Dr. MAHENDRA U GAIKWAD

(D.M.E., B. E ., M . E., Ph . D.-Mechanical Engineering)

(Teaching & Research in areas- Modern Machining processes, Surface Characterization Techniques, Smart Material Alloys, Optimization (JAYA), Additive manufacturing, Author and editor in book, Special issue Journals, Reviewer in journal and conferences)

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Maharashtra, India
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mugaikwad@me.vjti.ac.in

Personal Data:

Date of Birth: 28-02-1989
Age: 36 Years
Gender: Male
Nationality: Indian
Marital Status: Married
Languages Known: English,Hindi, Marathi
Father's Name: Uttam Gaikwad

- **Research Gate:** https://www.researchgate.net/profile/Mahendra-Gaikwad-/research
- **Google Scholar:** https://scholar.google.co.in/citations?user=XsK93i8AAAAJ&hl=en
- **Scopus ID:** 7208316918
- **ORCID iD:** http://orcid.org/0000-0003-2552-1518
- **Web of Science Researcher ID:** AAA-1156-2021

Objective

Learn and function effectively in the teaching sector and be associated with progressive institute that gives me the chance to update my knowledge and skills accordance with latest trends, be a leader of team, to work hard for the welfare of Institute, Students, and Society

Educational Qualifications

2017-2022 PhD-Mechanical Engineering
Sathyabama Institute of Science & Technology, Chennai, Tamil Nadu, India

2011-2013 M.E.-Mechanical-Design Engineering,
Walchand Institute of Technology, Solapur, Maharashtra, India
Affiliated to Solapur University
Aggregate: **65.77% (First Class)**

2007-2011 B.E., Mechanical Engineering, Walchand Institute of Technology, Solapur, Maharashtra, India
Affiliated to Solapur University
Aggregate: **68.40% (First Class)**

2004-2007 Diploma in Mechanical Engineering, S.E.S Polytechnic, Solapur, Maharashtra, India
Affiliated to MSBTE, Mumbai, India
Aggregate: **69.08% (First Class with Distinction)**

Computer Proficiency:- *Operating System: Windows-XP/7/10 Office tools: MS-Office-2007/2010*

Software Known: CATIA, ANSYS, MATLAB

Area of Interest

Modern Machining processes, Surface Characterization Techniques, Smart Material Alloys, Additive Manufacturing.

Work Experience: Teaching Experience: 11Years and 7Months

1 Assistant Professor,
Department of Production Engineering,
Veermata Jijabai Technological Institute (VJTI), Mumbai, Affiliated to University of Mumbai, Maharashtra, India.
Period: - 11th July 2025 to till date

2 Assistant Professor,
Department of Mechanical Engineering,
Veermata Jijabai Technological Institute (VJTI), Mumbai, Affiliated to University of Mumbai, Maharashtra, India.
Period: - 1st August 2024 to 30th June 2025
Work Experience: - 11 months

3 Assistant Professor, (Full Time- Regular)
Department of Mechanical Engineering,
Jaywant Shikshan Prasarak Mandal (JSPM), Narhe Technical Campus, Pune, Maharashtra, India (Affiliated to Savitribai Phule Pune University, Pune).
Period:- 1st June 2016 to 31st July 2024.
Work Experience: 8Years

4 Assistant Professor,
Department of Mechanical Engineering,
Dattakala Group of Institutions, Faculty of Engineering (DGOI, FOE), Bhigwan, Pune, Maharashtra, India (Affiliated to Savitribai Phule Pune University, Pune).
Period : 1st June 2014 to 31st May 2016
Work Experience: 2Years

5 Assistant Professor,
Department of Mechanical Engineering,
Bharatratna Indira Gandhi, College of Engineering (BIGCE), Kegoan, Solapur, Maharashtra, India (Affiliated to Solapur University, Solapur).
Period : 26th June 2012 to 31st July 2013
Work Experience: 1Years

Project undertaken during studies

PhD:

Topic: Experimental Investigation of Surface Integrity Parameters in Electrical Discharge Machining (EDM) Process
Supervisor: Dr. Krishnamoorthy A, Professor, Mechanical Engg. Dept., Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu, India

