



- 1. Name** : **Dr. Manoj Janardan Pawar**
- 2. Date of birth** : 20.08.1982
- 3. Present position & Official Address** : Associate Professor,
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5. Academic Qualification

Degree	Institute/ University	Year of Passing	% Marks
Ph.D. Mechanical Engineering	Malaviya National Institute of Technology, Jaipur, Rajasthan	2017	NA
M.E. Mechanical-Production Engineering	Government College of Engineering Karad (Shivaji University, Kolhapur, Maharashtra)	2012	69.83
B.E. Automobile Engineering	Rajarambapu Institute of Technology, Sakhrale (Shivaji University, Kolhapur, Maharashtra)	2004	72.13
D.M.E.	Rajarambapu Institute of Technology, Sakhrale (M.S.B.T.E., Mumbai)	2001	67.16

6. Teaching Experience

Sr. No	Name of Organization	Department	Designation	From-to	Nature of duties
1	K J Somaiya College of Engineering, Vidyavihar, Mumbai	Mechanical Engineering	Associate Professor	01.01.2018 to till date	Teaching and research
1.	Kolhapur Institute of Technology's College of Engineering, Kolhapur	Production Engineering	Associate Professor	07.08.2016 to 31.12.2017	Teaching and Admin.
2.	Malaviya National Institute of Technology, Jaipur (Raj.)	Mechanical Engineering	Research Scholar	19.07.2013 to 20.07.2016	Research

3.	Annasaheb Dange College of Engineering and Technology, Ashta (Maharashtra)	Automobile Engineering	Assistant Professor	23.07.2012 to 15.07.2013	Teaching
4.	Adarsh Institute of Technology and Research Centre, Vita (Maharashtra)	Mechanical Engineering	Sr. Lecturer	02.12.2010 to 21.07.2012	Teaching, administration
5.	Rajendra Mane College of Engineering and Technology, Ambav (Maharashtra)	Automobile Engineering	Lecturer	18.01.2005 to 01.12.2010	Teaching

7. PhD Thesis

Title: Experimental Studies on Mechanical, Thermal and Erosive Wear Characteristics of Granite Powder Filled Fiber Reinforced Polymer Composites for Wind Turbine Blade

Supervisors: Dr. Amar Patnaik and Prof Ravindra Nagar

8. M.E. Dissertation

Title: Finite Element Analysis of Influence of Shape and Profile of Cutting Edge of Twist Drill on Drilling Process

Guide: Prof. V. S. Jadhav

9. Subjects Taught

1. Engineering Drawing (Sem-I: UG)
2. Applied Mechanics (Sem-II: UG)
3. Manufacturing Processes (Sem-III: UG)
4. Vehicle Systems (Sem-VI: UG)
5. Internal Combustion Engines (Sem-VI: UG)
6. Chassis and Body Engineering (Sem-VII: UG)
7. Engine Testing laboratory (Sem-VI: UG)
8. Design of Experiment and Research Methodology (PG)
9. Project Management (Sem-VIII: UG)

10. Publication

Papers published in International Journal

1. **M. J. Pawar**, A. Patnaik, S. K. Biswas, U. Pandel, I. K. Bhat, S. Chatterjee, A. K. Mukhopadhyay, R. Banerjee, B. P. Babu, Comparison of ballistic performances of Al₂O₃

and AlN ceramics. *International Journal of Impact Engineering* 2016: 98, 42-51.

2. **M. J. Pawar**, Amar Patnaik, Ravindra Nagar, Mechanical and Thermo-Mechanical Analysis Based Numerical Simulation of Granite Powder Filled Polymer Composites for Wind Turbine Blade. *Fibers and Polymers* 2016: 17, 1078-1089.
3. **M. J. Pawar**, Amar Patnaik, Ravindra Nagar, Numerical Simulation and Experimental Validation of Granite Powder Filled Jute Epoxy Composite for Slurry Jet Erosive Wear, *International Polymer Processing*, 2016: 31, 37-50.
4. **M. J. Pawar**, Amar Patnaik, Ravindra Nagar, Investigation on Mechanical and Thermo-Mechanical Properties of Granite Powder Filled Treated Jute Fiber Reinforced Epoxy Composite, *Polymer Composites* 2017: 38 (4), 736-748 (DOI 10.1002/pc.23633).
5. **M.J. Pawar**, Amar Patnaik, Ravindra Nagar, Experimental Investigation and Numerical Simulation of Granite Powder Filled Polymer Composites for Wind Turbine Blade: A Comparative Analysis, *Polymer Composites* 2017: 38 (7), 1335-1352 (DOI 10.1002/pc.23700).
6. **M. J. Pawar**, V. S. Jadhav, Finite Elemental Analysis of Influence of Shape and Profile of Cutting Edge of Twist Drill on Drilling Process, *International Journal of Engineering and Advanced Technology* 2012: 1, 57-61.

