



Bharati Vidyapeeth's

College of Engineering For Women, Pune-43



Prof. Dr. Pradeep V. Jadhav

PRINCIPAL

Ph.D. (Mechanical Engg.), FMASC, FLMIIET, MSAEINDIA

**Bharati Vidyapeeth's College of
Engineering for Women, Pune-43.,**

E-mail: [pjadhav_19@rediffmail.com](mailto:pvjadhav_19@rediffmail.com),

Pradeep.jadhav@bharatividyapeeth.edu

Phone: 9665696022

- **Member of Research Advisory Committee SPPU University, Pune.**
- **Fellow: Maharashtra Academy of Sciences 2023**
- **Member of SAEINDIA Western Section Professional**
- **Member of Society of Materials and Mechanical Engineering (SOMME).**
- **Advisory Member Excel 3 D printing UK**
- **FELLOW member (FIIET) of The Institution of Engineers and Technology.**
- **AAA Committee Member Shivaji and Solapur University**
- **ASME Member**
- **Member of Faculty, (VC Nominee) Engineering and Technology of Bharati Vidyapeeth (Deemed University), Pune.**
- **Auditor, RRC, Breakthrough Funding Member: (Academic and Administrative) AHILYADEVI HOLKAR, SOLAPUR UNIVERSITY, SOLAPUR**
- **B.O.S. Member (2021-23) in Mechanical & Production Engineering of (BVDUCE, PUNE)**
- **CAP Director: BVDUCE Pune**
- **Head- Unit Test Cell, (BVDUCE, PUNE)**
- **Secretary Grievance Redressal Cell (BVDUCE, PUNE)**
- **NAAC Co-Ordinator: Mechanical Department**
- **Co-Ordinator: Research funding BVDUCE, PUNE**
- **COMMITTE MEMBER: SEED MONEY BVDUCE, PUNE**
- **Flying Squad Chairman (BVDUCE, PUNE).**

CURRICULUM VITAE



Dr. Pradeep Vitthal Jadhav PRINCIPAL

Ph.D. (Mechanical Engg.), FMASC, FLMIIET, MSAEINDIA

Bharati Vidyapeeth's College of Engineering for Women, Pune-43.

E-mail: coewpune@bharatividyapeeth.edu, pvjadhav_19@rediffmail.com

Website: <http://coewpune.bharatividyapeeth.edu>.

Cell No.: - 9665696022/8975406946

Phone: +91 20 24361732 Fax: +91 20 24372210

CAREER OBJECTIVE:

To be a part of academically focused organization and provide dynamic administrative and academic leadership, contribute my knowledge, experience and skills for the growth of organization.

AREA OF SPECIALIZATION/RESEARCH

Advanced Manufacturing Processes (Hybrid Machining: Micromachining), Automation, CAD/CAM, Vibration, Design of Experiments.

PROFESSIONAL SOCIETY MEMBERSHIP

1. Member of Research Advisory Committee SPPU University, Pune.
2. SAEINDIA Western Section Professional Membership Registration (Faculty):7210510033
3. **FELLOW member (FIET)** of The Institution of Engineers and Technology. No. 1020-2356
4. Member: **Society of Materials and Mechanical Engineering (SOMME)**. Membership No. AM2020019
5. Fellow member: IIET-F-ME-102023-56 Andra Pradesh.
6. IEI Membership
7. Excell 3 D printing UK: Advisory Member
8. BOS Member & Head Unit Test Cell: BVDCOEC Pune

PROFESSIONAL EXPERIENCE

Total Experience	Teaching (UG & PG)	Industrial	Research & Development	Consulting
22 Years	22 Years	01 Years	10 Years	03 Years

ORGANISATIONAL EXPERIENCE

Sr. No.	University and Institution	Position held	Duration	
			From	To
	Bharati Vidyapeeth's College of Engineering for Women, Pune.	Principal	9/3/2024	Till date
1	Bharati Vidyapeeth University College of Engineering Pune	Professor	1/7/2016	7/3/2024
3	B.V.U.C.O.Engineering Pune	Assoc. Professor	4/7/2011	30/06/2016
3	B.V.U.C.O.Engineering Pune	Asst. Professor	1/8/2008	3/7/2011
4	B.V.U.C.O.Engineering Pune	Lecturer	25/08/2003	31/07/2008
5	Kirloskar Brothers and Ltd Kirloskarwadi	Jr. Engineer	1998	1999

EDUCATION

- ❖ **Ph.D. Mechanical Engineering** from Bharati Vidyapeeth University, Pune May 2014.
(DST Project: Government of INDIA, New Delhi)
- ❖ **M.E. (Ist Class) Mechanical Engineering (CAD/CAM)** From Bharati Vidyapeeth University, Pune in 2006
- ❖ **B.E.(Ist Class) Production Engineering** from Shivaji University, Kolhapur in 2003.
- ❖ **Diploma (Designation) in production** Engineering, JNIOT Pune1998
- ❖ **HSC** from Kolhapur Board in 1996.
- ❖ **SSC** from Kolhapur Board in 1994.

1) **Title: THERMOMECHANICAL LOAD SIMULATORFOR ROOT CANAL OBTURATION**

Patent Application No.:2022/10772

Dated: 29/09/2022

Inventors: Dr. Pradeep V Jadhav, Mr. Swanand Pachpore

Status: Granted

2) **Title: DESIGN AND DEVELOPMENT OF MONO TYRE ELECTRIC VEHICLE**

Patent Application No.:391848-001

Dated: 3/08/2023

Inventors: Dr. Pradeep V Jadhav Dr. Yogesh Chendake , Mr. Sachin Khomane

Applicant: Bharati Vidyapeeth (Deemed to be University) College of Engineering Pune

Status: Submitted

3) **Title: ENHANCEMENT IN PROPERTY TO WEIGHT RATIO USING LATTICE STRUCTURE OF THE MATERIAL AND STRUCTURE FORMED BY METAL ADDITIVE MANUFACTURING**

Dated: 4/08/2022

Inventors: Dr. Pradeep V Jadhav & Dr. Yogesh Chendake

Applicant: Bharati Vidyapeeth (Deemed to be University) College of Engineering Pune

Status: Submitted

4) **Title: A ROOT CANAL OBTURATION (RCO) SYSTEM**

Patent Application No.: 202221038923

Dated: 22/07/2022

Inventors: Dr. Pradeep V Jadhav & Mr. Swanand Pachpore

Applicant: Bharati Vidyapeeth (Deemed to be University) College of Engineering Pune

