

	Name	Dr. Pradeep Vitthal Jadhav			
	Designation	Professor			
	Department	Mechanical Engineering			
	Qualification	M.E. Ph.D (Mechanical Engineering)			
	Contact No.	9665696022		Ph. Extension	343
	Email ID	pvjadhav@bvucoep.edu.in , pvjadhav_19@rediffmail.com			
	Experience	Teaching:	17.9 Years	Industry/Research:	01 07

Title of PhD Thesis/ M. Tech. Dissertation:	<ul style="list-style-type: none">• An Investigation Into Enhancement of Surface finish of Electrochemically Machined Surface. (USA-PECM)• A Study of Parametric Investigation of Pulse Electrochemical Machining				
Research Area	Advance Manufacturing Processes (Micromachining), CAD/CAM, Ultrasonic Vibrations.				
Research Publications	International Journals:	31	National Journals:		01
	Proceedings: (Springer International Publishing: SCOPUS)	06			
	International Conferences:	19	National Conferences:		04
Research Metrics	Google Scholar Citations: 47 H Index:4 & I 10 Index: 1		SCOPUS Citations: 15 H Index: 2		Web of Science citations: 12 H Index: 3
Publication Details	<u>International Journals</u>				
	<ol style="list-style-type: none">1. Atish Mane,P.V.Jadhav, D.S.Bilgi“Enhancement of surface finish of shape memory alloy using electrical discharge machine”Annals of R.S.B.C. ISSN: 1583-6258, Issue 5,,2021,pp5224-5232.2. Swanand Pachore. Pradeep Jadhav, Ratnakar Ghorpade “Analyzing relation of canal operating force and canal curvature in RCT: A mathematical overview” Published by Elsevier, Materials today: Proceedings 2021 (Scopus)3. D.B.Jadhav.P.V.Jadhav and D.S.Bilgi “Anodic dissolution of gamma titanium aluminide Ge 48-2-2, TNM b1 and TNB V5 materials using Electrochemical machining electrolytes for aviation application” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)Trans Stellar Pub, ISSN (P): 2249–6890; ISSN(E): 2249–8001,Vol 10,issue 3,June 2020 ,pp11001-110104. V.R.Patil Pradeep Jadhav “Dynamic response analysis of unbalanced rotor bearing system with internal radial clearance “A Springer Nature Journal (Switzerland AG 2020), SN Applied Sciences,15th Oct 2020 2:1826 https://doi.org/10.1007/s42452-020-03608-y5. Sachin Khomane,Pradeep Jadhav, et al “Experimental Investigation Of Mechanical Properties Of The Natural Hybrid Composite Using Epoxy, Banana & Coir Fiber” NOVYI MIR Research Journal, Volume 5, Issue 6, ISSN No: 0130-7673(Web of science) 2020,pp46-51,6. Swanand Pachore.Pradeep Jadhav,Ratnakar Ghorpade “Challenges in the development of a new abjuration device: A questionnaire survey” International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X ,Impact factor: 6.078 , (Volume 6, Issue 4),2020, pp294-301.				

