

## Faculty Profile

- **Faculty Name** : Dr. Pravin Anandrao Pawar
- **Designation** : Assistant Professor
- **Department** : Mechanical Engineering
- **Mobile No.** : 8551085980
- **Email Id.** : drpravinpawar7@gmail.com

### • Educational Qualification

Sl.	Degree	University	Class
1	B.E.- Production Engineering	Shivaji University, Kolhapur	Distinction
2	M.Tech.- Production (Manufacturing Engineering and Automation)	College of Engineering Pune (COEP)	Distinction
3	Ph.D. Manufacturing Engineering	National Institute of Technology (NIT) Jamshedpur	Awarded

### • Professional experience:-

**Total experience in years:-7.5**

**Teaching: - 2.5**

**Industrial: -**

**Research: -05**

Sl.	Organization	Post	Period
1	Ashokrao Mane Group of Institutions, Vathar	Assistant Professor	16 April 2021 to Till Date
2	Metropolitan Institute of Technology and Management, Sindhudurg	Assistant Professor	1 Feb 2019 to 6 April 2021
3	National Institute of Technology (NIT) Jamshedpur	Full Time Research Scholar	Jan 2014 to December 2018
4	Adarsh Institute of Technology and Research Centre, Sangli	Assistant Professor	1 July 2013 to 21 December 2013

### ➤ Subject Taught:-

Undergraduate Subjects			
1	Production Process I and II	2	Industrial Engineering and Management
3	Mechatronics	4	Total Quality Management
5	Foundry Technology	6	Design of Jigs and Fixture
7	Industrial Automation and Robotics		

- **Project Work at U.G.:-** Design and Manufacturing of Planetary Gear Box Plate Bending Machine.
- **Project Work at P.G.:-** Feasibility study of Fabrication of Electro Discharge Machining Electrodes by FDM Rapid Prototyping Process.
- **Project Work at Ph.D. :-** Experimental Investigation of Machining of Non-conducting

Materials using Electrochemical Discharge Machining.

➤ **Research Area of Interest:-** Conventional and Non-conventional machining processes.

➤ **Paper Presented in National & International Conference:-**

Sl.	Title	Name of Conference & Institute	Type* (NC/IC)	Date
1	Finite Element Method Analysis of Electrochemical Discharge Machine Using Explicit Dynamics ANSYS	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), College of Engineering., Pune, Maharashtra, India	IC	16-18 December, 2016
2	Machining Processes of Pyrex Glass: A Technological Review	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), College of Engineering., Pune, Maharashtra, India	IC	16-18 December, 2016
3	The effect of Magnetic Field Assisted electro discharge machining process: An overview	International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-9), at IIT Bombay, Powai, Mumbai.	IC	10-12 December, 2015
4	Review on research trends in Electrochemical Discharge Machining	4 <sup>th</sup> National Conference on Recent Advances in Manufacturing (RAM-2014), Department of Mechanical Engineering, S.V.N.I.T. Surat, Gujrat.	NC	26-28 June 2014
5	A review on Machining Process of Alumina and Alumina Composite Ceramics	International Conference on Industrial, Mechanical and Production Engineering: Advancements and Current Trends (ICIMPCT), Department of Mechanical Engineering, MANIT, Bhopal, M.P.	IC	27-29 November 2014
6	Measurement Analysis in Electrochemical Discharge Machining (ECDM) Process	4 <sup>th</sup> National Conference on Advances in Metrology (ADMET), CSIR-CMERI, Durgapur	NC	25-27 February 2015
7	Feasibility study of Fabrication of Electro Discharge Machining electrodes by FDM Rapid Prototyping Process	International Conference and All India Manufacturing Technology, Design & Research (AIMTDR) 2012 Held at Jadavpur University, Kolkata.	IC	13-15 December 2012