Status: Published

5) **Title: ENHANCEMENT IN MATERIAL REMOVAL RATE AND HOLE QUALITY OF TITANIUM ALUMINIDE (LIGHT WEIGHT HIGH STRENGTH TEMPERATURE RESISTANCE) MATERIAL USING HYBRID ULTRASONIC ASSISTED PULSE ELECTROCHEMICAL MACHINING PROCESS FOR INDUSTRIAL APPLICATION.**

Patent Application No.: 202221017052

Dated: 15/04/2022

Inventors: Dr. Pradeep V Jadhav, Dr.D.B. Jadhav. Dr.D.S.Bilgi

Applicant: Bharati Vidyapeeth (Deemed to be University) College of Engineering Pune

Status: Published

6) **Title: DEVICE FOR CREATING LATERAL CANALS IN ORTHODONTIC BLOCKS.**

Patent Application No.: 202221037147

Dated: 22/07/2022

Inventors: Dr. Pradeep V Jadhav & Mr. Swanand Pachpore

Applicant: Dr. Pradeep V Jadhav & Mr. Swanand Pachpore

Status: Published

7) Title: MICROFLUDIC BASED DIGITAL SOIL NUMERICAL TESTING

Patent Application No.: 202021055301

Dated: 19/03/2021

Inventors: Dr. Pradeep V Jadhav & Mr. Sachin Khomane

Applicant: Bharati Vidyapeeth (Deemed to be University) College of Engineering Pune

Status: Published

8) Title: A LOW-COST SEMIAUTOMATIC METALLURICAL 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

Applicant: SVERI's College of Engineering, Pandharpur Solapur 413304

Status: Published

9) 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

10) 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, Mr. Pranav Pise

Status: Published

CONSULTANCY WORK:

- 1) ADVANCED MANUFACTURING PROCESSES LAB: UG, PG and PhD projects have completed (Outside Institute: RIT Islampur, MIT- Pune, Sinhgad Pune and INIT Nagpur) and submitted proposals to different agencies like DST,SERB,CGR ,MODROB, SPARK,UKERI and ISRO etc.

BOOK PUBLISHED: 02

- 1) **Advanced Manufacturing Processes (Elective IV):** Semester VII, Mechanical Engineering (**Pune University**) ISBN 978-93-89835-78-6, Jan 2020.
- 2) **Advanced Manufacturing Processes:** Semester V, Mechanical Engineering (MSBTE), Tech-Neo Publications, ISBN 978-93-89460-14-8, Jan 2019.

BOOK CHAPTER: 02

- 1) **Computational Intelligence in Manufacturing:** Process parameter optimization in manufacturing of root canal device using gorilla troops optimization algorithm, Woodhead Publishing (Elsevier), ISBN 978-0-323-92854-1, 8 May 2022.Edited :(Paulo Davim, Ganesh Kakhandikar).
- 2) Mathematical Modelling for Radial Overcut on Mechanical Micro Drilling of CFRP-Ti6AL4V Stack Composite by Response Surface methodology. ISBN:978-93-5747-702-4, Publication Date:30-April-2024.

PUBLICATIONS:

No. of Publications				H-index	No. of citations.	No. of Publications on		
International Journal	National Journal	International /national Conference	Book /Book Chapter			Scopus	Web of Science /ICI	Google Scholar
65	02	30	05	Scopus-6 GS-9	Scopus -105 GS- 238	34	18	62

ACHIEVEMENTS: PROJECTS UNDERTAKEN

Research Projects Completed:

1. In house **development of Laboratory: “Advanced manufacturing processes” (Micromachining)**. Bharati Vidyapeeth Deemed University Pune (Mechanical Engg. Dept. (Rs. 66,00,000)

3) Title: **Analysis of Pulse Electrochemical Machining**

Funding agency: Institution of Engineers (IEI) INDIA. (Rs.60,000)

Principle Investigator: Dr. Pradeep V Jadhav

Project Outcomes: B. Tech completed (05), Paper Published (02)

Status: **Completed**

4) 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**

5) Title: **Design and fabrication of melt dispenser additive manufacturing system for Formation of Gyroid Labyrinth structure for structural property enhancement investigations’**

Funding agency: Bharati Vidyapeeth Deemed to be University. (Rs.3, 45,380)

Principle Investigator: Dr. Pradeep V Jadhav,Co Principle Investigator: Dr. Yogesh Chendake

Status: **Completed**

6) Theoretical and Experimental Investigation of Rotor Bearing System for Fault Diagnosis using Vibration Analysis” TEQUIP-II, (Rs.3, 00,000 Lakhs)

7) AICTE-Adjunct Faculty, AICTE New Delhi. (Rs. 6,00,000)

Status: **Completed**

8) **Title:** Effect of process parameters on performance measure of magnetic field assited ultrasonic pulse electrochemical machining.

Funding agency: Bharati Vidyapeeth Deemed to be University. (Rs.1, 00,000)

Principle Investigator: Dr. Pradeep V Jadhav,Co Principle Investigator: Dr. D.B.Jadhav

Status: **Completed**

9) **Title:** Design and development of micro-channel for soil nutrition testing by using Micro-fludic system.
 Funding agency: Bharati Vidyapeeth Deemed to be University. (Rs.1, 00,000)
 Principle Investigator: Dr. Pradeep V Jadhav, Co Principle Investigator: Dr.D.B.Jadhav
 Status: **Completed.**

Research Projects Applied/Undergoing:

1) **Title:** **Centre for sustainable materials development for engineering and biomedical applications using green methodology.**
 Funding agency: Division: R & D Infrastructure
 Programme or Scheme: Sophisticated Analytical and Technical (SATHI)
Help Institutes (SATHI) MST Gov. of India – 78.22Cr.
 Status: (Under Process)

2) **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 – 2.5Cr.**
 Stage one- Accepted.
 Principle Investigator: Dr. Pradeep V Jadhav
 Co-Investigator: Mr.Sachin Jadhav, Dr.Yogesh Chendake, Dr.Praveen Bidare
 Status: (Under Process)

3) **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)

4) **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)

Research Projects submitted:

Sr. No.	Title of the Project	Year of Completion	Name of the Funding Agency	Amount Sanctioned
1	An Experimental process parameters in ultrasonic assisted Pulse electrochemical Machining	2016	UGC-UKIERI	Rs.60 Lakhs
2	Advanced Manufacturing: Ultrasonic assisted pulse electrochemical machine (Pipe line)	2017-18	UGC-UKIERI	Rs.41 Lakhs
3	Process parameter optimization of B-titanium alloys for biomedical application using Ultrasonic assisted pulse electrochemical Machine. (Pipe line)	2018	RGSTC. Gov Of Maharashtra	Rs.3.5 Lakhs
4	Design and fabrication of natural composite manufacturing machine to Develop portable home in rural area by using farm waste. (Applied)	2018-19	SPARC	Rs. 63 Lakhs