7. Manoranjan Singh,P.V.Jadhav, Sandeep Anasane,"**Experimental Investigation on Analysis of Taper Angle of Micro-Holes Machined on Inconel 718 by Electrochemical Micromachining**, International Journal of Advanced Science and Technology Vol. 29, No. 3s, July 2020, pp. 2086 – 2097,
8. Akash Shah, Pradeep Jadhav "**Cornering Fatigue Test and Radial Fatigue Test on a Rim with steps for a Mono-tyre E-Vehicle using Finite Element Analysis**", International Journal of Advanced Science and Technology Vol. 29, No. 3s, (2020), July 2020 pp. 2078 – 2085.
9. Bhushan Nikam, P.Bramhankar, Pradeep Jadhav et al, "**Fabrication of Micro-Arrayed structure using Reverse EDM: a Multi-objective Optimization**", Published by Elsevier, *Procedia Manufacturing* 20(2018), (Scopus) (www.sciencedirect.com), pp 160-167.
10. Praveen Kr, Pradeep Jadhav et al, "**Review Paper on ECM, PECM and Ultrasonic assisted Pulse electrochemical machining (USA-PECM)**" Published by Elsevier, *Materials today: Proceedings* 5(2018) (Scopus) pp6381-6390.
11. Pradeep Jadhav,Vijay Patil et al,"**An Experimental and Numerical Investigation on Static Vibration Response of Multi-Cracked Rotor Shaft**" International Conference on Mechanical, Materials and Renewable Energy IOP Publishing IOP Conf. Series: **Materials Science and Engineering** 377 (2018) 012095 doi:10.1088/1757-899X/377/1/012095(Scopus).
12. D.B.Jadhav,P.V.Jadhav ,D.S.Bilgi,"**Experimental Investigation of MRR on Inconel 600 using Ultrasonic Assisted Pulse Electrochemical Machining**" International Conference on Mechanical, Materials and Renewable Energy IOP Publishing IOP Conf. Series: **Materials Science and Engineering** 377 (2018) 012095 doi:10.1088/1757-899X/377/1/012095 (Scopus).
13. P.V.Jadhav, D.S.Bilgi,Abhay sawant, "**Experimentation Investigation on Taper Angle of Micro-Electro discharge Machining based on taguchi Method**" IEEE Publisher (978-1-5090-2794-1/17/ ©2017 IEEE) (Scopus).
14. Atish Mane,P.V.Jadhav, "**Review of Electro discharge machine (EDM) and Ultrasonic assisted electro discharge machine (USA- EDM) IOSR journal of engineering (IOSRJEN) ISSN(e): 2250-3021, ISSN(p): 2278-8719,2018,pp11- 14.**
15. Shantanu Pawar, P.V.Jadhav et al,"**Design and analysis of sandwich composite spring for HMTV**" International Journal of Mechanical Engineering and Technology (**IJMET**) Volume 8, Issue 9, September 2017, (Scopus), pp. 01–17.
16. Angel,P.V.Jadhav, "**Finite Element analysis of wheel rim for cornering and radial load condition**" journal of emerging and Technologies and Innovative research (JETIR) vol.5, issue 6, 2018, pp 461-466.
17. Namrata Deshmukh, P.V.Jadhav et al, "**TiO₂ Nanofibre and its potential application: Review**" International journal of innovative technology and Research (IJITR) Vol.No4, issue No. 2, July 2017.pp11-13.
18. Shantanu Pawar, P.V.Jadhav "**A Review: Computer aided analysis for weight optimization of leaf spring using intermediate layers of GFRP and CFRP**" International journal of innovative technology and Research (IJITR) Vol.No4, issue No. 1, July 2017.
19. P.V. Jadhav.D.S. Bilgi,Harel,"**Design and development of electrode for ultrasonic assisted pulse electrochemical machining**" IJRITCC, Vol.5,Issue 6,June 2017,pp 120-125.
20. Tejas vakil, Pradeep Jadhav et al "**Short Review: Different type of Ionic Liquids for CO₂ absorption**" International journal for Scientific research & development (IJSRD). No4, issue No.4, June 2016, pp 870-874.
21. Vijay Kumar, Pradeep Jadhav et al, "**A Brief review on different synthesis Methods of CZTS Nano- particles. International journal for scientific research & development (IJSRD). vol4, issue No.4, June 2016, pp1102-1103.**

22. Shekhar shinde, Pradeep Jadhav, **“Thermo Mechanical analysis of cylinder liner”** International journal of Engineering and General Science (IJERGS) Vol.No4, issue No.3, May-June 2016, pp 296-306.
23. Atish Mane, P.V.Jadhav, **“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, pp 3019-3029.
24. Shekhar shinde, Pradeep Jadhav **“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.
25. P.V.Jadhav, Dashore, **“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.
26. P.V.Jadhav, Kedar, Shashikant Dashore, **“Development of Basin solar Still”** International journal of innovative technology and Research (IJITR) Vol.No3, issue No. 5, August –September 2015, pp 2432-2435
27. D.S.Bilgi, Pradeep Jadhav, **“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, (Scopus) pp.4-18
28. P.V.Jadhav, D.S.Bilgi et al, **“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.
29. Anamika, P.V.Jadhav et al **“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), June 2014 impact factor 3.843, ISSN. 2091-2730, pp. 266–275,
30. Anamika, P.V.Jadhav et al, **“CFD Analysis of Electrolyte flow Pattern in Pulse Electrochemical machining”** International Journal of Engineering Innovations and Research (IJEIR), June 2014, vol 3, issue3, impact factor 3.12, ISSN. 2277-5668. pp. 358-364,
31. P.V.Jadhav, D.S.Bilgi, Harel, **“An Experimental Investigation in to the Spike Profile Obtained During Pulse Electrochemical Drilling of Blind Holes”** International Journal of Engineering Science and Technology (IJEST), Feb. 2011, Engg. And Technology Publication, ISSN. 0975-5462. pp. 1682-1692
32. P.V.Jadhav, D.S.Bilgi et al, **“Enhancement of Surface Finish of Pulse Electrochemically Machined (PECM) Surface Using Rotating Electrode.”** International Journal of computer and information system (IJCCIS). vol2, no 1 ISSN: 0976-1349 dec 2010 n Engineering and Technology, December 2010, Goplax Publication Singapore, pp. 49-54.
33. P.V.Jadhav, D.S.Bilgi, **“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, 2008. pp-32-38.