Papers published in International conference

1. **M. J. Pawar**, Amar Patnaik, Ravindra Nagar. Tribo-performance of granite powder filled glass-epoxy composites. An International Conference on Tribology, VJTI, Mumbai, India, 13th -15th December 2018.
2. **M. J. Pawar**, Amar Patnaik, Ravindra Nagar Investigation on Mechanical Properties of Granite Dust Filled Glass Epoxy Composite for Wind Turbine Blade. International Conference on Emerging and Futuristic Trends in Engineering & Technology at Maharaja Agrasen Institute of Technology, Solal, Baddi (HP), May 8-9, 2015
3. **M. J. Pawar**, Ravindra Nagar, Amar Patnaik. Parametric Optimizations for Wind Turbine Blade Applications: A Statistical Analysis. NIT-MTMI International Conference on Emerging Paradigms and Practices in Global Technology, Management & Business Issues. NIT Hamirpur, December 22-24, 2014.
4. D.R. Unune, **M. J. Pawar**, Ride Analysis of Quarter Vehicle Model, International Conference on Industrial Engineering, 2011 at S.V.N.I.T., Surat.

Papers presented at International/ National conference

1. **M. J. Pawar**, S. P. Waghmare, S. R. Mahajan, Waste Heat Recovery, National Conference on Advances in Heat and Mass Transfer, Finolex Academy of Management and Technology, Ratnagiri, Maharashtra, 30-31 Oct, 2009.
2. **M. J. Pawar**, R. D. Wategaonkar, Biowaste as source of Renewable Energy, National Conference on Environmental Engineering and Management, T.K.I.E.T., Warananagar, Dist: Kolhapur, Maharashtra, 15-16 Feb, 2008.
3. R. D. Wategaonkar, **M. J. Pawar**, MagnetoRheological Brake, International Conference on Advanced Material and Applications-2007, Shivaji University, Kolhapur, Maharashtra, 15-17 Nov, 2007
4. N. S. Dhole, **M. J. Pawar**, Lean Manufacturing- a case study, ISTE Convention at B.N.I.T., Pusad, Dist: Yavatmal, Maharashtra.

11. Patent filed

Sl. No.	Title of Patent	Inventors	Patent Application Number
1	Erosion wear resistant polymer composite laminate filled with granite powder waste	M. J. Pawar Dr. Amar Patnaik Prof. Ravindra Nagar	1322/DEL/2015

12. Research Project

“Gainful Utilization of Stone Waste”, funded by Centre for Development of Stones Jaipur (Rajasthan) for outlay amount Rs. 180000/-.

13. Extension of work to other institutes

1. Invited as resource person for summer internship program on “Computational and Experimental Analysis in Industrial Applications in Mechanical Engineering” organized by Mechanical Engineering Department at MNIT Jaipur on 24 June 2017.
2. Chaired the session at RIT PG Conference on 25th March 2017.
3. Delivered guest lecture on “Engineering Tribology” at SSPMCOE, Kankavli in their annual tech fest VIRTUOSIC 2017 on 23rd March 2017.

14. Workshop conducted

1. Five day workshop on “Methodology for Effective Teaching Learning Process” at Adarsh Institute of Technology and Research Centre, Vita (Maharashtra) from 4th – 8th July 2011.

2. ISTE approved two days workshop on “Institutional Development through Research” on 1st and 2nd April 2017 in KIT’s College of Engineering Kolhapur.
3. ISTE approved one day workshop on “Research Methodology” on 2nd April 2017 in KIT’s College of Engineering Kolhapur.

