

CURRICULUM VITAE

Dr. Atul Devidasrao Dhale

Professor

Production Engineering Department

D. J. Sanghavi College of Engineering

Vile parle, Mumbai-400056

E-mail: atuldhale32000@yahoo.com

Mobile: +91 9869821688

Permanent Address

1103-B wing, Ammber Enncllave, Near Laxmi
Park, Kanchangaon, Thakurli (E) Disst.- Thane
Maharashtra
India

Fields of Research Interest

Design Engineering- Design of Human Powered Machines
Mechanical Vibrations- Modal Analysis of components

Educational Degrees

PhD Department of Mechanical Engineering, Priyadarshani College of Engineering,
Rashtrasant Tukdoji Maharaj, Nagpur University, Nagpur. April 2016.

Thesis: Formulation of the Approximate Generalized Experimental Data Based Model for
Oil Press using Human Powered Flywheel Motor as an Energy source.

ME Department of Mechanical Engineering, Walchand College of Engineering
Sangli, Kolhapur University, 2006, 65.09%

BE Department of Mechanical Engineering, Government College of Engineering,
Amravati 66.54%

HSSC Adarsh College, Dhamangaon Rly, Distt.-Amravati 73.83%

SSC S. F. L. High school Dhamangaon Rly. Distt.-Amravati 79.57%

Present Position

*Professor in Department of Production Engineering, D. J. Sanghavi College of
Engineering, Vile parle, Mumbai, (02 July 2018 to till date)*

Professional Experience

*Associate Professor in Department of Mechanical Engineering, D. J. Sanghavi College
of Engineering, Vile parle, Mumbai, (10 April 2017 to 01 July 2018)*

Associate Professor & Head of Department, Mechanical Engineering, Shivajirao S. Jondhale College of Engineering, Dombivli (East) Distt.-Thane, Mumbai University. (01 Oct.2011-09 April 2017)

Assistant Professor Department of Mechanical Engineering, Shivajirao S. Jondhale College of Engineering, Dombivli (East) Distt.-Thane, Mumbai University. (July 2006-Sept.2011)

Lecturer, Department of Mechanical Engineering, Shivajirao S. Jondhale College of Engineering, Dombivli(East) Distt.-Thane, Mumbai University.(Sept. 1995-June.2006)

Experience in Research

Research in Priyadarshani College of Engineering, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur Worked as a Doctoral Research Fellow in the Department of Mechanical Engineering.

Research in Walchand College of Engineering Sangli: Worked as a Post-graduate Scholar in the Department of Mechanical Engineering.

List of Publications

International Journal Papers

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 (IJAIEM)** 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, 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 (IJAEM)** 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. & Etl, "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. & Etl, "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. & Etl, "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. & Etl, "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. & Etl, "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. & Etl, “ 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 Nilesch & Etl, “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 & Etl. “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.
21. Dhale A. D.; Ahire P. K.: Bhoir V. D.; Patil S. A.; Main M. R. “Development of Rice Planting Machine: Review Paper” **International Journal of Innovative Research and Creative Technology**, Volume 2 Issue 6, April-2017, eISSN: 2454-5988, pp 190-193.
22. Atul Dhale, Suraj Gondhali, ‘Static structural Analysis of Car Rim by Finite Element Method’, **Springer Nature Singapore Pvt. Ltd. 2019**, Proceedings of International Conference on Intelligent Manufacturing and Automation, Lecture Notes in Mechanical Engineering.
23. Atul Dhale, Pragati Shelake, “Experimental Analysis for the Vibration Reduction of Steering Wheel Assembly of Agricultural Tractor,” Mahatma Education Society’s Transactions and Journals’ Conference Proceedings on CTFC **2019** ISBN 978-93-82626-27-5.

List of Conference Papers

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, and Date- 22 & 23 Dec. 2016

Thesis Guided (M.E)

1. **AGV Path Planning and Obstacle avoidance Using Dijkstra’s Algorithm.**
2. **Acoustic Emission Method for Inprocess Monitoring and Optimization of Cutting Parameters by Taghuchi Method In Turning Using Different Fluids.**
3. **Experimental Analysis for the Vibration Reduction of Steering Wheel Assembly of Agricultural Tractor by using MATLAB.**

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.
- One week Faculty Development Program at SVKM’s Dwarkadas J. Sanghvi college of Engineering on **“Industry - Institute Interaction”**, during 28th Nov-2nd Dec 2018.
- One week AICTE-ISTE Approved Short Term Training Program at SVKM’s Dwarkadas J. Sanghvi college of Engineering on **“Challenges and opportunities in Manufacturing Processes in Indian Scenario”**, during 02nd -6th July 2019.

Workshop Attended

- Two week AICTE Sponsred **Technical Teachers Empowerment programme** at **V.N.I.T. Nagpur** during 5-17 July 2004.
- 43rd National Annual Convention on **“Empowering Technical Education to Address Sustainability and Global Competitiveness”** during 19th-21st December 2013.

Course Attended

- One week QIP Short Term Course on **INNOVATIVE TRIBO-DESIGN** at **IIT Mumbai during 15-19 November, 2004.**
- **ISTE-AICTE** Sponsored STTP on „**Application of CFD in Mechanical Engineering**“ during March 05-09, 2007 at NMIT, Bangalore.
- Three Day Short Term Course in „**Analysis and Design of Pressure Vessels**“ at **G. S. M. College of Engineering, Balewadi, Pune** during 15-17 June 2009.
- One Day orientation course at on Engg. Drawing at **S.P.C.E. Andheri, Mumbai**

Research Projects

- 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
- Minor Research Grant by University of Mumbai for Project titled “**Design and Development of Coconut Tree Climbing and Harvesting Robot**” in 2016-17.

Membership of Scientific / Engineering Bodies

1. Life Member of Indian Society for Technical Education.
2. Life Member of Indian Institution of Industrial Engineering.
3. Life Member of Indian Science Congress Association
4. Life Member of Indian Society of Manufacturing Engineering.

Personal

***Date of birth:* February 14, 1974**

***Place of birth:* Dhamangaon, Dist.-Amravati, Maharashtra, India**

***Spouse:* Sarika Dhale**

***Daughter:* Gargee and Rijul**