Proceedings of the International Conference on Advanced Technologies for Societal Applications: (Springer International Publishing: SCOPUS)

1. Manoj Wagh, Pradeep Jadhav, **“Continuous electro coagulation process for automation in plant technology”**. Techno-societal 2018, 2nd International conference on Advanced Technologies for societal applications” at SVERI Pandharpur, 14th- 15th Dec. 2018. (Springer Nature Switzerland AG 2020)

2. Ranjeet Gidde, P.V.Jadhav et al, "CFD Based Analysis of Simple T-Junction and Y-Junction Micro Mixers with Different Obstacles Techno-societal 2018, 2nd International conference on Advanced Technologies for societal applications" at SVERI Pandharpur, 14th- 15th Dec.2018.(**Springer Nature Switzerland AG 2020**)
3. D.B.Jadhav, P.V.Jadhav, "Model analysis of ultrasonic stack Assembly" **Techno-societal 2018**, 2nd International conference on Advanced Technologies for societal applications" (**Springer international Publishing**) 14th- 15th Dec. 2018..(**Springer Nature Switzerland AG 2020**)
4. Sachin Khomane, Pradeep Jadhav, "Experimental investigation of crack for tensile loading condition by using hole drilling method" Techno-societal 2018, 2nd International conference on Advanced Technologies for societal applications" 14th -15th Dec. 2018..(**Springer Nature Switzerland AG 2020**)
5. Anil shinde, Pradeep Jadhav et al, "Optimization of Multiple Performance Characteristics of Surface Micro- Textured Journal Bearing" 2nd International conference on Advanced Technologies for societal applications" (**Springer international Publishing**)14th -15th Dec.2018.(**Springer Nature Switzerland AG 2020**)
6. Akash Sah,Pradeep Jadhav, " Linear Static Analysis and Dynamic Analysis of a Mono-tyre Bike Wheel Inner-Hub Design Using Finite Element Analysis" 2nd International conference on Advanced Technologies for societal applications" (**Springer international Publishing**)14th -15th Dec. 2018.(**Springer Nature Switzerland AG 2020**)

National Journals:

1. D.S.Bilgi,P.V.Jadhav,"**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.

International Conference:

1. Manoranjan Singh,P.V.Jadhav,"Experimental investigation on taper angle of micro-Electrochemical machining using Taguchi Method" 2nd **International Conference on "Enhancement and innovations in Exploring Engineering ICEIEE 2019**, on 12 th July 2019 at **Kula Lumpur, Malesiya**.
2. Akash Sah,Pradeep Jadhav, "Cornering fatigue test and radial fatigue test on a rim with steps for monotyre E-Vehicle using FEA" 2nd **International Conference on "Enhancement and innovations in Exploring Engineering ICEIEE 2019**, on 12 th July 2019 at **Kula Lumpur, Malesiya**.
3. Manoranjan Singh,Pradeep Jadhav," Experimental investigation on analysis of overcut of micro-holes machined on INCONEL 718 by electrochemical micromachining" IITER International Conference 14th July 2019, at Pacific hotel **Singapore**
4. Manoranjan Singh, P.V.Jadhav,"A literature review on Electrochemical Micro-Machining (ECMM) of Nickel based super-alloys" International Conference on Recent Innovations in Engineering and Technology (**ICRIET-19**) 15th and 16th February 2019. JSPM College of Engg. Pune.
5. Sunil Kadam,P.V.Jadhav,"Synthesis of TiO₂ Nanofibres for Solar Cells and Their analysis using Statical tool-ANOVA" ICTSA (**Springer International Publishing**, DOI: 10.1007/978-3-319-53556-2_57) 17 June 2017, pp 561-567.
6. V.R.Patil,P.V.Jadhav, "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. P.V.Londhe, P.V.Jadhav et al, "Synthesis of Biofunctional Nanofibers (curcumin, 5 elatine and formic acid) Using Electrospinning process and optimization of parameters for diameter for diameter of Nanofibers" 4th International Conference on Nanotechnology application, Advances and Innovations (**NANOCON 018**), 25th, 26th October 2018 at Pune.
8. Akash Sah, Pradeep Jadhav, "Finite element analysis of wheel rim and inner rim hub for cornering and radial load condition" **Techno-societal 2018**, 2nd International conference on Advanced Technologies for societal applications" at SVERI Pandharpur, 14th-15th Dec. 2018.
9. P.V.Jadhav, V.R.Patil "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 'Vidyaavihar', Lonere, M.S. India. 402103.**
10. P.V.Jadhav, D.S.Bilgi, "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**
11. P.V.Jadhav, Rajat Bhat, "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.**
12. P.V.Jadhav, D.S.Bilgi, "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.
13. P.V. Jadhav, D.S.Bilgi, Harel, "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.
14. P.V.Jadhav, D.S.Bilgi "Design of Ultrasonically Assisted PECM tool Using Finite Element Analysis" International Conference on **PRECISION, MESO, MICRO** and **NANO FINISHING**", on December 10-11, 2011, at **(COEP) Production Engineering Department College of Engineering, Pune.** Pp 433 to 437.
15. P.V.Jadhav, D.S.Bilgi "An Investigation into Enhancement of Surface Finish of Pulse Electrochemical Machining". Conference of Industrial and Production Engineering, **National Institute of Technology, Jalandhar** 3-5th Dec 2010.
16. P.V.Jadhav, D.S.Bilgi "An Investigation into Enhancement of Surface Finish of Pulse Electrochemical Machined Surface Using Rotating Electrode". 1st Int. Conf on **DRILLING TECHNOLOGY**, Department of Ocean Engineering, **Indian Institute of Technology Madras**, 19th Nov 2010.
17. P.V.Jadhav, D.S.Mankar, "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.
18. P.V.Jadhav, D.S.Bilgi, "An Experimental Investigation into spike profile obtained during electrochemical drilling of blind holes" **TEAM TECH 2008**, International conference and Exhibition on Total engineering Analysis & Manufacturing Technologies. dayanand Sagar Institutions Bangalore 15/8/2008.
19. P.V.Jadhav, D.S.Bilgi, "Process Planning Support System for Green Manufacturing & its Application". **Indo-Italian International conf.** On green & clean environment, MAEER's **MIT COE. Pune**, 20-21st March 2008.