5	An investigation in to enhancement of surface finish of advanced material using nontraditional manufacturing techniques for aerospace and biomedical application	2018-19	SPARC	Rs. 74.88 Lakhs
6	Design and Development of Ultrasonic Assisted Pulse Electrochemical Micro Machine	2018-19	Rastriya Uchchatar Shiksha Abhiyan (RUSA)	Rs. 25.88 Lakhs
7	Development and manufacturing of FULL FACE, SMART, REUSABLE and N100 RESPIRATOR MASK for healthcare professionals to fight against COVID- 19 in India	20-21	Innovation Challenge Fund 2020 -Future Mobility in Maharashtra: Combatting COVID-19 and climate change	Rs. 2.5Cr Stage one- Accepted

RESEARCH PUBLICATIONS:

International Journals	National Journals	Books/Book chapter	International Conferences	National Conferences	Total
65	02	05	32	07	111

INTERNATIONAL JOURNALS (65)

1. Kundiya Rahul Raju, Kadam Mukundrao, Pradeep Jadhav, Pawade Raju “**A review on high speed micro-milling of shape memory alloy (NiTinol): process and post perspective**” International Journal on Interactive Design and Manufacturing, Year 2025, DOI:10.1007/s12008-024-02153-x.
2. Pawar Aniket B, Chavan Sachin S, Pradeep Jadhav, Dattatray Jadhav, “**Emerging trends in hybrid ECM: a review of multi-assisted machining techniques**” Engineering Research Express, Year 2025, DOI:10.1088/2631-8695/adb53e
3. Pradeep Jadhav, Khmane Sachin M. “**Analysis and optimization of microfluidic systems for real-time detection of nutrients in soil based on computational fluid dynamics and response surface methodology**”, Journal Microfluidics and Nanofluidics, February 2025, DOI10.1007/s10404-024-02781-5, EID 2-s2.0-85213698502, ISSN16134982.
4. Harale, Akshay A.^a Jadhav D.B.a, Jadhav Pradeep. b , Mohite Dadaso D.a, Unde Sanket S.a “**Revolutionizing Orthopedics through Integration of Artificial Intelligence and 3D Printing for Enhanced Patient Care**”. Indian Journal of Orthopedics, Year 2025, DOI: 10.1007/s43465-025-01423-4
5. Pachpore S. S. a, Pradeep Jadhav V. b “**Endodontic treatment parameter optimization using central composite rotatable design**” Research on Engineering Structures and Materials, Year 2024, DOI: 10.17515/resm2023.45ma0803rs .
6. Pradeep Jadhav, Rahul Dhabale et al, Atish Mane Multi objective Optimizations of friction stir welding process parameters for reinforcement of copper particles in aluminum alloy using Taguchi based grey relational analysis (GRA) and ANOVA. “Journal of Physics,2604 (2023) 012001 IOP Publishing doi:10.1088/1742-6596/2604/1/012001
7. Pradeep Jadhav, Atish Mane “**Mathematical Modelling of Response Parameters During Ultrasonic Assisted Electro-Discharge Machining Process**” International Journal of Engineering Trends and Technology Volume 71 Issue 5, 175-181, May 2023 ISSN: 2231-5381/ [https://doi.org/10.14445/22315381/IJETT-V7I5P218. \(Scopus \)](https://doi.org/10.14445/22315381/IJETT-V7I5P218. (Scopus))
8. Atish Mane, P.V.Jadhav et al, “Optimization of Ultrasonic Assisted Electro-discharge Machining Process Parameters through Surface Response”Techno-societal 2022. ICATSA 2022. Springer, Cham. https://doi.org/10.1007/978-3-031-34644-6_69_Published 23September 2023,Print ISBN978-3-031-34643-9,Online ISBN978-3-031-34644-6

9. AKash Shas P.V.Jadhav et al, “Filament Fabrication for 3D Printing Using Waste PET Material”Techno-societal 2022. ICATSA 2022. Springer, Cham. https://doi.org/10.1007/978-3-031-34644-6_54 23September 2023,Print ISBN978-3-031-34643-9,Online ISBN978-3-031-34644-6
10. Pradeep Jadhav,Sachin Khomane“Fabrication of PDMS based micro channel for lab-on-a-chip application using CO₂laser machining”*AIP Proceedings* 2716, 030011 (2023) <https://doi.org/10.1063/5.0129777>, vol 2716, No.1 May 2023, pp020010-1-1-020010-7. (Scopus)
11. Pradeep Jadhav,V.R.Patil“Bearing element integrity analysis using dimensional analysis and response surface method (RSM) for fault diagnosis of rotor bearing system” *AIP Proceedings* 2716, 030011 (2023) <https://doi.org/10.1063/5.0136995>, vol 2716, No.1 May 2023, pp030013-1-030013-16. (Scopus)
12. Pradeep Jadhav,V.R.Patil“Experimental and numerical investigation on fault diagnosis of horizontal rotor-bearing system using central composite rotatable design (CCRD) ” *AIP Proceedings* 2716, 030011 (2023) <https://doi.org/10.1063/5.0129785> , vol 2716, No.1 May 2023, pp030015-1-030015-16. (Scopus)
13. Pradeep Jadhav,Atish Mane“Multi-objective optimization in wire electro discharge machine turning of stain less steel 316” *AIP Proceedings* 2716, 030011 (2023) <https://doi.org/10.1063/5.0129785> , vol 2716, No.1 May 2023, pp030011-1-030011-9. (Scopus)
14. Swanand Pachore. Pradeep Jadhav “Investigation and assessment for specific volume of Gutta-Percha as a biomaterial in RCTI”, **Published by Elsevier, Materials today: Proceedings**, <https://doi.org/10.1016/j.matpr.2022.08.499> 13.9.2022 (Scopus)
15. Sumit Dubal, Pradeep Jadhav, “Effect of stabilization on structures and properties of electro spun polyacrylonitrile based carbon nanofibers as a binder free electrode for super capacitor application”, **Published by Elsevier, Materials today: Proceedings**, <https://doi.org/10.1016/j.matpr.2022.07.250> 2.8.2022 (Scopus)
16. Swanand Pachore. Pradeep Jadhav “A survey inti challenges and the need for heating element technology in root canal procedures” **Journal of Engineering Research and Sciences, Volume 1, Issue 12, Page 15-20, 2022**; DOI: [10.55708/jes0112003](https://doi.org/10.55708/jes0112003)
17. Swanand Pachore. Pradeep Jadhav “Investigation on canal and Stress Intensity Patterns in Dental Canals” **International Journal of Mechanical Engineering**, ISSN: 0974-5823, vol 6, No.3 Dec. 2021, pp3398-3405. (Scopus Journal)
18. Anvit Patil, P.V.Jadhav “Fabrication & Mechanical Testing Of Metal Matrix & Composite Material” **International Journal of Mechanical Engineering**, ISSN: 0974-5823, vol 6, No.3 Dec. 2021, pp3395-3397. (Scopus Journal)
19. Sachin Khomane, Pradeep Jadhav, et al “Experimental Investigation of Tensile and Flexural Strength of Banana & Coir Fibers hybrid composite” **International Journal of Mechanical Engineering**, ISSN: 0974-5823, vol 6, No.3 Dec. 2021, pp3392-3394. (Scopus Journal)
20. Atish Mane,P.V.Jadhav “Optimization Of Response Parameters of Electrical Discharge Machine Using Shape Memory Alloy” **International Journal of Mechanical Engineering**, ISSN: 0974-5823, vol 6, No.3 Dec. 2021, pp3386-3391. (Scopus Journal)
21. 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)
22. 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. (Scopus Journal)
23. 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 ,pp11001-11010.(Scopus Journal)
24. 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-y>. (Scopus Journal)
25. 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**)