15. Workshop/ seminar/ STTP attended

1. Participated in “9th Summer School in Tribology” organized by Tribology Society of India at Indian Oil Institute of Petroleum Management from 19 – 23 June 2017.
2. Participate in national workshop on “Advanced Functional Materials” at MNIT, Jaipur on 5 Sept 2014.
3. Participated in special workshop on “Advanced Developments in Beam and Plate Theories and Structural Dynamics” at MNIT, Jaipur from 4 – 6 Jan 2014.
4. Participate in one week STC on “Nanotechnology and its applications” at MNIT Jaipur from 7 – 11 Oct 2013.
5. Participated in two days workshop on “Recent Trends in Composites” at Annasahed Dange College of Engineering and Technology, Ashta (Sangli) on 27th and 28th Sept 2016.
6. Participated in two days workshop on “Automotive Testing: Methodology and Instrumentation” at RIT Sakhrle (Sangli) on 15 and 16 Feb 2013.
7. Participated in two week STTP on “Engineering Thermodynamics” conducted by IITB at remote centre RIT, Sakhrle (Sangli) from 11 Dec-21 Dec 2012.
8. Participated in one week STTP on “Recent Trends in Precision Mechanical Measurement” at SCOE, Pune (organized under TEQUIP-II) from 26Nov-01 Dec, 2012.
9. Participated in one week STTP on “Recent Trends in Automotive Engineering” at Rajendra Mane Collage of Engineering and Technology, Ambav (Dist: Ratnagiri) during 27-31 Dec, 2011.
10. Participated in ISTE Approved one week STTP on “Finite Elemental Analysis and Their Applications in Science and Engineering” at Annasaheb Dange Collage of Engineering and Technology, Ashta (Dist: Sangali) during 20-24 Dec, 2010.
11. Participated in workshop WIPRO Mission 10X workshop conducted at Sou. Shushila Dhanchand Charitable Trust’s Group of Institutions, Atigre (Dist: Kolhapur) during 13-17 Dec, 2010.

12. Participated in Two day workshop on “Open Source Software Laboratory-UBANTU” at Rajendra Mane Collage of Engineering and Technology, Ambav (Dist: Ratnagiri) during 1 and 15 Feb, 2010.
13. Participated in AICTE sponsored one week STTP on “Knowledge Management: Issues and Challenges” at SVNIT, Surat during 04-08, Jan 2010.
14. Participated in ISTE approved one week STTP on “Nano Technology” at Shri Vitthal Education and Research Institute’s Collage of Engineering, Pandharpur (Dist: Solapur) during 15-19 Dec,2008.
15. Participated in AICTE and ISTE sponsored one week STTP on “Computer Aided Drafting” at Govt. Polytechnic, Amravati during 16-21 June, 2008.
16. Participated in ISTE sponsored one week STTP on “Robotics and its Applications” at Fr. Conceicao Rodrigues Collage of Engineering, Bandra, Mumbai during 26-30 May, 2008
17. Participated in one day workshop on “Quality and Research in Engineering Education” at Rajendra Mane Collage of Engineering and Technology, Ambav (Dist: Ratnagiri) on 07 April, 2008
18. Participated in Three Day Workshop on “Auto CAD-2008” at Gharda Institue of Technology, Lavel, Chiplun (Dist: Ratnagiri) during 17-19 Jan 2008.
19. Participated in five day QIP on “Micro/ Nano Tribology” at IIT, Mumbai during 01-05 Jan, 2007.
20. Participated in TEQIP sponsored two day workshop on “Automotive Emission and Control Technologies”, at Rajarambapu Institute of Technology, Sakharale (Dist: Sangli) during 29 and 30 June, 2006.
21. Participated in DTE sponsored Training program on “Developing Teaching Competencies” at NITTTR, Bhopal, Ext centre Pune during 09-20 May, 2005.

13. References

I. Prof. I. K. Bhat

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II. Dr. Amar Patnaik

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Date: 22nd March 2018

Place: Vidyavihar, Mumbai

Dr. Manoj Janardan Pawar