	<p>20. P.V.Jadhav,D.S.Bilgi,“ “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.</p> <p>21. P.V.Jadhav,D.S.Bilgi,““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.</p> <p><u>National Conference:</u></p> <p>1. S.Vimal,P.V.Jadhav,A.K.Pandey “A Review of nano machining by Electrochemical Processes” 2nd national Conference on recent Developments in Mechanical Engineering , RDME -2013, April 27-27 2013.pp 32.</p> <p>2. P.V.Londhe, Dr.L.G.Nawale, Dr.D.S.Bilgi, P.V.Jadhav, “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.</p> <p>3. P.V.Jadhav, Dr.D.S.Bilgi, “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.</p> <p>4. P.V.Jadhav,Dr.D.S.Bilgi, “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</p>
Books Published	<p>1. Advanced Manufacturing Processes. (MSBTE)Tech- Neo Publications. July 2019.ISBN 978-93-89460-14-8 Authors: Dr. Pradeep V. Jadhav, Swanned Pachpore and Sachin khomane</p> <p>2. Advanced Manufacturing Processes. (Savitribai Phule Pune University) Tech- Neo Publications. Jan 2020. ISBN 978-93-89835-78-6 Authors: Dr. Pradeep V. Jadhav, Samidha Jawade and Swanand Pachpore</p>
Collaboration with Industry (MOU):	<p>1. Memorandum of Understanding (MOU) 2014-15: - Bharati Vidyapeeth University College of Engineering and NORD Drive systems Private Limited, a Company registered under the Company’s Act, 1956, having its registered office & works at 282/2, 283/2, Plot No. 15, Muja Village Mann, Taluka Mulshi, Adj. Hinjewadi MIDC Phase II, Pune 411057, Maharashtra, India. Closely associated with many companies like BARC, L&T, ATLAS CAPCO PUNE, PANAMA INDUSTRIES, Kala group of industries, Willow and TATA MOTORS etc.</p>