26. 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**)

27. D.B.Jadhav,P.V.Jadhav,"Model analysis of ultrasonic stack Assembly" **Techno-societal 2018**, 2nd International conference on Advanced Technologies for societal applications"14th- -15th Dec. 2018..(**Springer Nature Switzerland AG 2020**)

28. 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**)

29. 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**)

30. 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**)

31. 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.

32. Swanand Pachore. PradeepJadhav "Investigation Of A Mechanical Properties Of A Banana & Bagasse Fibre Composite By Using Naoh And H2o2 Treatment", Studies in Indian Place Names (**UGC CARE Journal**) ISSN: 2394-3114 Vol.40-Issue.88-March, 2020.

33. Swanand Pachore. PradeepJadhav "Knowledge Based Engineering and It's Application in Engineering: A Review" International Journal for Scientific Research & Development, Vol.8,Issue 1,2020,ISSN 2321-0613,pp 453-463.

34. Swanand Pachore. PradeepJadhav, 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.

35. 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,

36. 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 2020pp. 2078 – 2085.

37. 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.

38. 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.

39. 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**).

40. 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**).

41. P.V.Jadhav, D.S.Bilgi,Abhaysawant,"**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).

42. 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.

43. Shantanu Pawar ,P.V.Jadhav et al,"Design and analysis of sandwich composite spring for HMV"International Journal of Mech150anical Engineering and Technology (IJMET) Volume 8, Issue 9, September 2017, (Scopus), pp. 01-17.

44. 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.

45. 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

46. 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) June 2017, pp 561-567

47. 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.

48. Shantanu Pawar, P.V.Jadhav"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.

49. 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.

50. 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.

51. Vijay Kumar,Pradeep Jadhav et al, "A Brief review on different synthesis Methods of CZTS Nanoparticles. International journal for scientific research & development (IJSRD) .vol4, issue No.4, June, 2016, pp1102-1103.

52. 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.

53. 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.

54. 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.

55. 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.

56. P.V. Jadhav, Kedar,Shashikant ashore, "Development of Basin solar Still" International journal of innovative technology and Research (IJITR) Vol.No3,issue No. 5, August –September 2015, pp2432-2435

57. 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) Interscience publishers, Vol. 28,no.1/2/3, 2014 , (Scopus) pp.4-18

58. 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.

59. 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,

60. 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,

61. 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

62. 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 20100 n Engineering and Technology, December 2010, Goplax Publication Singapore, pp. 49-54.

63. 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.

NATIONAL JOURNALS (01)

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

ORGANIZED CONFERENCE(03)

1. 1st National Conference on Interdisciplinary Advancement in Emerging Technologies at BVCOE for Women Pune on 8th April 2025

2. Second International Conference on Recent Trends in Science Technology and Management (ICRTSM 2025) Organized in Bharati Vidyapeeth’s College of Engg. For Women, Pune on 30th June & 1st July 2025.

3. First International Conference on Recent Trends in Science Technology and Management (ICRTSM 2024) Organized in Bharati Vidyapeeth’s College of Engg. For Women, Pune on 28th & 29th June 2024.

INTERNATIONAL CONFERENCE (27)

1. Second International Conference on Recent Trends in Science Technology and Management (ICRTSM 2025) Organized in Bharati Vidyapeeth’s College of Engg. For Women, Pune on 30th June & 1st July 2025.

2. First International Conference on Recent Trends in Science Technology and Management (ICRTSM 2024) Organized in Bharati Vidyapeeth’s College of Engg. For Women, Pune on 28th & 29th June 2024.

3. Atharv Kulkarni, P.V.Jadhav, “Advanced inspection robot for rescue operation using computer vision artificial intelligence and machine learning” International Conference on Convergence in Technology ICCT 2023, on 8th-9th Sept.2023 at Dr.D.Y.Patil of Technology, Pimpri, Pune Maharashtra.

4. Niteesh Pawar, P.V.Jadhav, S.S.Pachpore “Structural optimization of ATV chasis using FEA Analysis” 5th International e-Conferance f rontiers in materials engineering and nano Technology ,ICF-MET-2023,May 5- 6th 2023, at Shri Yashwantrao Patil Science College Solankur, Maharashtra.

5. P.V.Jadhav,S.S.Pachpore “On the Robotics in Endodontics” 5th International e-Conferance f rontiers in materials engineering and nano Technology ,ICF-MET-2023,May 5-6th 2023, at Shri Yashwantrao Patil Science College Solankur, Maharashtra.

6. Rahul Dhabale,P.V.Jadhav,S.S.Pachpore “On the Materials employed in Additive Manufacturing Techniques” 5th International e-Conferance f rontiers in materials engineering and nano Technology ,ICF-MET-2023,May 5-6th 2023, at Shri Yashwantrao Patil Science College Solankur, Maharashtra.

7. Tanmay Salake,P.V.Jadhav,S.S.Pachpore “Optimization of Plastic Injection Molding and Hand Molding Processes with Different Gate and Runner Designs through FEA Analysis” 5th International e-Conferance f rontiers in materials engineering and nano Technology ,ICF-MET-2023,May 5-6th 2023, at Shri Yashwantrao Patil Science College Solankur, Maharashtra.

8. Swati Shinde, P.V.Jadhav, “Design of Various Rotor Geometries for Twin Lobe Blower Using Parametric

Equations.” Sardar Patel International Conference on “Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative” SPICON-2022.on 22nd - 23rd December 2022, at SPCE, Mumbai in association with SPIT, Mumbai, Capgemini, SAE India WS, IE(I), IIIE, FELA and technical collaboration with American Institute of Physics & IEEE Bombay Section 8th-9th Sept.2023. Maharashtra.

