

	Name	Dr. PRADEEP VITTHAL JADHAV		
	Designation	Professor		
	Department	Mechanical Engineering		
	Qualification	M.E. Ph.D (Mechanical Engineering)		
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	Experience	Teaching :	15 Years	Industry :

Area of Interest	Advance Manufacturing Processes (Micromachining), CAD/CAM			
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Publications	International Journal (s):	22	National Journals (s) :	01
	International Conference (s):	16	National Conference:	03

Publication Details	<p>(A) <u>International Journal Publications (22)</u></p> <ol style="list-style-type: none"> 1. "Fabrication of Micro-Arrayed structure using Revers EDM: a Multi-objective Optimization", Published by Elsevier, Proedia Manufacturing 20 (2018) pp 160-167.(www.sciencedirect.com) 2. "Statical tool-ANOVA" ICTSA (Springer International Publishing, DOI: 10.1007/978-3-319-53556-2_57) 17 June EDM: a Multi-objectiveOptimization", Published by Elsevier, Proedia Manufacturing 20 (2018) pp 160-167.(www.sciencedirect.com) 3. "Review Paper on ECM, PECM and Ultrasonic assisted Pulse electrochemical machining (USAPECM)" Published by Elsevier, Materials today: Proceedings 5(2018)pp638-6390.(www.sciencedirect.com) 4. "Tio2 Nanofibre and its potential application: Review" International journal of innovative technology and Research (IJITR) Vol.No4, issue No. 2, July 2017. 5. "A Review: Computer aided analysis for weight optimization of leaf spring using intermediate layers of GFRP and GFRP" International journal of innovative technology and Research (IJITR) Vol.No4, issue No. 1, July 2017. 6. "Development of prototype of light passenger Quarter Car for Improved Vehicle ride Characteristics" ICTSA (Springer International Publishing,DOI: 10.1007/978-3-319-53556-2_87) pp 855-867, 17 June 2017 7. "Synthesis of TiO2 Nanofibres for Solar Cells and Their analysis using 2017, pp 561-567. 8. "Experimentation Investigation on Taper Angle of Micro-Electro discharge Machining based on taguchi Method" IEEE Publisher (978-1-5090-2794-1/17/\$31.00 ©2017 IEEE) 8. Design and development of electrode for ultrasonic assisted pulse electrochemical machining" IJRITCC, June 2017,pp 120-125. 9. "Short Review: Different type of Ionic Liquids for CO2 absorption" International journal for Scientific research & development (IJSRD) .No4, issue No.4, June, 2016, pp870-874. 			
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10. *A Brief review on different synthesis Methods of CZTS Nanoparticles. International journal for scientific research & development (IJSRD) .No4, issue No.4, June, 2016, pp1102-1103.*
11. *“Thermo Mechanical analysis of cylinder liner” International journal of Engineering and General Science (IJERGS) Vol.No4, issue No.3, May-June, 2016, 29630.*
12. *“Addressing Trade-Off in The Expendables Encountered During Evolution of the Performance Metrics of Electro-Discharge Machining. International journal of Informative & Futuristic Research (IJIFR) Vol.No3, issue No.8, April 2016, pp3019-3029.*
13. *“Failure Investigation and Thermo-Mechanical Analysis of Cylinder Liner” International journal of Scientific Research in Science, Engineering and Technology (IJSRSET) Vol.No2, issue No.2, March-April 2016, pp2395-4099.*
14. *“Biomass Briquette System: Pollution free Thermal energy Resources” International journal of innovative Research in Science, Engineering and Technology (IJIRSET) Vol.No5, issue No.1, January 2016, pp 1165-1171.*
15. *Development of Basin solar Still” International journal of innovative technology and Research (IJITR) Vol.No3,issue No. 5, August –September 2015, pp2432-2435*
16. *“Experimental Investigation of Ultrasonic Assisted Pulse Electrochemical Drilling for INCONEL 718 with Rotary Tool” **International Journal of Manufacturing Technology and Management (IJMTM) Inderscience publishers**, Vol. 28,no.1/2/3, 2014 , pp.4-18*
17. *“Experimental Investigation on MRR of Pulse Electrochemical machining (PECM) based on Taguchi Method, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, Issue 1, 2014, pp.8800-8809.*
18. *“CFD Analysis of Electrolyte flow Pattern in Pulse ECM and to Optimize Process Parameters for Circular Tool” International Journal of Engineering Research and General Science (IJERGS), pp. 266--275, June 2014 impact factor 3.843, ISSN. 2091-2730.*
19. *“CFD Analysis of Electrolyte flow Pattern in Pulse Electrochemical machining” International Journal of Engineering Innovations and Research (IJEIR),pp. 358-364, June 2014 , vol 3,issue3, impact factor 3.12, ISSN. 2277-5668.*
20. *“An Experimental Investigation in to the Spike Profile Obtained During Pulse Electrochemical Drilling of Blind Holes” International Journal of Engineering Science and Technology (IJEST), pp. 1682-1692, Feb. 2011, Engg. And Technology Publication, ISSN. 0975-5462.*
21. *“Enhancement of Surface Finish of Pulse Electrochemically Machined (PECM) Surface Using Rotating Electrode.” International Journal on Engineering and Technology, pp. 49-54. December 2010, Goplax Publication Singapore*
22. *“Analysis and Determining the Ranking of ECM Parameters for Surface*