Workshop/ Seminar/Conference Organized	<ol style="list-style-type: none">1. FDP on Research opportunities in Advanced Manufacturing Processes (22nd June to 28th June 2020 at BVDU COE Pune.2. Organizing committee member for International Conference on Artificial Intelligence and Robotics (ICAIR-2019), 23-24th August 2019, Mumbai, India.3. Co-Ordinator: Two-day workshop on “3D Printing and its Applications” (Mech. Dept.) B.V.D.U. Pune on 24th -25th January 2019.4. Two-day workshop on “Research in Renewable energy” (Mech. Dept.) B.V.D.U. Pune on 23rd -24th February 2017.5. Six-day workshop on “NDT and Welding Technology” (Mech. and Prod. Dept.) B.V.D.U. Pune on 6th -13th February 2017.6. Seminar on Research Awareness sponsored by B.V.U.C.O. Engg. Pune (Mech. Dept.) on 15th Oct 2016.7. Seminar on 3D printing (Additives Materials) sponsored by B.V.U.C.O. Engg. Pune on 7th April 2015.8. Programme Sat at B.V. By Muthusekhar M. D. NORD Drive systems for Third and Final year students, 8 Sept 2015.9. <i>International Conference NANOCON 014 Smart Materials, Composites, Applications and New Inventions at Bharati Vidyapeeth University Pune. (India), 14th, 15th October 2014.</i>10. Intl. Conf. on NANO Technology materials & composites for frontier applications, B.V.D.U. Pune, 14-15th Oct 2010.																															
Workshop/ Seminar/Conference attended	<table><tr><th colspan="4">Workshop/ Seminar/Conference Attended</th></tr><tr><th>Sr. No</th><th>Name of course</th><th>Place</th><th>Duration</th></tr><tr><td>1</td><td>One Week Short Term Training Programme (Online) on Experimental Methods in Engineering (TEQIP)</td><td>Government College of Engineering, Karad</td><td>5th to 9th July 2021</td></tr><tr><td>2</td><td>AICTE Quality Improvement Scheme (AQIS) sponsored one week online Short-Term Training Program on Innovative & Inventive Problem Solving</td><td>AISSMS COE, Department of Production Engineering, Pune.</td><td>29th June to 04th July 2021</td></tr><tr><td>3</td><td>Seminar on Challenges in Rapid Quality Assurance for Additive Manufacturing</td><td>Excell 3D, UK</td><td>7 July 2020</td></tr><tr><td>4</td><td>3D printing for Design and Advanced Development-applications for Automotive sector, Medical Devices, missiles, Customized gifts, drones, and Robots.</td><td>NAFEMS and RIT Islampur</td><td>6-9 May 2020</td></tr><tr><td>5</td><td>Webinar on Introduction to Lab View</td><td>SRCOEM, Nagpur</td><td>7 May 2020</td></tr></table>				Workshop/ Seminar/Conference Attended				Sr. No	Name of course	Place	Duration	1	One Week Short Term Training Programme (Online) on Experimental Methods in Engineering (TEQIP)	Government College of Engineering, Karad	5 th to 9 th July 2021	2	AICTE Quality Improvement Scheme (AQIS) sponsored one week online Short-Term Training Program on Innovative & Inventive Problem Solving	AISSMS COE, Department of Production Engineering, Pune.	29th June to 04th July 2021	3	Seminar on Challenges in Rapid Quality Assurance for Additive Manufacturing	Excell 3D, UK	7 July 2020	4	3D printing for Design and Advanced Development-applications for Automotive sector, Medical Devices, missiles, Customized gifts, drones, and Robots.	NAFEMS and RIT Islampur	6-9 May 2020	5	Webinar on Introduction to Lab View	SRCOEM, Nagpur	7 May 2020
Workshop/ Seminar/Conference Attended																																
Sr. No	Name of course	Place	Duration																													
1	One Week Short Term Training Programme (Online) on Experimental Methods in Engineering (TEQIP)	Government College of Engineering, Karad	5 th to 9 th July 2021																													
2	AICTE Quality Improvement Scheme (AQIS) sponsored one week online Short-Term Training Program on Innovative & Inventive Problem Solving	AISSMS COE, Department of Production Engineering, Pune.	29th June to 04th July 2021																													
3	Seminar on Challenges in Rapid Quality Assurance for Additive Manufacturing	Excell 3D, UK	7 July 2020																													
4	3D printing for Design and Advanced Development-applications for Automotive sector, Medical Devices, missiles, Customized gifts, drones, and Robots.	NAFEMS and RIT Islampur	6-9 May 2020																													
5	Webinar on Introduction to Lab View	SRCOEM, Nagpur	7 May 2020																													

	6	NAAC Awareness Programme for Faculty	MMIT, Lohgaon, Pune	8-14 May 2020
	7	International Faculty awareness Program	JSPM'S Pune	11 -15 May 2020
	8	Training on Systematic Innovation Through TRIZ	GGSC&RC, Nashik	15-17 May 2020
	9	Webinar on Startup lifecycle and Patent Registration	Atharv C.O Engg. Mumbai.	18-19 May 2020
	10	FDP on Python 3.4.3	PVG Pune	25-30 May 2020
	11	Design, Simulation and Development of Unmanned Aerial Vehicles (Drones) and applications in various Engineering Sectors.	NAFMES and RIT Islampur	30 April -4 th May 2020
	12	Fuzzy Logic and Neural Network Approaches for Engineering solutions	JAER and Hexacube India	29-30 April 2020
	13	Design of experiments: an engineering Perspective	JAER and Hexacube India	22-24 April 2020
	14	FDP Manufacturing Process Technology I, II (NPTEL)	IIT Kanpur	20 Jan 20-April 2020
	15	Introduction to intellectual Property	BVUCOE Pune-43	7 Jan 2020
	16	FDP on Robotics (ATAL)	IIIT Pune	7 Dec-11Dec 19
	17	FDP on Introduction of mechanical micromachining process	IIT Kharagpur	JAN-APR 2019
	18	Workshop on "Online Grievance Redressal system"	Medical College Centre for Health and Mgmt. Studies & Research Pune	15 th Jan 2019
	19	4 th Annual for TRIZ or X(patent Circumvention)	Pune	30 Nov 18
	20	FDP on Design for Quality, Manufacturing and Assembly	IIT Madras	AUG-Sept 2018
	21	FDP on Advanced Materials and Processes	IIT Kharagpur	July-Oct 2018
	22	Metal 3D Printing	Le Meridien Hotel Pune	15 May 2017
	23	One-week STTP on "NANO, Micro and Bulk material processing and Technology"	Gokaraju rangaraju Institute of Engg. And technology (GRIET) Hyderabad. Telangana	20 -26 March 2017
	24	FDP On "Pedagogy to synergy: An innovative approach for progressive education"	BVU C .O.E Pune-43	16 th – 19 th March, 2017
	25	Seminar on Springer Nature	B.V.U.C.O.E Pune	7 th March, 2017