9. Manoranjan Singh, P.V.Jadhav, “Experimental investigation on taper angle of micro-Electrochemical machining using Taguchi Method” **2ndInternational Conference on “Enhancement and innovations in Exploring Engineering ICEIEE 2019**, on 12 th July 2019 at **Kula Lumper, Malesiya**.
10. Akash Sah,Pradeep Jadhav, “Cornering fatigue test and radial fatigue test on a rim with steps for monotyre E-Vehicle using FEA” **2ndInternational Conference on “Enhancement and innovations in Exploring Engineering ICEIEE 2019**, on 12 th July 2019 at **Kula Lumper, Malesiya**.
11. Manoranjan Singh,Pradeep Jadhav,“Experimental investigation on analysis of overcut of micro-holes machined on INCONEL 718 by electrochemical micromachining” **IITER International Conference 14thJuly 2019**, at Pacific hotel **Singapore**
12. 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.
13. P.V.Londhe, P.V.Jadhav et al,“Synthesis of Biofunctional Nanofibers (curcumin,11elatine 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,26thOctober 2018 at Pune.
14. 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.
15. 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 (iCMM 2016)**December 20-21, 2016 at Department of Mechanical Engineering **Dr. Babasaheb Ambedkar Technological University ‘Vidyavihar’, Lonere**, M.S. India. 402103.
16. 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**
17. P.V.Jadhav,RajatBhat,“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**.
18. 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.**
19. 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 Conference2012 at Production Engineering Department College of Engineering, Jadhvpur University on 14th – 16th December 2012.** Pp. 542-546.
20. P.V.Jadhav,D.S.Bilgi“Design of Ultrasonically Assisted PECD 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.
21. 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.
22. 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.
23. 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.

24. P.V.Jadhav,D.S.Bilgi,“An Experimental Investigation inti spike profile obtained during electrochemical drilling of blind holes” TEAM TECH 2008 ,International conference and Exhibition on Total engineering Analysis & Manufacturing Technologies.dayanand Sagar Institutionsds Bangalore15/8/2008.
25. 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.
26. 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.
27. 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.

NATIONAL CONFERENCE (05)

1. 1st National Conference on Interdisciplinary Advancement in Emerging Technologies at BVCOE for Women Pune on 8th April 2025.
2. 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.
3. 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, DYPKO Engg. Akurdi Pune. , 4-6th October 2007.
4. 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.
5. 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.

ADMINISTRATIVE EXPERIENCE: ACADEMIC ROLE, RESPONSIBILITIES AND OTHER ACTIVITIES

- 1.Undertook responsibility of **CAP Director: Computer Based Evaluation (CBE) for University Examination** 2021-22.
- 2.Undertook responsibility of Member: **V.C. Nominates as a member of Faculty of Engineering and Technology from 2/1/17 to 1/1/2023.**
3. **Head Unit Test** from 1/1/15 to till date.
4. **Secretary:** Grievance Redressal Cell from 1/1/16 to till date
5. Coordinator for **NAAC & NBA Accreditation** in 2004, 2012 and Re-Accreditation 2016-17 of U.G. Engineering program.
- 6.Undertook responsibility of **Member of Board of studies** for Mechanical and Production Engineering Department. 11.11.2021-11.11.2023, 6-4 -11 to 5-4-13 and 6-4-2015 to 2017.2022-2025.
7. Worked as **member of Flying squad** to visit the University Examination.2018-2020
8. Prepared **Annual Report of Bharati Vidyapeeth University**: 2007-08, 09, 10.

9. Working as **Senior Supervisor** at the Bharati Vidyapeeth University Examinations
10. **External senior supervisor** for the Bharati Vidyapeeth university examinations.
11. University Examination- **CET- 2010, 2011** at DELHI and HYDRABAD Centre Member of Bharati Vidyapeeth University department of student's welfare.
12. **Member of Library Committee** for B. V. Univ. College of Engineering
13. **External examiners** for Solapur, Pune, BATU, Mumbai, and Shivaji University.
14. Committee member for **Convocation, NBA, NAAC**, Blood donation camp.
15. Co-ordinator of **Inplant Training** Production Engg. Department.
16. Co-Coordinator of **faculty development program**, B.V.U.C. O.E .Pune
17. In –Charge of **departmental Library from 2006-2012**.
18. Departmental **Training and Placement** Coordinator activities for Third Year Students production branch 2007-08
19. Department **Time Table** In-Charge, B.V.U.C.O.E Pune (2007-08)
20. Co-ordinator of Robo- War, Symposium and box office Event in “**Bharatiyam**” at B. V. U. C. O.E. Pune 2007 to 2011.
21. Examiner, Paper Setter for various (Universities) subjects in **B-Tech and M-Tech**.

RECOGNITIONS:

1. Member of Research Advisory Committee SPPU University, Pune.
2. Examiner for **Ph.D. Research** works (Shivaji Univ. BATU, Mumbai, Solapur and Pune University)
3. **International Advisory Committee member:** 2nd International Conference on Science, Engineering and Management (**ICSEM-2021**) on 26th & 27th Aug 2021 in **Colombo, Sri Lanka**.International organized by Institute For Engineering Research and Publication **IFERP**.
4. **National Advisory Committee:** International Conference on Science Engineering and Technology (**ICSET-2020**), 6th -7th March 2020 Pune, **Maharashtra**.
5. **National Advisory Committee:** International Conference on sustainable Innovation in Civil and Mechanical Engineering (**ICSICME-2020**), 2nd -4th January 2020 SKN COE Pandharpur, **Maharashtra**.
6. **National Advisory Committee – 2nd International Conference on** “Advanced Technologies for Societal Applications-Techno-societal 2018. At **SVERI COEP** 18 Dec 18.
7. **National Advisory Committee:** International Conference on Innovation in engineering sciences, management, and Technology (**ICIESMT2029**), 12th -13th December 2019 SBJITMR, **Nagpur. Maharashtra**.
8. **Organizing committee member** for International Conference on Artificial Intelligence and Robotics (**ICAIR-2019**), 23-24th August 2019, Mumbai, India.
9. **Seed Money-Research Project evolution** for Solapur University, 2017-18,18-19,19-20
10. Expert talk on “**About Guiding NAAC Evolution**” at SKN Pandharpur on 4/9/2017.**Reviewer:** Journal of Engineering Science and Technology, (**School of Engineering, Taylor’s University Malaysia**)
11. **Reviewer: Materials today: Proceedings** (Elsevier)
12. Working as a member on **Editorial Board** of academic science, Editorial Board of journals (**AJMS**) and Reviewer of **IJIRT, IJMPERD and IJIRSET UGC approved journals**.
13. Subject expert Nominated by V.C in Mechanical Engineering on the **faculty Selection committee 9th June 2017** for the post of **Professor/Associate Professor** at NKO College of Engg Soalpur (**Solapur University**).
14. Subject expert in Mechanical Engineering on the **faculty Selection committee 24th May 2017** for the post of **Professor/Associate Professor** at YSPM College of Engg Satara (Shivaji University).
15. Subject expert **Nominated by V.C.** in Mechanical Engineering on the **faculty Selection committee 9th May 2017** for the post of **Professor/Associate Professor** at VVPT College of Engg Soalpur (**Solapur University**).
16. Subject expert Nominated by V.C in Mechanical Engineering on the **faculty Selection committee 13th May 2017** for the post of **Professor/Associate Professor/Assist. Professor** at SPSPM College of Engg Soalpur (**Solapur University**).

