

PROFILE



Name **Dr. Prajitsen Gulabrao Damle**
pgdamle2@gmail.com
+91 9422277882
SSBT's C.O.E.T. Jalgaon. (M.S.) 425001
Associate Professor

Designation Department of Mechanical Engineering
SSBT's College of Engineering and Technology, Jalgaon

Date of Birth 08th Oct. 1973

Nationality Indian

Subject of Interest Machine Design, Engineering Graphics,
Automobile Engineering

Total Experience 22 Years

Academics **Ph.D. (Mechanical Engineering)** from North Maharashtra
University, Aug-2017
M.E. Mechanical (Machine Design) secured first class from NMU,
Jalgaon, 2008
B.E. Mechanical secured first class from Amravati University,
1996

Specialization Machine Design

Membership of professional bodies 1. Life Member of ISTE (LM 94994),
2. Life Member of IIIE (SMIIE 10375)

Academia link <https://nmu-in.academia.edu/PrajitsenDamle>

Google scholar <https://scholar.google.com/citations?user=h1VxzG0AAAAJ&hl=en>

LinkedIn <https://www.linkedin.com/feed/>

orcid <https://orcid.org/my-orcid?orcid=0000-0003-1676-6310>

Teaching Experience

Organization	Post	Period
SSBT's College of	Asso. Professor (Mech. Engg. Dept)	02 July 2012 to Till Date

Engineering and Technology, Bambhori, Jalgaon	Asst. Professor (Mech. Engg. Dept)	22 June 2009 to 01 July 2012
	Sr. Lecturer (Mech. Engg. Dept)	01 Aug. 2007 to 21 June 2009
	Lecturer in Mechanical Engg. Dept.	15 Feb. 2002 to 31 July 2007
SSBT's New Polytechnic, Jalgaon	Lecturer in Mechanical Engg. Dept.	12 July 2000 to 15 June 2001, 02 July 2001 to 14 Feb 2002
Vivekanand Polytechnic, Sitasangi, Dist. Bhandara	Lecturer in Mechanical Engg. Dept.	09 Aug. 1999 to 03 June 2000

- **Approved as a Assistant Professor (as per 5th pay Scale)** by the North Maharashtra University, Jalgaon from 22-06-2009 (Ref. No. NMU/18/1071/2009, dated 30/09/2009) in the subject Mechanical Engineering.
- Recognized as a **Post Graduate Teacher** of the North Maharashtra University, Jalgaon from 13-04-2012 in the subject Mechanical Engineering (Ref. No NMU/11/PGR/Mech. Engg. /1079/2012, dated 15-05-2012).
- Recognized as a **Ph. D. guide** of the Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon from 14-02-2019 in the subject Mechanical Engineering (Ref. No KBCNMU/11/PGR/Mech. Engg. /2037/2019, dated 29-05-2019).

Administrational Work

- 01 Nomination as Ad-hoc **Chairperson of Board of Studies (BOS)** in Mechanical, Automobile & Production Engg. Faculty of Engineering & Technology of North Maharashtra University, Jalgaon from 26th March, 2022 to 31st August, 2022.
- 02 Nomination as **Member of Board of Studies (BOS)** in Mechanical, Automobile & Production Engg. Faculty of Engineering & Technology of North Maharashtra University, Jalgaon from 05th April, 2018 to 31st August, 2022.
- 03 Member of organizing Committee of a lecture series **FEAST** (Festival of Engineers, Administrators, Scientists and Technocrats) organized by SSBT's College of Engineering & Technology, Jalgaon, form 2012.
- 04 Industrial Tour In-charge for Final year Mechanical Engineering Students.
- 05 Class Teacher of BE Mechanical during the year 2017-18.
- 06 Lab in charge of Model Lab. From 2003 till date.
- 07 Class teacher for T.E. Mechanical, during the year 2006-2007.
- 08 Timetable in charge for Department from 2003 to 2006.