	26	Seminar on Achieving Make in India through Manufacturing Advancement	AISSMS COE Pune	20-21 Jan 2017
	27	STTP on “Advanced in Manufacturing Processes” approved by ISTE, New Delhi.	AGTI’S Dr. Daulat Rao Aher College of Engg. karad	5 th -9 th Dec 2016.
	28	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.
	29	“PLC, SCADA and HMI”	B.V.U.C.O.E Pune-43	18 th - 23 rd Jan, 2016
	30	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
	31	Workshop on “Secrets of Guru”	B.V.U.C.O.E Pune43	7-8 th August, 2015.
	32	AICTE sponsored 2 weeks programme on FDP “Advances in Micro-manufacturing”	Govt. College of Engineering Pune.	1-12 June 2015.
	33	TEQIP Workshop on MEMS & NEMS (Design and Fabrication)	I.I.T, Hyderabad.	15-19 Dec 2014.
	34	TEQIP-II Sponsored Workshop on “Understanding the mind conditioning ourselves through EFT”	B.V.U.CO.E Pune-43	19 th July 2014.
	35	TEQIP-II Sponsored Workshop on “Advance Cloud Computing”	B.V.U.CO.E Pune-43	2 nd - 4 th Jan 2014.
	36	Faculty Development Programme on “Quality Improvement Schemes of Various Funding Agencies”	B.V.U.M.C Pune-43	19 th October 2013.
	37	TEQIP-II and TUV SUD South Asia Pvt. Ltd. Sponsored Workshop on “Fundamentals of Cloud Computing”	B.V.U.CO.E. Pune-43	1 st to 2 nd Aug. 2013.
	38	AICTE sponsored short term course on “Emerging Technology in Micro and Nano Manufacturing”	Defense Institute of Advanced Technology, Pune.	12-14 June 2012.
	39	National Workshop on Manpower development in Petroleum Engineering (NWMDPE 2010)	I.I.T. MADRAS	18- 21 Nov. 2010
	40	One day seminar on Mathematical Methods for Research in engineering sponsored by ISTE.	AISSMS- IOTT. Pune.	26 th April 2010

	41	AICTE sponsored short term course on "Micromachining"	I.I.T. Bombay	8 – 13 th June, 2009.
	42	MHRD sponsored Short Term Training Programme (STTP) on Digital Factory,	N.I.T. Warangal	25Aug-6 th Sept 2008.
	43	AICTE, DST & BARC sponsored short term course on Micromachining	I.I.T. Bombay	2 nd - 7 th June, 2008
	44	AICTE sponsored short term course on "Micromachining Manufacturing"	I.I.T. Guwahati,	24 th -28 th Feb, 2008.
	45	Introduction to MATLAB	B.V.U.C O. E Pune43	27-29 Dec 2007
	46	Participated in a Workshop on "Micromachining and Micro fabrication"	J.N.Tata Auditorium, I.I. Sc, Bangalore.	4-6 th October 2007.
	47	AICTE & BARC sponsored short term course on Micromachining	I.I.T. Kanpur	18 th -23 rd June 2007.
	48	Industrial training at Crompton Greaves	Aurangabad	3-5 Oct 2006.
	49	"Teaching Engineering Effectively" held by "GREAT FOUNDATION" (Global research education and training foundation Pune)	B.V.U.C Pune-43	11 th - 12 th August 2006
	50	Industrial training at Crompton Greaves	Kanjur Marg, Mumbai, 400042	27-29 Jan 2006
Research Projects Completed/ Undergoing	<p>1) Title: Analysis of Pulse Electrochemical Machining Funding agency: Institution of Engineers (IEI) INDIA. Principle Investigator: Dr. Pradeep V Jadhav Project Outcomes: B.Tech completed (05), Paper published (02) Status: Completed</p> <p>2) Title: Enhancement of Surface Finish of Electrochemically (EC) Drilled Deep Hole Funding agency: DST, New Delhi (Rs.21,54,000) Principle Investigator: Dr.D.S.Bilgi Co - Investigator: Dr. Pradeep V Jadhav Project Outcomes: M.Tech completed (04 Student) and PhD.(02), International publication (10) Status: Completed</p> <p>3) Title: Design and fabrication of multidispenser additive manufacturing system for Formation of Gyroid Labyrinth structure for structural property enhancement. investigations Funding agency: Bharati Vidyapeeth Deemed to be University Principle Investigator: Dr. Pradeep V Jadhav Co Principle Investigator: Dr.Yogesh Chendake Status: Undergoing</p>			