17. **Teacher Nominated by the vice chancellor** of Bharati Vidyapeeth University as a **Member of faculty** (2017-2019).
18. Recognition as **PhD guide (Mechanical Engg.)** of Bharati Vidyapeeth University Pune. (BVU/PHD/532/2014-15)
19. Subject expert in Mechanical Engineering on the **Faculty Selection committee** 2014-15 for the post of **Professor/Associate Professor/Assist. Professor of Pune University and Nagpur University.**
20. **Head, Unit Test Cell**, Bharati Vidyapeeth University College of Engg. Pune
21. **Member of Department advisory board (DAB)** for Sinhgad College of Engineering Pune.
22. Member of **Board of Studies, Mechanical and Production** Engineering of Bharati Vidyapeeth University, Pune.
23. **Secretary of Grievance committee** Bharati Vidyapeeth University College of Engg. Pune.
24. Recognized as a '**Post-Graduate Teacher**' by Bharati Vidyapeeth University, for PG. Mechanical Engineering.
25. Expert Visiting/**Adjunct Faculty** for Mechanical Engineering.
23. Worked as **Judge** of various National level technical symposiums in Mechanical/Production Engineering.
24. **Paper Setter, Moderator and Evaluator** for Pune University, Shivaji University, Solapur University and Bharati University Examinations.

RSOURCE PERSON TO SEMINARS/CONFERENCE/FDP/STTP/QIP:

1. **Keynote Speaker** at the prestigious Shelinspires Hackathon 2025 organized by Zensar at Kharadi.
2. Participated in the prestigious **Korea Edu Tour Roadshow** organized by the Korea Tourism Organization
3. MOCK NBA Member at SVERI College of Engineering Pandharpur, 19 Nov 2023.
4. **Reviewer: National Conference on Energy and Environment for Sustainable Development (NCSSESD-2022)** at Gov, College of Engineering Awasari, and Maharashtra, India held during 5-6 July, 2022.
5. **Chair Session – International Conference on Advances in Material Science Mechanical and Civil Engineering (ICAMMCE-2022)** on 14th -15th February 2022 at ADCET Sangali.
6. **Reviewer: International Conference on on Advances in Material Science Mechanical and Civil Engineering (ICAMMCE-2022)** on 14th -15th February 2022 at ADCET Sangali.
7. **Chair Session – International Conference on “Material, Energy and Environmental for Sustainable Development (ICMEED-2021)** 8th -9th January 2022. Pandharpur Maharashtra., Mumbai, India
8. **Chair Session: “International Conference on Computational Intelligence in Engineering Systems (ICCIES-2021)** at SKN Sinhgad College of Engineering, Pandharpur-413304, and Maharashtra, India held during 25-26 June, 2021.
9. **Reviewer:“International Conference on Computational Intelligence in Engineering Systems (ICCIES-2021)** at SKN Sinhgad College of Engineering, Pandharpur-413304, and Maharashtra, India held during 25-26 June, 2021.
10. **Keynote Speaker – International Conference and webinar on “Industry institute interaction” ICWIII-2021** on 12th & 13th June 2021. **VIT Nagpur, India.**
11. **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.
12. **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.
13. **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 Engineer, India.**
14. **Participate in Panel Discussion,** Third International Conference on Advanced Technologies for Societal Development: **Techno Societal 2020** on 11th and 12th of December 2020.
15. **Resource Person:** AICTE sponsored one Week STTP on “**Micromachining for future products at SIT College of Engineering, Yadra, Ichalkaranji, Kolhapur.** 15th Jan 2020.
16. **Invited Talk – 7th International on advancement and futuristic Trends in mechanical and materials Engineering (AFTMME2019)** on 5th -7th, 2019 at **IIT Ropar, India.**

17. **Chair Session – International Conference on** “Management, Engineering and Social Science (ICMESS-19) 23-24th August 2019, Mumbai, India
18. **Keynote Speaker – 2nd International Conference on** “Enhancement and innovations in Exploring Engineering ICEIEE 2019, on 12th July 2019 at **Kula Lumpur, Malesiya**.
19. **Chair Session – 2nd International Conference on** “Enhancement and innovations in Exploring Engineering ICEIEE 2019, on 12th July 2019 at **Kula Lumpur, Malaysia**.
20. **Keynote Speaker – 2nd International Conference on** “Advanced Technologies for Societal applications- Techno-societal 2018. At **SVERI COEP** 18 Dec 18.
21. **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.
22. **Chair Session** for national Conference on recent Trends in engineering and Technology (**VISHWACON 2019**).
23. **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.
24. **Chair Session – National Conference on** “Technological developments in Civil & Mechanical Engineering-NCTDCME-2018. At S.B.Patil C.O.Engg Indapur.15 March 2018
25. **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.
26. **Resource person-** One-week Short Term Training Program on **“Recent Trends in Interdisciplinary Research in Material Sciences”** Annaheb Dange College of Engineering and Technology, **Ashta, Sangli**, Maharashtra, 26th Dec 2017.
27. **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.
28. **Expert talk on “Advances in manufacturing”**SKN Sinhgad College of Engineering Korti, Pandharpur, 5 sept 2017.
29. **Expert Lecture on “Metal Forming Recent techniques”** G.H.Raisoni College of Engineering and Management, Ahamadnagar, 2/8/2017.
30. **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.
31. **Keynote address – International Conference on** “Advanced Technologies for Societal Applications- Techno-societal 2016. At **SVERI COEP** 20 Dec 16.
32. **Chair Session – International Conference on** “Advanced Technologies for Societal Applications-Techno-societal 2016. At **SVERI COEP**. 20 Dec 16
33. **Chair Session – International Conference on** “Material, Manufacturing, and Design Engineering- ICMM 2016. **BATU Lonere**, 21st Dec 16
34. **Chair Session – 6th International and 27th All India Manufacturing Technology, Design and Research Conference AIMTDR 2016.** Dec 16th-18th, 2016. **COE Pune**.
35. **Resource Person-ISTE approved one-week STTP on “Advances in Manufacturing Processes”** at Dr. Daulatrao Aher college of Engineering, Karad, 8th December 2016.
36. **Resource person:** AICTE Sponsored Two Week FDP on **“Advances in Micro- manufacturing”** at **Gov. College of Engineering Pune**, 11th June 2015.
37. **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.