\*NC- National Conference

IC- International Conference

➤ **Paper Published in National & International Journal:-**

Sl.	Title	Name of Journal	Type* (NJ/IJ)	Date	ISSN No.
1	Machining Processes of Silicon Carbide: A Review	Reviews on Advanced Materials Science ( <b>SCIE</b> )	IJ	July 2017	ISSN : 1605-8127
2	Experimental Study on The MRR, Machined Depth And Hole Diameter For Soda-Lime Glass by Electrochemical Discharge Machining Process with Copper Tool	International Journal of Modern Manufacturing Technologies ( <b>Scopus</b> )	IJ	June 2020	ISSN: 2067-3604
3	Grey Relational Analysis Optimization of Input Parameters for Electrochemical Discharge Drilling of Silicon Carbide by Gunmetal Tool Electrode	Annales de Chimie - Science des Matériaux ( <b>Scopus</b> )	IJ	August 2020	ISSN:- 0151-9107
4	Parametric Analysis of Electrochemical Discharge Drilling on Soda-Lime Glass Material Using Taguchi L <sub>27</sub> Orthogonal Array Method	Strojnícky časopis-Journal of Mechanical Engineering ( <b>Scopus</b> )	IJ	May 2019	ISSN:- 2450-5471
5	Analysis of Machining For Silicon Carbide on Electrochemical Discharge Machining With Brass Tool	International Journal of Modern Manufacturing Technologies ( <b>Scopus</b> )	IJ	Dec. 2019	ISSN: 2067-3604
6	Development and Manufacturing of Arduino Based Electrochemical Discharge Machine	Journal of Machine Engineering ( <b>Scopus</b> )	IJ	March 2018	ISSN: 1895-7595
7	Material Removal Analysis of Soda-lime glass by using Electrochemical Discharge Drilling Process	Asian Journal of Chemistry ( <b>Scopus</b> )	IJ	Feb. 2018	ISSN: 0970-7077
8	Material Removal And Tool Wear Analysis by ECDM Drilling of A Mosaic Ceramic Material	International Journal of Modern Manufacturing Technologies ( <b>Scopus</b> )	IJ	June 2017	ISSN: 2067-3604
9	Micromachining of Borosilicate Glass: A State of Art Review	Materials Today: Proceedings ( <b>Elsevier</b> ) ( <b>Scopus</b> )	IJ	April 2017	ISSN: 2214-7853
10	Revolutionary Developments in ECDM Process: An Overview	Materials Today: Proceedings ( <b>Elsevier</b> ) ( <b>Scopus</b> )	IJ	Sept. 2015	ISSN: 2214-7853

11	Micro Nano Machining Processes of Glass Ceramic Zerodur: A Short Communication	OSA Technical Digest ( <b>Optical Society of America</b> ), W3A.67. ( <b>Scopus</b> )	IJ	Dec. 2016	2160-9098
12	Machining Processes of Sapphire: An Overview	International Journal of Modern Manufacturing Technologies ( <b>Scopus</b> )	IJ	June 2017	ISSN: 2067-3604
13	Finite Element Method Broach Tool Drilling Analysis Using Explicit Dynamics Ansys	International Journal of Modern Manufacturing Technologies ( <b>Scopus</b> )	IJ	Dec. 2016	ISSN: 2067-3604
14	Review on Material Removal Technology of Soda-Lime Glass Material	Indian Journal of Science and Technology ( <b>Web of Science</b> )	IJ	Feb. 2017	0974-6846

\* NJ- National Journal

IJ- International Journal

➤ **No. of Project Guided at U.G. Level:-** 02

➤ **No. of Project Guided at P.G. Level:-**

➤ **STTP/FDP/Workshops/Attended/Participated:-**

Sl.	Name of STTP/FDP/workshop	Institute	Date
1	Analysis and Design of Structure in Fire.	National Institute of Technology, Jamshedpur, conducted by GIAN	9-13 October 2017
2	Mechanics over Micro and Nano Scales.	Indian Institute of Technology, Kharagpur, sponsored by TEQIP II	29-31 March 2017
3	Green Chemistry and Sustainable Development.	National Institute of Technology, Jamshedpur, sponsored by TEQIP II	17-18 March 2017
4	Emerging Trends and Future Challenges in Power System Operation & Control.	National Institute of Technology, Jamshedpur	20-24 <sup>th</sup> June 2016
5	Aesthetics of Technical Writing Latex.	National Institute of Technology, Jamshedpur, sponsored by TEQIP II	10-11 January 2015
6	Micromanufacturing.	Jadavpur University, kolkata Under Center of Advanced Study ( CAS PH IV) Program University Grants Commission New Delhi	27-29 March 2014
7	Product Development: Concepts, Methods & Applications.	Indian Institute of Engineering Science and Technology, Shibpur Under (TEQIP)-II	16-17 October 2014
8	Micromachining.	Modern College of Engineering, Pune sponsored by University of Pune.	22 January 2011
9	Entrepreneurship.	College of Engineering Pune (COEP)	5-18 October 2011
10	CII-SIMBIOSIS Finishing School Training.	ELTIS, Simbiosis, Pune.	20 August to 18 October 2011
11	Practical Approach to Machine Desing and Development,	College of Engineering Pune (COEP)	27-30 August 2010