Roughness by ANOVA and AHP Method". International Journal of Advanced Engineering Applications. Vol-1, Issue-5, pp-32-38, 2008.

(B) National Journal Publications (01)

1. "Effect of Parameters on Surface Roughness of Electrochemically Drilled Deep Hole Using Rotating Electrode and a Moving Electrode" *Journal of Multidisciplinary Engg. Technology, Bharati Vidyapeeth College Of Engineering, New Delhi.pp.1-10, Jan 2008.*

(C) International Conference Publications (16)

1. "An experimental and numerical investigation of static vibration response of multicracked rotor shaft" *1st International Conference on Mechanical, Materials, and renewable energy, (ICMMRE 2017) December 8-10, 2017 at Department of Mechanical Engineering, Sikkim manipal Institute of technology, Majitar, SIKKIM.*
2. "An experimental investigation on dynamic vibration response of multi-cracked rotor shaft" *ICOVP, 13th International Conference on Vibration Problems 29th November – 2nd December, 2017, Indian Institute of Technology Guwahati, INDIA*
3. "Vibration Response of Double Row Ball Bearing on Local Defects using Multivariable Regression Analysis", *1st International Conference on Materials, Manufacturing and Design Engineering (iCMMD 2016) December 20-21, 2016 at Department of Mechanical Engineering Dr. Babasaheb Ambedkar Technological University 'Vidyavihar', Lonere, M.S. India. 402103.*
4. *Development of prototype of light passenger Quarte Car for Improved Vehicle rideCharacteristics" International Conference on "Advanced Technologies for Societal applications-Techno-societal 2016.20 Dec 16.*
5. "Analysis of Surface Roughness in Pulse Electrochemical Machining by Using Response Surface Methodology" *6th International and 27th All India Manufacturing Technology, Design and Research Conference AIMTDR 2016. Dec 16th-18th, 2016*
6. *An Experimental Investigation in Micro-EDM of INCONEL 718 Alloy Using Taguchi Method" 6th International and 27th All India Manufacturing Technology, Design and Research Conference AIMTDR 2016. Dec 16th-18th, 2016.*
7. "Micro and Nano Machining by Electrochemical Processes: Review" *3rd International Conference NANOCON 014 Smart Materials, Composites, Applications and New Inventions at Bharati Vidyapeeth University Pune. (India), 14th, 15th October, 2014.*
8. "Experimental Investigation of Ultrasonic Assisted Pulse Electrochemical Drilling for INCONEL 718 with Rotary Tool" *4th International and 25th AIMTDR Conference 2012 at Production Engineering Department College of Engineering, Jadhvpur University on 14th – 16th December 2012. Pp. 542-546.*
9. "Design of Ultrasonically Assisted PECM tool Using Finite Element Analysis" *International Conference on PRECISION, MESO, MICRO and NANO FINISHING", on*