AWARDS/ DISTINCTIONS:

1. Received the Principal of the Year Award for **Institutional Excellence** at HEIT Summit 2025 Pune.
2. CASIO Presents Education Leaders New Delhi, Awards for **Empowering Future Minds Innovation in Higher Education** on 21st February 2025.
3. **Fellow:** Maharashtra Academy of Science Dec 2023
4. **Fellow Member:** FIIET, Andhra Pradesh ,5 Sept 2023
5. **Young Associate:** Maharashtra Academy of Science Nov 2022

6. **JEWEL OF INDIA AWARD:** For Outstanding Achievements and Remarkable contribution in chosen of field of activity **14th May 2023 at New Delhi.**
7. **BHARAT EDUCANIST PURSKAR:** KTK Outstanding Achievers and Education Foundation presents on **1 May 2022 at New Delhi.**
8. **BEST RESEARCH AWARD:** Virtual International Awards on multidisciplinary research and Innovation GOV of Japan and India, **18 March 2022 at New Delhi.**
9. **BHARAT SHIKSHA GAURAV PURSKAR:** KTK Outstanding Achievers and Education Foundation in association with Helium Production both are renowned organizations presents on **20 February 2022 at New Delhi.**
10. **Certificate of Excellence:** KTK Outstanding Achievers and Education Foundation for Outstanding Achievements and Remarkable Contribution in the field of **Education** at New **Delhi 20 February 2022.**
11. **Best paper award:** S.S Pachpore, Pradeep V. Jadhav “3rd International e-Conference on Frontiers in Mechanical Engineering and nanotechnology (NPBBI2021) at Satybhama Institute of Science and technology in association with Indian association of applied microbiologists (IAAM) **California Institute of science and Medicine, USA.10-12 November 2021.**
12. **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.
13. Got “Award of Excellence” **National Conference on Design, Manufacturing, energy & Thermal Engineering (NCDMTE-17)** at Dr. Daulat Rao Aher college of Engineering, Karad, 7th January 2017.
14. **Award of the Grant- in-aid (R&D) (Rs.60, 000)** Received from IEI, August 2011.
15. Won second **prize** for paper presentation at 48th National Conference (IIIE), Bangalore, **2006.**
16. **NPTEL Online Certification** (MHRD. Gov of India) course completed on “**Advanced Manufacturing Processes**” IIT Kanpur (JAN-APR 2020)
17. **NPTEL Online Certification** (MHRD. Gov of India) course completed on “**Introduction to Mechanical Micromachining**” IIT Khargpur (JAN-APR 2019)
18. **NPTEL Online Certification** (MHRD. Gov of India) course completed on “**Design and Quality, management and Assembly**” IIT Madras (AUG-Sep.2018)
19. **NPTEL Online Certification** (MHRD. Gov of India) course successfully completed on “**Advanced Materials and Processes**” IIT Khargpur (July-Oct.2018)

COLLABRATION WITH INDUSTRY (MOU):

- **Memorandum of Understanding (MOU) 2014-15:** - **Bhartai 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, Wiello and TATA MOTORS etc.

PROGRAMS, SEMINARS, WORKSOPS, STTP, FDP ORGANISED, ATTENDED:

STTP	FDP	Workshops	Seminars	Total
22	17	15	05	59

STTP'S/FDP/SEMINARS/ATTENDED:

Sr. No	Name of course	Place	Duration
1	International symposium on “Oracle APEX Certification: Skill Enhancement, Career Advancement, and Training Pathways”.	Bharati Vidyapeeth Medical College Auditorium, Pune.	8 th March 2025
2	AICTE-funded ATAL FDP on "Effects of Climate Change and Effective Water Management" in collaboration with the National Institute of Hydrology, Roorkee, organized a six-day FDP.	Bharati Vidyapeeth's College of Engineering for Women, Pune.	28 th January to 3 rd February 2025.
3	FDP on Empowering Research Innovation and Proposal Writing and Patent Development BVCOEW, in collaboration with RSVP Research Hub, Coimbatore.	Bharati Vidyapeeth's College of Engineering for Women, Pune	23 rd to 28 th December 2024
4	ATAL Faculty development Program (FDP) on "Research Opportunities in Sustainable Development using GIS," .	Bharati Vidyapeeth's College of Engineering for Women, Pune	11 th to 16 th November 2024.
5	one-day symposium titled " Advances in Human-Robot Collaboration and AI-Driven Automation " was successfully organized on 21st October 2024 at the college. The event featured expert insights from Mr. Alexander Schwandt ,	Bharati Vidyapeeth's College of Engineering for Women, Pune	21 st October 2024
6	One week National Level Interdisciplinary short term Training Program on Exploring Quality research and its Societal impact	Dr. D. Y. Patil. Institute of Technology, Pimpri, Pune (R&D Cell)	9 th to 13 th October 2023
7	ISTE approved One Week national level FDP on “Recent Advance in Mechanical Engineering (RAME-23)	Dr. D. Y. Patil. Institute of Technology, Pimpri, Pune.	24 th to 28 th July 2023
8	AICTE Sponsored IIC Impact Lectures on Entrepreneurial Ecosystem	PCCOE Pune	27 th August 2022
9	One Week Short Term Training Program (Online) on Experimental Methods in Engineering (TEQIP)	Government College of Engineering, Karad	5 th to 9 th July 2021
10	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
11	Seminar on Challenges in Rapid Quality Assurance for Additive Manufacturing	Excell 3D, UK	7 July 2020
12	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
13	Webinar on Introduction to Lab View	SRCOEM, Nagpur	7 May 2020