Research Projects Applied	<p>1) Title: Development of battery pack & electric motor technology for the Smart Bikes (Polarity) to achieve the goals of light-weighting & increased performance Funding agency: Innovation Challenge Fund 2020 UK - 250,00,00 Lakhs Stage one- Accepted Principle Investigator: Dr. Pradeep V Jadhav Co-Investigator: Mr.Sachin Jadhav,Dr.Yogesh Chendake,Dr.Praveen Bidare Status: (Under Process)</p> <p>2) Title: Laser powder bed fusion based additive manufacturing of gyroid labyrinth Ti6Al4V alloy structures with high-specific stiffness and strength for spacecraft applications Funding agency: ISRO, 54 Lakhs Principle Investigator: Dr. Pradeep V Jadhav Co Principle Investigator: Dr.Yogesh Chendake Status: (Under Process)</p> <p>3) Title: Design and Development of the Novel and highly efficient heat sinks with gyroid lattice structures by metal additive manufacturing for thermal management solutions. Funding agency: SERB-CGR (DST), 1,42,84800 Principle Investigator: Dr. Pradeep V Jadhav Co Principle Investigator: Dr.Yogesh Chendake Status: (Under Process)</p>
AICTE Funds	<p>1) AICTE-Adjunct Faculty, AICTE New Delhi. (6 Laks)</p>
Patent Filed/ Published/ Granted	<p>1) Title: MICROFLUDIC BASED DIGITAL SOIL NUMERICAL TESTING Patent Application No.: 202021055301 Dated: 19/03/2021 Inventors: Mr. Sachin Khomane & Dr. Pradeep V Jadhav Applicant: Bharati Vidyapeeth (Deemed to be University) College of Engineering Pune Status: Published</p> <p>2) Title: A LOW-COST SEMIAUTOMATIC METALLURGICAL SPECIMEN GRINDING AND POLISHING MACHINE TO DEVELOP SPECIMEN Patent Application No.: 202021003381 Dated: 24/01/20 Inventors: Mr. Sachin Khomane , Dr. Pradeep Jadhav, Ranjit Ramkrishna Gidde, Akash Rakate,Pranav Ippanpalli,Nitin Tele. Applicant: SVERI's College of Engineering, Pandharpur Solapur 413304 Status: Published</p> <p>3) Title: A- 3D PRINTER: "AUTO SCENE INPUT 3-D IMAGE AND PRINT THREE DIMENSIONAL OBJECTS Patent Application No. 201941036026 Dated 06/09/2019 Inventors and Applicant: Dr.J.Bhagwan Reddy,Dr.PradeepV Jadhav,Mr. Shivraj More,Mr. Swanand Pachpore, Dr. Beg raj Singh. Status: Published</p> <p>4) Title: IAV-APPS: INTELLIGENT ADVANCED VEHICLE APPS TO CONTROLLED ALL NECESSARY THINGS" Patent Application No.: 201921032727 Dated 13/08/2019 Inventors and Applicants: PROF.(DR.) S. B. Chordia, Dr. Pradeep V Jadhav, Dr,S,S,Chavan, Dr, Shadab Pattekari, Status: Published</p>