12	Management Development programme on Managerial Effectiveness & CRM For Business Success.	SIBER, Kolhapur	13-17 July 2009
13	Effective And Efficient Online Teaching In The Age Of Corona, A Hands On Workshop”	Teaching Learning Centre (ICT) At IIT Bombay, (PMMMNMTT), MHRD, Govt. Of India	17 May 2020
14	Two Days Webinar On Research Paper Writing And Intellectual Property Rights	Rajarambapu Institute Of Technology, Rajaramnagar, Sangli	18-19 May 2020
15	The Bodhitree And SAFE Tools For Effective Online Teaching: A Hands-On Workshop	Teaching Learning Centre (ICT) At IIT Bombay, (PMMMNMTT), MHRD, Govt. Of India	18-24 June 2020
16	Innovation, Entrepreneurship And Its Relevance In Industry 4.0 Practices In The Post Covid-19 Situation	Terna Engineering College, Nerul, Mumbai	25-29 May 2020
17	Evolution From Offline To Online Teaching	Satish Pradhan Dnyanasadhana College, Thane	30 May 2020
18	Recent Trends In Automobile	Shriram Shikshan Sanstha’s Shriram Institute Of Engineering & Technology, Paniv	1-3 June 2020
19	Effective Use Of ICT Tools In Teaching Learning Progress”	Government Polytechnic, Malvan	8-12 June 2020
20	Exploring The Dimensions Of Innovation, Incubation And Emerging Technologies To Embrace Post COVID Changes”	Finolex Academy of Management & Technology, Ratnagiri	8-12 June 2020
21	Alternative Assessment And Evaluation In Teacher Education”	Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya Wardha, Maharashtra(PMMMNMTT)	15-16 June 2020
22	Managing The Unlock Down In India	S.A. Engineering College, Chennai	16-23 June 2020
23	Recent NAAC Procedures For Assessment And Accreditation	Rashtriya Uchchar Shiksha Abhiyan, Maharashtra And Joint Director, Higher Education, Nagpur	17 June 2020
24	The Bodhitree And SAFE Tools For Effective Online Teaching: A Hands-On Workshop	Teaching Learning Centre (ICT) At IIT Bombay, (PMMMNMTT), MHRD, Govt. Of India	18-24 June 2020
25	Leadership And Governance From NBA Perspective	Rajarambapu Institute Of Technology, Rajaramnagar (RIT) & Global Engineering Dean’s Council India Chapter (GEDC India Chapter)	23 June 2020
26	Coal-Based Power Generation-The Future Scenario, Talk on EHV Circuit Breakers & Electrical Engineering In Industry	Bharat Institute of Engineering And Technology, Telangana	25-29 June 2020

27	Indo-German Bilateral Funding Programmes For Advanced Industrial Research	Indo-German Science And Technology Center, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India	26 June 2020
28	Outcome Based Education & NBA	Shree L. R. Tiwari College Of Engineering Kanakia Park, Mira Road(East), Thane, AICTE	29 June -3 July 2020
29	CAD CAM And CNC Programming	Guru Nanak Institute Of Technology, Nagpur	29 June 2020
30	Pedagogical Training For Teachers On Tools For Online Teaching Learning And Evaluation	Swami Ramanand Teerth Marathwada University, Nanded	1 - 6 July 2020
31	Learning By Performing Through Virtual Lab	Institute Of Engineering And Technology Dr. Rammanohar Lohia Avadh University, Ayodhya, U.P.	1 - 5 July 2020
32	Research Methodology And Techniques	Sandip Institute of Engineering And Management, Trimbak Road, Mahiravni, Nashik	4 -6 July 2020
33	Hybrid Manufacturing Processes: Opportunities And Challenges	Dr. B. R. Ambedkar National Institute of Technology, Jalandhar	06 - 10 July, 2020
34	Internet of Things (Iot) – Industrial Perspective	Bharati Vidyapeeth's Institute Of Computer Applications And Maagement, (BVICAM), New Delhi	11 July 2020
35	Employability Post COVID Era: Expectation Of Industry Vs Education Systems Preparedness	ISHRAE, Pune Chapter	11 July 2020
36	Development Programme on Innovative Approaches In Management	Bharati Vidyapeeth, College of Engineering, Pune	13-19 July 2020