Place ofwork: Kakade Laser Industry (Multinational Industry), Narhe Industrial Area, Pune, Maharashtra, India

M .E:

Topic: Static and Dynamic Analysis of End Mill Tool for Chatter Vibration Reduction

Supervisor: Dr. P.R. Kulkarni, Associate Professor, Mech. Engg. Dept., WIT, Solapur,

Maharashatra, India

Place of work: Morval Industries, Solapur, Maharashatra, India

B.E:

Topic: Implementation of lean Manufacturing Technique at Laxmi Oil Pump Industry, Solapur

Supervisor: Dr. P.R. Kulkarni, AssociateProfessor, Mech. Engg. Dept., WIT, Solapur, Maharashatra, India.
Place of work: Laxmi Oil Pump Industry, Hotgi Road, Solapur, Maharashtra, India

Publications (25): **(WoS-6, Scopus-10, Book Chapter- 2, Books-4, International Conference- 3 & National Conference-1, Patents- 5, UGC Journals - 10)**

Web of Science Indexed Publications:

1. **Mahendra U. Gaikwad**., Krishnamoorthy, A., Jatti, V.S. (Feb 2020) Investigation on effect of process parameter on surface integrity during electrical discharge machining of NiTi 60, *Multidiscipline Modeling in Materials and Structures, https://doi.org/10.1108/MMMS-10-2019-0179* **[IF-0.7, SCIE, Scopus-Emerlad]**
2. **Mahendra U. Gaikwad**., Krishnamoorthy, A., Jatti, V.S. (Mar 2019) Investigation and optimization of process parameters in electrical discharge machining process for NiTi 60, Material Research Express, https://iopscience.iop.org/article/10.1088/2053- 1591/ab08f3 . **[IF-1.449, SCIE, Scopus]**
3. **Mahendra Gaikwad,** Nitin Ambhore, Amit Patilc ,Yogita Sharmad, Akshay Manikjade, Predictive Modeling and Optimization of Dry Turning of Hardened Steel, International Journal on Interactive Design and Manufacturing, https://doi.org/10.1007/s12008-023-01615-y **[IF-2.1, ESCI, Scopus]**.
4. **Mahendra U. Gaikwad,** Krishnamoorthy A, Vijaykumar S. Jatti, Nitin Ambhore, Fatigue analysis of electro discharge machined Nitinol 60, Innovation and Emerging Technologies, Vol. 10, 2340009 (2023), https://doi.org/10.1142/S2737599423400091 **[ESCI, Scopus]**.
5. **Mahendra U. Gaikwad** ,S. V. Nishandar, A. T. Pise, P. M. Bagade, & Amanpreet Singh Computational Modelling and Analysis of Heat Transfer Enhancement in Straight Circular Pipe with Pulsating flow, Int J Interact Des Manuf (2024). https://doi.org/10.1007/s12008-024-01907-x **(IJIDeM, SCI, IF-2.2)**. https://link.springer.com/article/10.1007/s12008-024-01907-x#citeas
6. **Gaikwad, M. U**., Khan, M. A. J., Pohekar, S. D., Bagade, P. M., & Singh, M. (2024). CFD analysis of NACA 4415 marine propeller ducts for

managing flow separation. International Journal on Interactive Design and Manufacturing (IJIDeM), 1- 13. https://link.springer.com/article/10.1007/s12008-024-01988-8 (**IJIDeM, SCI,IF-2.2**).

Scopus Indexed Publications:

1. **Mahendra U. Gaikwad**, A Krishnamoorthy, V. S. Jatti, (Jun 2021) Investigating the influence of electrical discharge machining process parameter on fatigue strength during machining of titanium grade-2, *Volume 46, Part 18,* pp. 8951-8957, Materials Today: Proceedings, https://doi.org/10.1016/j.matpr.2021.05.367 . **[Scopus]**
2. **Mahendra U. Gaikwad,** A Krishnamoorthy, V. S. Jatti, (Apr 2021) Implementation of Jaya algorithm for Process Parameter Optimization during EDM Processing of NiTi 60 Alloy, Volume 47, Part 16, pp. 5701-5708, Materials Today: Proceedings, *https://doi.org/10.1016/j.matpr.2021.04.157.***[Scopus]**
3. **Mahendra U. Gaikwad.,** Krishnamoorthy, A., Jatti, V. S. (Jun 2020) Predictive Analysis of Material Removal Rate During EDM Machining of Niti60 Alloy Using Taguchi Technique and Empirical Modeling: Comparative Investigation, *International Journal of Mechanical and Production Engineering Research and Development, 10 (3): 5901- 5910.* **[IF-0.09, Scopus]**
4. **Mahendra U. Gaikwad**., Krishnamoorthy, A., Jatti, V.S. (Apr 2020) Predictive analysis of Surface Roughness during EDM machining of NiTi60 alloy using Taguchi technique and Empirical Modeling: A Comparative Investigation, *International Journal of Advanced Science and Technology 29(8s), pp. 1745-1753.* **[IF-0.41, Scopus]**
5. **Mahendra U. Gaikwad**., Krishnamoorthy, A, Jatti, V. S., (Nov 2019) Process Parameters Optimization Using Jaya Algorithm during EDM Machining of NiTi60 Alloy, *International Journal of Scientific & Technology Research 8 (11), pp. 1168-1174.* **[Scopus]**
6. **Mahendra U. Gaikwad.,** Nitin Ambhore., S.S. Bhosale. (Dec 2022) Fatigue Strength Evaluation during EDM Machining of Titanium alloy *Techno-Societal 2022, https://link.springer.com/chapter/10.1007/978-3-031-34644-6_66* **[Scopus-Springer Publisher]**.

7. Mahendra U. Gaikwad, P. Gaikwad, Nitin Ambhore, Ankit Sharma, Shital S. Bhosale Powder BED Additive Manufacturing using Machine Learning Algorithms for Multidisciplinary Applications: A Review and Outlook, Recent Patents on Mechanical Engineering, Bentham Science Publisher (2024). https://doi.org/10.2174/0122127976289578240319102303 [Scopus].
8. Mahendra U. Gaikwad Tukaram Sargar, Nitish Kumar Gautam, Aniket Jadhav, "A Comparative Investigation of Kerf Width during CO2 and Fiber Laser Machining of Kerf Width during CO2 and Fiber Laser Machining of SS 316L Material", 13th Dec. 2024. (Recent Patents on Mechanical Engineering, Bentham Science Publisher (Scopus Indexed). http://dx.doi.org/10.2174/0122127976341322241029085727

9. **Mahendra U. Gaikwad**, Pradeep Gaikwad, Ankit Sharma, Shital Bhosale, Powder Based Additive Manufacturing Using Machine Learning Algorithms for Multidisciplinary Applications: A Review and Outlook, Recent Patents in Mechanical Engineering, Volume 18, Issue 1, 2025, 8th April 2024) **[Scopus-Bentham Science Publisher].**

10. **Mahendra Gaikwad,** Ragavanantham Shanmugam, Muthuramalingam Thangaraj, Monsuru Ramoni, , "Enhancing the Performance Measures of Abrasive Water Jet Machining on Cutting Titanium Alloy Specimens" **Paper No:** IMECE2024-145330, V002T03A032; 4 pages. https://doi.org/10.1115/IMECE2024-145330 **Published Online:** January 23, 2025.

Books Chapters (3) and Book (3)

Book Chapter:

1. **Mahendra U. Gaikwad**, A Krishnamoorthy, V S Jatti, (2021) Semi-Empirical Modeling and Jaya Optimization of White Layer Thickness during Electrical Discharge Machining of NiTi Alloy, *Metaheuristic Algorithms in Industry 4.0*, 127-138, *https://doi.org/10.1201/9781003143505.* **[Scopus Indexed- CRC Press Taylor and Francis Publisher]**
2. **Mahendra U. Gaikwad**., Krishnamoorthy, A., Jatti, V. S., (2020) Estimation of Surface Integrity Parameters in Electrical Discharge Machining (EDM) Process-A Review, *Techno-Societal 2018, 601-614.* [**Springer Publisher].**

Books:

1. **Dr. Mahendra U. Gaikwad**, Sharad Dikule, Sushant There, Experimental

Investigation of Process Parameter in EDM Process, First Edition: 2022, **Lap Lambert Academic Publishing. ISSN: 2394-3696.**

2. **Dr. Mahendra U. Gaikwad**, Dr. Arpana Parihar, Dr. Raju Khan, **Advanced Material Production, Chacterization for Multidisiplinary Applications**, **Taylor and Francis CRC Press. https://doi.org/10.1201/9781003451198** 1st Edition, 2024. eBook ISBN9781003451198
3. **Dr. Mahendra U. Gaikwad**, Dr. Mohankumar Pradhan**, Manufacturing in the Digital Age,** Taylor and Francis, CRC Press **(Book proposal accepted, book editing project is running).**
4. **Dr. Mahendra U. Gaikwad,** Ankit Sharma, Muthuramalingam Thangaraj and Sachin Salunkhe, "Smart Manufacturing Technologies & Industrial Engineering in the Digital Age" **(Book proposal accepted, book editing project is running).**

Patents (5) (Published-5): National Patent -4, International Patent -1

National Patent:

1. Biplab Kumar Sarkar, **Mahendra Uttam Gaikwad** , Pradip Kharat, Shubhangi Jadhav, "IJM- System: Intelligent/Smart Juicer Making System, Application No. 201821008730.
2. Kishor Bhaskar Waghulde, **Mahendra Uttam Gaikwad**, Prof. Satish Baburao Satpal, IPM- Machine: Intelligent Paratha MakerMachine, Application No. 201821015640.
3. **Mahendra Uttam Gaikwad**, Nitin Balkrishna Chaphalkar, Sayali Sandbhor, Pravin Kumar Shinde, Waste Plastic Convert into Color Tiles.
4. **Mahendra Uttam Gaikwad**, Pawar, Helmet-Aid-System:Accidental Information Detection System, Application No. 201921000815A, Date of Filing: 04/10/2019, Publication Date: 9/4/2021.

International Patent:

5. Biplab Kumar Sarkar, **Mahendra Uttam Gaikwad**, Intelligent Printer System To Removes Text On Paper and Reuse Paper Ink, Application No. 201821025143, Date of Filing: 04/10/2019, Publication Date: 9/4/2021.

International Conference:

1. **Mahendra U. Gaikwad**, Muthuramaligam Thangaraj, Ranghanananatham S.,

Experimental Investigation of Additively Manufactured AlSi10Mg alloy via L-Powder Fusion Bed process, (Article submitted under review) **IMECE2024 in Portland, Oregon, United States.**

2. P.R. Kulkarni, **Mahendra, U. Gaikwad**.(March 2014) Static and Dynamic Analysis of End Mill Tool for Stability, 3rd Annual International Conference on Material Processing & Characterization on 8-9 March 2014 organized by GRIET, Hyderabad, India, *Advanced Materials Manufacturing & Characterization* Volume 3 Issue 1,pp.341-343 [Indexed by Crossref].

National Conference:

1. **Mahendra.U. Gaikwad** , Sharad Dikule , Shubham There , Adesh Hande, (2018) A Review on - Experimental Investigation of Process Parameters in EDM Process, 1 st National Conference On Recent Innovations in Mechanical Engineering (NCRIME-2018), IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) pp.72-77, e-ISSN: 2278-1684,p-ISSN: 2320-334X.

UCG International Journal Publications:

1. **Mahendra .U. Gaikwad**, P.R. Kulkarni. (February 2013) Static and Dynamic Analysis of End Mill Tool for Chatter Vibration Reduction, *International Journal of Engineering and Advanced Technology (IJEAT)*, Volume 2 Issue 3, ISSN: 2249 – 8958. [Blue Eyes Intelligence Engineering & Sciences Publication].
2. Prof. R.S.Jamgekar , **Prof. M. U. Gaikwad (**September 2013**)** Design of an Air Conditioning System for a Laboratory- A Case Study, *International Journal of Application or Innovation in Engineering & Management (IJAIEM)*, Volume 2, Issue 9,pp. 285-287, ISSN 2319 – 4847. , Issue 10, pp.16-19, ISSN(e): 2319 – 1813 ISSN(p): 2319 – 1805.
3. Mr. Dombale S. N , **Prof. Gaikwad M.U** (July 2015) An Experimental Study on Effect of Mechanical Properties Of Aluminum Composite Reinforced With Silicon Carbide, *International Journal For Technological Research In Engineering*, Volume 2, Issue 11, pp.2690-2693, ISSN (Online): 2347 – 4718.
4. Mr. Khartode Ankush .N, **Prof. Gaikwad Mahendra. U** (June 2016) Design and Analysis of Antiroll Bars for Automotive Application, *International Journal on Recent and Innovation Trendsin Computing and Communication*, Volume 4, Issue 6, pp.340-345, ISSN 2321-8169.
5. Katedeshmukh N.S., **Gaikwad M.U**. (January 2016) Design, Analysis and Testing of shaft mountedspeed reducer for coil Winding machine, *International Research Journal of Engineering and Technology (IRJET)*, Volume 2, Issue 1, pp.546-554,

e-ISSN: 2395 -0056 , p-ISSN: 2395- 0072 **[Impact Factor value: 4.45].**

6. Barge P.R., **Gaikwad M.U**. (February 2016) Design Optimization of Roller Chain Link Plate used in Sugar Industry, *International Research Journal of Engineering and Technology (IRJET)*, Volume 3, Issue 2, pp.482-487, e-ISSN: 2395 -0056 , p-ISSN: 2395- 0072 [Impact Factor value: 4.45].

7. Chavan V.B **, Prof. Gaikwad M.U** (June 2016) Review on Development of Glass Fiber/Epoxy Composite Material and its Characterizations, *International Journal of Science, Engineering and Technology Research (IJSETR)*,Volume 5, Issue 6, pp.2224-2228, ISSN: 2278 – 7798.

8. V. P. Gawade1 Prof. M. U. Gaikwad (August 2016) Design & Analysis of Vertical Pressure Vessel by using ASME Codes, *International Journal for Scientific Research & Development*, Vol.4, Issue 05, ISSN (online): 2321-0613.

9. Nilesh S. Zagade, **Prof. M. U. Gaikwad** (November 2016) An Experimental Study of Mechanical Behavior of Aluminium Matrix Composite by Experimental Approach, *International Journal of Current Trends Engineering Research*, Volume 2, Issue 6, pp.556- 562.

10. Vishal S. Kshirsagar, Prof. Mahendra U. Gaikwad (December 2015) Design and Analysis of Electro Hydraulic Thruster Brake for Lifting Machine ,*International Journal of Innovations In Engineering Research And Technology*, Volume 2, Issue 12, pp.556-562.

Invited Lectures (2)

1. Delivered expert lecture on "Quality control and its parameters" at N.B.S. Institute ofPolytechnic, AUSA, Osmanabad, Maharashtra, India (25^{th} Jul 2013).
2. Delivered expert lecture on "Job Opportunities after Diploma Engineering", at Department of Mechanical Engineering BIGCE ,Solapur, Maharashtra, India (26^{th} April 2021).

Projects Guided

PG Supervisor: Guided for 8 Students

1. Mr.V. P. Gawade, Design & Analysis of Vertical Pressure Vessel by using ASME Codes, (2016).
2. Katedeshmukh N.S., Design, Analysis and Testing of shaft mounted speed reducer for coil Winding machine (2016).
3. BargeP.R., Design Optimization of Roller ChainLink Plate usedin Sugar Industry (2016).

4. Chavan V.B, Review on Development of Glass Fiber/Epoxy Composite Material and its Characterizations (2016).
5. Mr. Khartode Ankush .N, Design and Analysis of Antiroll Bars for Automotive Application, (2016).
6. Nilesh S. Zagade, An Experimental Study of Mechanical Behavior of Aluminum MatrixComposite by Experimental Approach (2016).
7. Mr. Dombale S. N, An Experimental Study on Effect of Mechanical Properties of AluminumComposite Reinforced With Silicon Carbide (2015).
8. Vishal S. Kshirsagar, Design and Analysis of Electro Hydraulic Thruster Brake for Lifting Machine (2015).