	<p><i>December 10-11 ,2011,at (COEP) Production Engineering Department College of Engineering, Pune. Pp 433 to 437.</i></p> <p>10. <i>“An Investigation into Enhancement of Surface Finish of Pulse Electrochemical Machining”</i>. Conference of Industrial and Production Engineering, National Institute of Technology, Jalandhar 3-5th Dec 2010.</p> <p>11. <i>“An Investigation into Enhancement of Surface Finish of Pulse Electrochemical Machined Surface Using Rotating Electrode”</i>. 1st Int. Conf on DRILLING TECHNOLOGY, Department of Ocean Engineering, Indian Institute of Technology Madras, 19th Nov 2010.</p> <p>12. <i>“Effect of Surface Roughness on Fatigue Life of Machined Component of INCONEL 718” Intl. Conf. on NANO Technology materials & composites for frontier applications proceedings, BVDU Pune, 14-15th Oct 2010.</i></p> <p>13. <i>“Effect of Surface Roughness in Pulse Electrochemical Machined (PECM) Component of INCONEL 718. Intl. Conf. on NANO Technology materials & composites for frontier applications proceedings, BVDU Pune, 14-15th Oct 2010.</i></p> <p>14. <i>“Process Planning Support System for Green Manufacturing & its Application”</i>. Indo-Italian International conf. on green & clean environment, MAEER’s MIT COE.Pune, 20-21st March 2008.</p> <p>15. <i>“Improvement of Electrochemical Machining (ECM) Accuracy by Using Rotating Electrode Movement” Int. Conf. on Exhibition on Total Engineering Analysis and Mfg. Technologies,. IISC Bangalore. Pp. 86, 2007.</i></p> <p>16. <i>“Surface Finish Improvement of Electrochemically (EC) Drilled Deep Hole Using Rotating Electrode over Stationary Electrode” International conference on Advances in machine design & industry automation - Govt. COEP, Pune, Jan 10 - 12, 2007.</i></p> <p>[D] National Conference Publications: (03)</p> <p>1. <i>“Investigation of Electrochemically (EC) Drilled Holes: a Parametric Study for Surface Finish” National Conference on enriches the work life-a quality Engg. Perspective, DYPCO Engg. Akurdi Pune. , 4-6th October 2007.</i></p> <p>2. <i>“Surface Finish Improvement of Electrochemically (EC) Drilled Hole” National Conf. on Advances in materials & Mfg. Tech, Punjab Engineering College, Deemed University Chandigarh, pp337-341, 21-22,September 2007.</i></p> <p>3. <i>“Enhancement of Surface Finish of Electrochemically (EC) Drilled Deep Hole Using Rotating Electrode” Indian Institute of Industrial Engineering (Bangalore), 48th National Convention 29-30 Sept 2006.</i></p>
Books Published	---
Professional Memberships	Member of Board of Studies in Mechanical and Production Engineering Editor in Asian Journal of Multidisciplinary Studies.
Workshop/ Seminar/Conference attended	<u>STTP’S/FDP/ WORKSHOPS / SEMINARS ATTENDED:</u>

Sr. No.	Name of course	Place	Duration
1	Metal 3D Printing	Lemeridian Hotel Pune	15 May 2017
2	One week STTP on "NANO, Micro and Bulk material processing and Technology"	Gokaraju rangaraju Institute of Engg. And technology (GRIET) Hyderbad. Telangana	20 -26 March 2017
3	FDP On "Pedagogy to synergogy: An innovative approach for progressive education"	Bharati Vidyapeeth University C .O.E Pune-43	16 th – 19 th March, 2017
4	Seminar on Springer Nature	B.V.U.C.O.E Pune-43	7 th March, 2017
5	STTP on "Advanced in Manufacturing Processes" approved by ISTE, New Delhi.	AGTI'S Dr. Daulatrao Aher College of Engg. karad	5 th -9 th Dec 2016.
6	Automation studio, Pro-simulator, Delcam (CAD-CAM Simulation), CNC Simulator.	B.V.U.C.O.E Pune-43	29 th June-3 rd
			July 2016.
7	"PLC, SCADA and HMI"	B.V.U.C.O.E Pune-43	18 th - 23 rd Jan, 2016
8	Two day faculty programme on CAD-CAM automation Using Delcam, open CIM/FMS and Witness, Power plant simulation, pneumatics & Mechatronics,	P.V.G college of Engg and technology Pune.	18 th -19 th Sept. 2015
9	Workshop on "Secrets of Guru"	B.V.U.C.O.E Pune-43	7-8 th August, 2015.

