682-1130, Vol.14, No.3, Sept. 2012 pp. 218-229
 4. Dhale A. D.& Modak J. P. “Formulation of Data Based ANN Model For Human Powered Oil Press” **International Journal of Mechanical Engineering and Technology (IJMET)**, Volume 4, Issue 3, May - June 2013, pp. 108-117.
 5. Dhale A. D. & Atique Shaikh, “AGV Path Planning and Obstacle Avoidance Using Dijkstra’s Algorithm” **International Journal of Application or Innovation in Engineering & Management (IJAEM)** ISSN 2319 – 4847 Vol. 2, Issue 6, June 2013 pp. 77-83
 6. Dhale A. D. & Atique Shaikh, “AGV routing using Dijkstra’s Algorithm- A review” **International Journal of Scientific & Engineering Research**, ISSN 2229-5518 Volume 4, Issue 7, July-2013 pp. 1665-1670.
 7. Dhale A. D & Fahim khan, “Application of Acoustic Emission Technique in Various Field” **International Journal of Engineering Research and Development e-ISSN: 2278-067X, p-ISSN: 2278-800X** Volume 7, Issue 10, July 2013, PP. 80-85.
 8. Dhale A. D & Fahim khan, “Acoustic Emission Method for Selection of Optimum Cutting Parameters in Turning using Different Fluids: A Review” **International Journal of Innovative Research and Development**. Vol. 2 Issue 7, July 2013
 9. Dhale A. D & Fahim khan, “Optimization by Taguchi method and In-process Monitoring of Cutting Parameters

- using Acoustic Emission for EN8” **International Journal of Application or Innovation in Engineering & Management (IJAIEEM)** Vol. 2 Issue 11, November 2013.
10. Dhale A. D & Fahim khan, “Optimization and In process Monitoring of Cutting Parameters using Acoustic Emission for Mild steel” **International Journal of Scientific and Engineering Research (IJSER) - (ISSN 2229-5518)** Vol. 2 Issue 4, July 2013
 11. Dhale A. D. & Kamath Swapnil, “Design, optimization and Analysis of Connecting Rod of Vehicle Engine Using CAE Tools”, **International Academy of Science, Engineering and Technology** ISSN (online) 2319-2259, Vol-3, Issue -4, July 2014. Impact factor (JCC)[: 3.276
 12. Dhale A. D. & Et al, “Design, Analysis and optimization of Piston and Determination of Thermal Stresses using CAE Tools”, **International Journal of Engineering Science & Research Technology**, ISSN: 2277-9655, May 2014, Impact Factor: 3.449.
 13. Dhale A. D. & Et al, “Design and Development of Intake Pulse Resonance Chamber for Four Stroke Engine”, **International Journal of Engineering Development and Research** ISSN: 2321-9939, Vol.-2, Issue-1, March 2014
 14. Dhale A. D. & Et al “CFD Analysis & Simulation of Pin Fin for Optimum Cooling of Mother Board”, **International Journal of Engineering Development and Research** ISSN: 2321-9939, Vol.-2, Issue-2, June 2014
 15. Dhale A. D. & Et al, “Structural and Thermal Analysis of Brake Disc”, **International Journal of Engineering Development and Research** ISSN: 2321-9939, Vol.-2, Issue-2, June 2014
 16. Dhale A. D. Shelar S.S. & Et al, “Design and Development of Semi –Automatic Dish Washer”, **International Journal of Engineering Research and General Science** ISSN: 2091-2730, Vol.-3, Issue-3, May-

June 2015

17. Dhale A. D. Patil N. B. & Et al, “Formulation and Experimental Data Based Model of Flour Mill by using energy source as an HPFM”, **International Research Journal of Sustainable Science and Engineering**, ISSN: 2347-6176, Vol.-3, Issue-4, April 2015
18. Dhale A. D. Wartha Nilesh & Et al, “Design and Development of Reciprocating Pump using Human Power”, **International Journal of Mechanical Engineering**, ISSN: 2321-6441, Vol.-3, Issue-5, May 2015
19. Dhale A. D. Ahuja Avinash & Et al. “Design and Development of Hovercraft”, **International Journal of Scientific Research in Science, Engineering and Technology**, Print ISSN : 2395-1990 | Online ISSN : 2394-4099, Vol. 2, Issue 2, March-April 2016, pp 709-712.
20. Dhale A. D. ; Davkhar Neha E.; Kadam Vaibhav B.; Nalawade Kiran A.; Shinde Prathmesh R,’ Design and Fabrication of Coconut Tree Climbing and Harvesting Robot; Review’, **International Journal for Innovative Research in Science & Technology, Volume 3 Issue – 9, Feb. 2017.**

Papers Published in conferences

: **National**:-- 04

1. Use of Vibration Monitoring and Analysis for Diagnosis of Fault of Rotating Machine – Some Case Studies, at National Conference on **Sun Rising Technologies** organized by **Parshwanath College of Engineering Thane**. Date 18-19 NOV. 2005
2. Design & Development of Dynamic Absorber for Rotating Machines, at National Conference **C.O.E. Pandharpur**. Date 23-24 DEC. 2005.

3. Improving Producability of new Product through Concurrent Engineering at National Conference N.I.T. Raurkela (Orissa). Date 15-16 Jan 2005
4. Formulation of experimental data based model for oil press using HPFM as energy source' XII IPRoMM National Workshop on Industrial Problems on Machines & Mechanisms "Challenges in Manufacturing" (IPRoMM-2016) at VNIT, Nagpur, Date- 22 & 23 Dec. 2016.

Research Grants : 1. Minor Research Grant by University of Mumbai for Project titled "**Improvement of Low End Torque and Fuel Efficiency of 4- Stroke Engine by using Intake Pulse Resonance Chamber**" in 2013-14
 2. Minor Research Grant by University of Mumbai for Project titled "**Design and Development of Coconut Tree Climbing and Harvesting Robot**" in 2016-17.

Professional Memberships : 1. Life member of I.I.I..E. (Indian Institute of Industrial Engineering)
 2. Life member of I.S.T.E. (Indian Society of Technical Education)
 3. Life Member of I.S.C.A.. (Indian Science Congress Association)

Reviewer : 1. Reviewer for European Journal of Advances in Engineering and Technology (EJAET)
 2. Reviewer for SciencePG "International Journal of Mechanical Engineering and Applications".

Guest Lecture / Technical Talk : Lectures on 'Mechanical Vibration' at Dr. Babasaheb Ambedkar Technology University, Lonere,

Workshop Organized : One Week ISTE Approved Short Term Training Program at Shivajirao S. Jondhale college of Engineering, Dombivli, on "**Research Methodology, Mathematical Modelling and Research Based Industry Institute Interaction Activities In Engineering & Technology**" during 19th- 23rd July 2011