UG Supervisor: Guided for more than 20 groups till date

1. Mr. Siddesh Chaudhari, Mr. Rohit Nanher, Mr. Anuj Raut, Mr. Pratik Naghmkar, Design Modifications & Analysis of Smart Three Wheel Segway. (2022)
2. Mr. Shubham Dhaigude, Mr. Rahul Shnwar, Ms Varsha Avsare, Ms Aishwarya Borade, Material Removal Rate and Surface Roughness Evaluation in Die Sink EDM Process. (2021)
3. Mr. Sharad Dikule, Mr. Shubham There, Mr. Adesh Hnade, Mr. Akshay Hatkar, Investigation ofProcess Parameters in EDM. (2017)

Awards and Recognition

1. Received Best Performer in Education (Teaching & Research Excellence) Award in 2022 year by Savitribai Phule Excellence Award, Pune, Maharashtra, India.
2. Member in International Association of Engineers (IAENG)
3. Life Time Member in Quality Circle Forum of India.

Adjoin Reviewer on Review Panel

1. Australian Journal of Mechanical Engineering, Taylor and Francis Publisher.
2. Journal of Manufacturing Processes, Elsevier Publisher.
3. Reviewer: 4th International conference on Material Strength and Applied Mechanics (MSAM 2021), Journal of Physics: Conference series.
4. Reviewer: International conference on Metaheuristic Algorithim in Industry 4.0, Taylor and Francis Publisher, 2019.
5. Reviewer: First International conference on Recent and Future trends in Smart

Electronics System and Manufacturing, Symbiosis Institute of Technology, Pune, held on 1st December, 2022.

Attended Training/Workshop/STTP/FDP/Conference/Seminar/Webinar (19)

International Conferences Attended:

1. Advanced Material Manufacturing and Characterization held at GREIT, Hydrabad, India, 2013.
2. Techno-societal 2018, SVERI, Pandharpur, Solapur. Maharashtra, India (2018).
3. International conference on Advanced Trends in Mechanical & Aerospace Engineering, Dayanand Sagar University, Banglore, India (2021).
4. International Conference on Frontiers in Mechanical Engineering & nanotechnology" (ICFMET-2020), Sanjeevan Engineering & Technology Institute, Panhala, Satara, Maharashtra,India (2020).

Webinar Attended:

1) Attended Webinar on "Application of Strength of Materials in Automotive Sector" conducted on 15th April,2021 by Department of Mechanical Engineering, Dr. D Y Patil School of Engineering,Lohegaon, Pune.
2) Attended Webinar on "Basics of Patents" organized on 06th May 2021 by Department of MechanicalEngineering, Sanjivani College of Engineering, Kopargaon.
3) Attended webinar on "Basics of Differential Equation" on 15th May 2021 Organized by General Science Department BIGCE , Solapur.
4) Attended webinar on "Simple ware Software- From 3D Images to Models: A Complete Solution Organizedby Department of Mechanical Engineering, CARE Group of Institutions, Trichy on 4th May 2021.
5) Attended Webinar on "Advance Material Characterization 2021" held on March 18th and 19th 2021organizedby Nano Manufacturing Technology Centre, CMTI.
   Attended Webinar on "Road Safety Awareness", on 8th September 2021
   Conducted by Honda Motorcycle &Scooter India Pvt. Ltd.
6) Attended Webinar on "Condition Monitoring and Fault Diagnosis" on 24th May 2020 Department ofMechanical Engineering of JSPM's Rajashri Shahu College of Engineering, Pune.
7) Attended Webinar on "How to Write a Perfect Research Paper" organized by the Department of Mechanical Engineering, Bharath Institute of Higher Education and Research, Chennai on 22nd May2020.
8) Attended Two Days state level workshop on:-Writing research paper and Patent, held at Vishwakarma Institute of Information Technology (VIIT), Pune.