10	AICTE sponsored 2 weeks programme on FDP “Advances in Micro-manufacturing”	Govt. College of Engineering Pune.	1-12 June, 2015.
11	TEQIP Workshop on MEMS & NEMS (Design and Fabrication)	I.I.T, Hyderabad.	15-19 Dec, 2014.
12	TEQIP-II Sponsored Workshop on “Understanding the mind conditioning ourselves through EFT”	B.V.U.COE Pune-43	19 th July 2014.
13	TEQIP-II Sponsored Workshop on “Advance Cloud Computing”	B.V.U.COE Pune-43	2 nd - 4 th Jan 2014.
14	Faculty Development Programme on “Quality Improvement Schemes of Various Funding Agencies”	B.V.U.M.C Pune-43	19 th October 2013.
15	TEQIP-II and TUV SUD South Asia Pvt. Ltd. Sponsored Workshop on “Fundamentals of Cloud Computing”	B.V.U.COE. Pune-43	1 st to 2 nd Aug. 2013.
16	AICTE sponsored short term course on “Emerging Technology in Micro and Nano Manufacturing”	Defense Institute of Advanced Technology, Pune.	12-14 June 2012.
17	National Workshop on Manpower development in Petroleum Engineering (NWMDPE 2010)	I.I.T. MADRAS	18- 21 Nov. 2010
18	One day seminar on Mathematical Methods for Research in engineering sponsored by ISTE.	AISSMS- IOTT. Pune.	26 th April 2010

	19	AICTE sponsored short term course on “Micromachining”	I.I.T. Bombay	8 – 13 th June, 2009.
	20	MHRD sponsored Short Term Training Programme (STTP) on Digital Factory,	N.I.T. Warangal	25Aug-6 th Sept 2008.
	21	AICTE, DST & BARC sponsored short term course on Micromachining	I.I.T. Bombay	2 nd - 7 th June, 2008
	22	AICTE sponsored short term course on “Micromachining Manufacturing”	I.I.T. Guwahati,	24 th -28 th Feb, 2008.
	23	Introduction to MATLAB	B.V.U.C O.E Pune-43	27-29 Dec 2007
	24	Participated in a Workshop on “Micromachining and Micro fabrication”	J.N.Tata Auditorium, I.I. Sc, Bangalore.	4-6 th October 2007.
	25	AICTE & BARC sponsored short term course	I.I.T. Kanpur	18th -23 rd

Achievements	Sr. No.	Title of the Project	Year of Completion	Name of the Funding Agency	Amount Sanctioned
	1)	Enhancement of Surface Finish of Electrochemically (EC) Drilled Deep Hole	2011	Gov. of India. DST. New Delhi	Rs.21,54,000
	2)	Analysis of Pulse Electrochemical Machining	2012	Institution of Engineers (IEI) INDIA.	Rs.60,000

	3)	Theoretical and Experimental Investigation of Rotor Bearing System for Fault Diagnosis using Vibration Analysis	2016	TEQUIP-II	Rs.3,00,000
	4)	AICTE-Adjunct Faculty	2017-2018	AICTE	Rs.6,00,000
	5)	Advanced Manufacturing: Ultrasonic assisted pulse electrochemical machine (Pipe line)	2017-18	UGC-UKIERI	Rs.41,00,000