Professional Memberships	<ol style="list-style-type: none"> SAEINDIA Western Section Professional Membership Registration (Faculty) :7210510033 Member: Society of Materials and Mechanical Engineering (SOMME). Membership No. AM2020019
Awards/Achievements	<ol style="list-style-type: none"> 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. 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. Award of the Grant- in-aid (R&D) (Rs.60, 000) Received from IEL, August 2011. Won second prize for paper presentation at 48th National Conference (IIIE), Bangalore, 2006.
Ph.D./ M.Tech Guide	<p>02 Completed, 07 Pursuing.</p> <p>10 Completed, 02 Pursuing</p>
Ph.D Thesis Examiner	03 Completed
Resource Person to Seminars/Conference/FDP/STTP/ QIP:	<ol style="list-style-type: none"> Resource Person: AICTE sponsored online one Week STTP on “Application of IoT and Smart Manufacturing in Engineering at Suryodaya College of Engineering & Technology, Nagpur. 25th March 2021. Resource Person: AICTE sponsored online one Week STTP on “Application of IoT and Smart Manufacturing in Engineering at Suryodaya College of Engineering & Technology, Nagpur. 15th March 2021. Invited Talk – 8th International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME 2020) to be held on December 19-20, Society for Materials and Mechanical Engineers, India. Participate in Panel Discussion, Third International Conference on Advanced Technologies for Societal Development: Techno Societal 2020 on 11th and 12th of December 2020. Resource Person: AICTE sponsored one Week STTP on “Micromachining for future products at SIT College of Engineering, Yadav, Ichalkaranji, Kolhapur. 15th Jan 2020. Invited Talk – 7th International on advancement and futuristic Trends in mechanical and materials Engineering (AFTMME2019) on 5th -7th, 2019 at IIT Ropar, India. Chair Session – International Conference on “Management, Engineering and Social Science (ICMESS-19) 23-24th August 2019, Mumbai, India Keynote Speaker – 2nd International Conference on “Enhancement and innovations in Exploring Engineering ICEIEE 2019, on 12th July 2019 at Kula Lumpur, Malaysia. Chair Session – 2nd International Conference on “Enhancement and innovations in Exploring Engineering ICEIEE 2019, on 12th July 2019 at Kula Lumpur, Malaysia. Keynote Speaker – 2nd International Conference on “Advanced Technologies for Societal applications-Techno-societal 2018. At SVERI COEP 18 Dec 18. Scientific/Advisory Committee member/Session chair of International conference on Civil, Mechanical and Industrial engineering (ICMMIE-2019)” at SKN Sinhgad College of Engineering. Korti, Pandharpur, 29th -30th March 2019. Chair Session for national Conference on recent Trends in engineering and Technology (VISHWACON 2019). Chair Session and key note Speaker for Techno-societal 2018, 2nd International conference on Advanced Technologies for societal applications” at SVERI Pandharpur, 14th- 15th Dec. 2018.

	<ol style="list-style-type: none"> 14. Chair Session – National Conference on “Technological developments in Civil & Mechanical Engineering-NCTDCME-2018. At S.B.Patil C.O.Engg Indapur.15 March 2018 15. 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. 16. 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 Dec17 17. Resource Person- AICTE sponsored faculty development programme on “Scope of Metallurgical process and Material Testing of Advanced Materials” at PVPIT College of Engg, Budhgaon, 2^{3rd} Dec., 2017. 18. Expert talk on “Advances in manufacturing”SKN Sinhgad College of Engineering Korti, Pandharpur, 5 sept 2017. 19. Expert Lecture on “Metal Forming Recent techniques” G.H.Raisoni College of Engineering and Management, Ahamadnagar, 2/8/2017. 20. Keynote 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. 21. Keynote address – International Conference on “Advanced Technologies for Societal Applications-Techno-societal 2016. At SVERI COEP 20Dec 16. 22. Chair Session – International Conference on “Advanced Technologies for Societal Applications-Techno-societal 2016. At SVERI COEP. 20 Dec 16 23. Chair Session – International Conference on “Material, manufacturing and design Engineering-ICMMD 2016. BATU Lonere, 21st Dec 16. 24. Chair Session – 6th International and 27th All India Manufacturing Technology, Design and Research Conference AIMTDR 2016. Dec 16th-18th, 2016. COE Pune. 25. Resource Person-ISTE approved one-week STTP on “Advances in Manufacturing Processes” at Dr. Daulatrao Aher college of Engineering, Karad, 8th December 2016. 26. Resource person: AICTE Sponsored Two Week FDP on “Advances in Micro-manufacturing” at Gov. College of Engineering Pune, 11th June 2015. 27. Member: “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.
Administrative Experience: Academic role, Responsibilities, and other Activities	<ol style="list-style-type: none"> 1. Undertook responsibility of Member: V.C. Nominates as a member of Faculty of Engineering and Technology from 2/1/17 to 1/1/2020. 2. In -Charge Unit Test from 1/1/15 to till date. 3. Secretary: Grievance Redressal Cell from 1/1/16 to till date 4. Coordinator for NAAC&NBA Accreditation in 2004, 2012 and Re- Accreditation 2016-17 of U.G. Engineering program. 5. Undertook responsibility of Member of Board of studies for Mechanical and Production Engineering Department. 6-4 -11 to 5-4-13 and 6-4-2015-2017 6. Worked as member of Flying squad to visit the University Examination. 7. Prepared Annual Report of Bhartai Vidyapeeth University: 2007- 2010. 8. External senior supervisor for the BVD university examinations. 9. University Examination- CET- 2010, 2011 at DELHI and HYDRABAD Centre Member of BVU department of student’s welfare. 10. Member of Library Committee for B. V. Univ. College of Engineering 11. External examinersfor Solapur, Pune,BATU,Mumbai,and Shivaji University.

	<p>12. Committee member for Convocation, NBA, NAAC, Blood donation camp.</p> <p>13. Co-Coordinator of faculty development program, B.V.U.C. O.E .Pune</p> <p>14. Departmental Training and Placement Co-ordinator activities for Third Year Students production branch 2007-08</p> <p>15.. Examiner, Paper Setter for various (Universities) subjects in B-Tech, M-Tech. and PhD.</p>
--	---