14	NAAC Awareness Program for Faculty	MMIT, Lohgaon, Pune	8-14 May 2020
15	International Faculty awareness Program	JSPM'S Pune	11 -15 May 2020
16	Training on Systematic Innovation Through TRIZ	GGSCE&RC, Nashik	15-17May 2020
17	Webinar on Startup lifecycle and Patent Registration	Atharv C.O Engg. Mumbai.	18-19 May 2020
18	IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs	Online	28 th April to 22nd May 2020
19	FDP on Python 3.4.3	PVG Pune	25-30 May 2020
20	Design, Simulation and Development of Unmanned Aerial Vehicles (Drones) and applications in various Engineering Sectors.	NAFMES and RIT Islampur	30April -4 th May 2020
21	Fuzzy Logic and Neural Network Approaches for Engineering solutions	JAER and Hexacube India	29-30 April 2020
22	Design of experiments: an engineering Perspective	JAER and Hexacube India	22-24 April 2020
23	FDP Manufacturing Process Technology I, II (NPTEL)	IIT Kanpur	20 Jan 20-April 2020
24	Introduction to intellectual Property	BVUCOE Pune-43	7 Jan 2020
25	FDP on Robotics (ATAL)	IIIT Pune	7 Dec-11Dec 19
26	FDP on Introduction of mechanical micromachining process	IIT Kharagpur	JAN-APR 2019
27	Workshop on “Online Grievance Redressal system”	Medical College Centre for Health and Mgmt. Studies & Research Pune	15 th Jan 2019
28	4 th Annual for TRIZ or X (patent (Circumvention)	Pune	30 Nov 18
29	FDP on Design for Quality, Manufacturing and Assembly	IIT Madras	AUG-Sept 2018
30	FDP on Advanced Materials and Processes	IIT Kharagpur	July-Oct 2018
31	Metal 3D Printing	Le Meridien Hotel Pune	15 May 2017
32	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
33	FDP On “Pedagogy to synergy: An innovative approach for progressive education”	BVU C. O.E Pune-43	16 th – 19 th March, 2017
34	Seminar on Springer Nature	B.V.U.C.O.E Pune	7 th March, 2017
35	Seminar on Achieving Make in India through Manufacturing Advancement	AISSMS COE Pune	20-21 Jan 2017

36	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.
37	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.
38	“PLC, SCADA and HMI”	B.V.U.C.O.E Pune-43	18 th - 23 rd Jan, 2016
39	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
40	Workshop on “Secrets of Guru”	B.V.U.C.O.E Pune43	7-8 th August, 2015.
41	AICTE sponsored 2 weeks programme on FDP “Advances in Micro-manufacturing”	Govt. College of Engineering Pune.	1-12 June 2015.
42	TEQIP Workshop on MEMS & NEMS (Design and Fabrication)	I.I.T, Hyderabad.	15-19 Dec 2014.
43	TEQIP-II Sponsored Workshop on “Understanding the mind conditioning ourselves through EFT”	B.V.U.COE Pune-43	19 th July 2014.
44	TEQIP-II Sponsored Workshop on “Advance Cloud Computing”	B.V.U.COE Pune-43	2 nd - 4 th Jan 2014.
45	Faculty Development Programme on “Quality Improvement Schemes of Various Funding Agencies”	B.V.U.M.C Pune-43	19 th October 2013.
46	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.
47	AICTE sponsored short term course on “Emerging Technology in Micro and Nano Manufacturing”	Defense Institute of Advanced Technology, Pune.	12-14 June 2012.
48	National Workshop on Manpower development in Petroleum Engineering (NWMDPE 2010)	I.I.T. MADRAS	18- 21 Nov. 2010
49	One day seminar on Mathematical Methods for Research in engineering sponsored by ISTE.	AISSMS- IOTT. Pune.	26 th April 2010
50	AICTE sponsored short term course on “Micromachining”	I.I.T. Bombay	8 – 13 th June, 2009.
51	MHRD sponsored Short Term Training Programme (STTP) on Digital Factory,	N.I.T. Warangal	25Aug-6 th Sept 2008.
52	AICTE, DST & BARC sponsored short term course on Micromachining	I.I.T. Bombay	2 nd - 7 th June, 2008
53	AICTE sponsored short term course on “Micromachining Manufacturing”	I.I.T. Guwahati,	24 th -28 th Feb, 2008.
54	Introduction to MATLAB	B.V.U.C O.E Pune43	27-29 Dec 2007
55	Participated in a Workshop on “Micromachining and Micro fabrication”	J.N.Tata Auditorium, I.I. Sc, Bangalore.	4-6 th October 2007.
56	AICTE & BARC sponsored short term course on Micromachining	I.I.T. Kanpur	18th -23 rd June 2007.
57	Industrial training at Crompton Greaves	Aurangabad	3-5 Oct 2006.

58	“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
59	Industrial training at Crompton Greaves	Kanjur Marg, Mumbai, 400042	27-29 Jan 2006

PROFESSIONAL COURSES

- ❖ Certificate Course in I-Deas CAD Know train Engineering Pvt. Ltd. Kolhapur
- ❖ Certificate Course in MATLAB from COEP.
- ❖ Certificate Course in NPTEL/FDP

PERSONAL DETAILS:

Contact Address : Chandrai Spandan, Sr, No.74/3/3 Near Narayani Dham Mandir Katraj, Pune - 411046 (Maharashtra – India)

Date of Birth : 22nd March 1978

Strengths : Team Leader, Pertinacity, Good at learning new things

Hobbies : Reading/ learning spiritual practices, wrestling

References:

Sr.No.	Name	Email/Cell No.
1	Prof. Dr. V K Jain (Prof. Retired) Dept of Mechanical Engineering Indian Institute of Technology Kanpur-208016 (India)	vkjain@iitk.ac.in , vkj.iitk@gmail.com 9336225336
2	Prof. Dr. J.Ramkumar Dept of Mechanical Engineering Indian Institute of Technology Kanpur-208016 (India)	jrkumar@iitk.ac.in 9451220918
3	Prof. Dr. Bharatkumar Bhagatraj Ahuja Director, COEP & Professor Gov. C.O. Engg. Pune (India)	director@coep.ac.in 9422322522
4	Dr. Mamilla Ravi Sankar IIT Tirupati Tirupati -517506, Andhra Pradesh, India	evmrs@iittp.ac.in , ravisankarm@gmail.com Mobile No.:8638393843
5	Prof. Dr. D.S.Bilgi Director of Jaywant savant college of Engineering Pune Professor, Department of Mechanical Engineering , JSPM, Pune	dsbilgi@yahoo.com dsbilgi@gmail.com 8007910636
6	Dr. Y. Ravi kumar (Professor) Dept of Mechanical Engineering NIT Warangal	vrk@nitw.ac.in 9440868867
7	Mr. K.H.Gaikwad Vice-President – HR, <i>Atlas Copco India Ltd.</i> , Pune. 411012.	kabir.gaikwad@in.atlascopco 7507042836



Dr. Pradeep Vitthal Jadhav

PRINCIPAL

Ph.D. (Mechanical Engg.), FMASC, FLMIET, MSAEINDIA

Bharati Vidyapeeth's College of Engineering for Women, Pune-43.

E-mail: pradeep.jadhav@bharatividyapeeth.edu, [pjadhav_19@rediffmail.com](mailto:pvjadhav_19@rediffmail.com)

Website: <http://coewpune.bharatividyapeeth.edu> .Cell No.: - 9665696022/8975406946

Phone: +91 20 24361732 Fax: +91 20 24372210