Extra Activities	Resource Person to Seminars/Conference/FDP/STTP/QIP:				
	<ol style="list-style-type: none"> 1. Chair Session – National Conference on “Technological developments in Civil & Mechanical Engineering-NCTDCME-2018. At S.B.Patil C.O.Engg Indapur.15 March 2018 2. Guest of Honor: National Conference On: Recent trends and Innovations of engineering and management” at Yashoda Technical campus, faculty of Engineering Satara at 10th March 2018. 3. Resource person- One week Short Term Training Program on “Recent Trends in Interdisciplinary Research in Material Sciences” Annasaheb Dange College of Engineering and Technology, Ashta, Sangli, Maharashtra,26th Dec 2017. 4. Resource Person- AICTE sponsored faculty development programme on “Scope of Metallurgical process and Material Testing of Advanced Materials” at PVPIT College of Engg, Budhgaon, 23rd Dec., 2017. 5. Expert talk on “Advances in manufacturing”SKN Sinhgad College of Engineering Korti, Pandharpur, 5 sept 2017. 6. Expert Lecture on “Metal Forming Recent techniques” G.H.Raisoni College of Engineering and Management, Ahamadnagar, 2/8/2017. 7. Key note Speaker – National Conference on “Design Manufacturing, Energy And Thermal Engineering” NCDMETE17. Organized by Dr. Ashok Gujar technical institute’s Dr.Daulatrao Aher College of engineering, Karad. 8. Key note address – International Conference on “Advanced Technologies for Societal applications-Techno-societal 2016. At SVERI COEP 20 Dec 16. 9. Chair Session – International Conference on “Advanced Technologies for Societal applications-Techno-societal 2016. At SVERI COEP. 20 Dec 16 10. Chair Session – International Conference on “Material, manufacturing and design Engineering-ICMMD 2016. BATU Lonere, 21st Dec 16 				

	<ol style="list-style-type: none"> 11. Chair Session – 6th International and 27th All India Manufacturing Technology, Design and Research Conference AIMTDR 2016. Dec 16th-18th, 2016. COE Pune. 12. Resource Person-ISTE approved one week STTP on “Advances in Manufacturing Processes” at Dr. Daulatrao Aher college of Engineering, Karad, 8th December, 2016. 13. AICTE Sponsored Two Week FDP on “Advances in Micro- manufacturing” at Gov College of Engineering Pune, 11th June 2015. 14. “3rd Theme Meeting on Micro-Nano Technology in Service of Rural India” jointly organized by Bhaba Atomic research centre, Mumbai & SVERI’s college of Engineering, Pandharpur. April 25-26, 2014. 15. Advisory Committee member of Indian Society for Technical Education approved short term training program on Advances in Manufacturing Processes” at Dr. Daulatrao Aher college of Engineering, Karad, 8th December, 2016.
Awards/ Distinctions:	<ol style="list-style-type: none"> 1. Best paper award “2nd Biennial International Conference on Nascent Technology in Engineering (ICNTE-2017)” at Fr. C Rodrigues Institute of Technology Vashi, Navi Mumbai. 27-28 Jan 2017. 2. Got “Award of Excellence” national Conference on Design, Manufacturing, energy & Thermal Engineering (NCDMETE-17) at Dr. Daulatrao Aher college of Engineering, Karad, 7th January, 2017. 3. Got “Award of Excellence” ISTE approved one week STTP on “Advances in Manufacturing Processes” at Dr. Daulatrao Aher college of Engineering, Karad, 8th December, 2016. 4. Award of the Grant- in-aid (R&D) (Rs.60, 000) Received from IEI, August 2011. 5. Won Second prize for paper presentation at 48th National Conference (IIIE), Bangalore, 2006. <p>Administrative Experience: Academic role, Responsibilities and Other Activities</p> <ol style="list-style-type: none"> 1. Seed Money-Research Project evolution for Solapur university, 2017-18 2. Coordinator for NAAC Accreditation 2016-17. 3. Worked as member of Flying squad to visit the University Examination. 4. Prepared Annual Report of Bhartai Vidyapeeth University: 2007-08, 09, 10. 5. In house development of Laboratory: “Advanced Manufacturing processes” (Micromachining) 6. University Examination- CET- 2010, 2011 at DELHI and HYDRABAD Centre Member of Bharati Vidyapeeth University department of student’s welfare. 7. External examiners for Solapur, Pune, BATU, Mumbai, and Shivaji University.