Faculty Development Program (FDP) Attended:

9) Attended FDP on –"Recent Advancements in AL & Robotic" from 25-04-2021 to 29-04- 2021at Dr D YPatil School of Engineering and Technology, Pune.
10) Attended FDP on "Teaching & Learning of Advances in Manufacturing Technologies",organized by NIT,Warangal. 2021

Industrials Training Completed:

1) Morval Industry Ltd, Chincholi, M.I.D.C, Solapur, Maharashtra, India -2013.
2) Laxmi Oil Pump Industry, Hotgi M.I.D.C, Solapur , Maharashtra, India -2013.
3) Centeral Institue of Tool Design (CITDE), Hyderabad, Andra Pradesh, India-2014.
4) Non Destructive Testing(NDT) at S.V.Tech. Consultancy, Pune, Maharashtra, India, 2018.

Portfolios Handle

Academics:

- Working as **Coordinator for-Arrange Guest Lectures/Workshops/Seminars/Short TermProgram**, at JSPM, Narhe, Pune, Maharashtra, India, from 2017-2022.
- Working as **Training and Placement Coordinator** at Mechanical Engineering Department,JSPM, Narhe, Pune, Maharashtra, India, from 2018-2022.
- Worked as **P.G. Coordinator –M.E-Design Engineering**, at DGOI, FOE, Bhigwan, Pune,Maharashtra, India, from 2014-2016.
- Worked as a **Head of Mechanical Engineering Department**- at DGOI, FOE, Bhigwan, Pune,Maharashtra, India, from 2015-2016.
- Worked as **Industrial Visit Coordinator, B.E Project Coordinator**, at BIGCE, Keagoan,Solapur, Maharashtra, India, from 2012-2014.

Accreditation:

- Worked as **a NAAC Coordinator** at Mechanical Engineering Department, JSPM, Narhe, Pune,Maharashtra, India, from 2017-2018.

Research:

- Working as R&D coordinator JSPM, Narhe, Pune, Maharashtra, India, from 2021-2022.
- Working as R&D cell member coordinator JSPM, Narhe, Pune, Maharashtra,India, from 2021-2022.

Examination:

- Worked as internal senior supervisor for conducting SPPU end semester

external examinations (Apr/May 2018 and Nov/Dec 2018) at JSPM, Narhe, Pune, Maharashtra, India.

- Worked as internal senior supervisor for conducting SPPU end semester external examinations (Apr/May 2018 and Nov/Dec 2018) at DGOI, FOE, Bhigwan, Pune, Maharashtra, India.

Subjects Handled (Recent Year)

AY 2024-25

- **Sem-I:** Operations Managemnt, F.Y. B.E(Theory)-UG, Advanced Manufacturing Process (Theory)-UG, Operations Techniques (Honours)- T.Y. B.Tech- Mechanical Engineering
- **Sem-II:** Mechanics of Robotics, S.Y.B.Tech, Honors all branches of Engineering.

AY 2023-2024

- **Sem-I:** Dynamics of Machinery (Theory & Practical)-UG,
- Advanced Manufacturing Process (Theory)-UG
- **Sem-II:** Advanced Manufacturing Process (Theory)-UG AY 2019-20
- **Sem-I:** Dynamics of Machinery (Theory & Practical)-UG,
- Advanced Manufacturing Process (Theory)-UG
- **Sem-II:** Mechanical System Design (Theory & Practical)-UG

AY 2022-2023:

- Sem-I: Dynamics of Machinery (Theory & Practical)-UG, Advanced Manufacturing Process(Theory)-UG
- Sem-II: Advanced Manufacturing Process (Theory)-UG AY 2019-20
- Sem-I: Dynamics of Machinery (Theory & Practical)-UG, Advanced Manufacturing Process(Theory)-UG
- Sem-II: Mechanical SystemDesign (Theory & Practical)-UG

AY 2021-2022

- Sem-I: Dynamics of Machinery (Theory & Practical)-UG, Advanced Manufacturing Process(Theory)-UG &PG
- Sem-II: Design of Machine Elements II (Theory & Practical) UG & PG

My Strengths

- I amcapable to lead and work as a team.
- Willingness to learn new things, self-development and improvement.
- I am highly motivated and target achiever.
- Agile in nature.

Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Date: 21/ 07 /2025

Place: Mumbai, Maharashtra, India

Dr. Mahendra U. Gaikwad