Achievements / Participation / Publication / Presentation since date of joining:

Papers in Conferences or Workshop Presentation / Publications

National Conference

- 1 Paper Published in National Conference (Mechanger -07) of title "Software Simulation of Drive less Vehicle Using Expert System" at VBP COE, Rajkot on 01st March, 2007.
- 2 Paper Published in National Conference (MILESTONE 2K8) of title "Analysis of mechanical thermal response of total hip joint replacement using FEA method" at SSBT's COET Bambhori on

07th March, 2008.

- 3 Paper Published in National Conference on “Nanotechnology: perspective and future” of title “Nanotechnology A glance over history and perspectives” at SSBT’s COET Bambhori on 08th March 2008.
- 4 Paper Published in National Conference on “Emerging Trends in Engineering Technology and Management” of title “New Technology for Animal drive prime motors” at SSBT’s COET Bambhori on 29th March 2010.
- 5 Paper presented in National Level Paper Presentation & Technical Event of title “Dynamics and Control for Vibration Isolation Design” at NES Gangamai College of Engineering, Nagaon. On 2nd March 2012.
- 6 Paper Published in National Conference on “Recent Trends in Mechanical Engineering” of title “Productivity Improvement in MSME’s Through Academic Intervention: A Special Reference to Mat Manufacturing Units from Jalgaon M.I.D.C.” on 21st – 22nd March 2013.
- 7 Paper Published in National Conference on “Technical Revolution” of title “Leaf Spring Suspension System of Tanker Trailer” on 16th& 17th February 2017.

International Conference

- 1 Paper presented in International Conference on “Science, Engineering, & Spirituality” of title “Kaizen- a Breakthrough Strategy for Industry” at S.E.S. COE, Navalnagar on 01st April 2010.
- 2 Paper Participated in International Conference on “Recent Trends in Engineering and Technology” of title “An Analytical Approach for Analysis and Study on the Effect of Different Parameters on Sliding Contact Bearing” at SNJB’s COE, Candwad on 22nd to 24th February 2013.
- 3 Paper presented in International Conference on MMOTS of title “Productivity Improvement of Small-Scale Industry Base on Ergonomics Intervention workstation Design: Review” 2013
- 4 Paper presented in International Conference on Global Trends in Engineering, Technology and Management (ICGTETM) of title “Taguchi and ANOVA Analysis of Deburring Process Parameters of PP Mat” pp. 57-61, 2016.
- 5 Paper published in proceeding of IOP Conference on Material Science and Engineering (ICEMEM-2019) of title “A Review of Hybrid Polymer Bio- composites” 2020.
- 6 Paper presented in International Conference on Technology Innovation in Mechanical Engineering (TIME-2021) of title “Novel Hybrid Bio Composite PLA Filaments Reinforced with Bio Fillers for 3D Printing” organized by Department of Mechanical Engineering, Sagar Institute of Science and Technology, Bhopal during 10th – 11th May 2021.
- 7 Paper presented in International Conference on Recent Advances in Manufacturing” Novel Hybrid Bio composite of PLA with waste Bio-fillers” organized by SVNIT, Surat during 10th -12th June 2021.
- 8 Paper presented in Second International conference on Engineering Materials, Metallurgy and Manufacturing (ICEMMM 2021) “Development and testing of Hybrid Green Polymer Composites (HGPC) filaments of PLA reinforced with waste bio-fillers” organized by Department of Mechanical Engineering, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam during 16th -17th Dec 2021.
- 9 Paper presented in One Day Virtual International Conference on Recent Advances in Engineering, Science and Technology-2021 (ICRAEST-2021) on “Solar Dryer Selection and its Applications for Various Household Items”, organized by GF College of Engineering, Jalgaon on 16th July, 2021 ISBN:978-81-949989-6-9.

Papers in National or International Journal

International Journal

- 1 Paper published in International Journal on “International Journal of Innovations in Mechanical and Automobile Engineering” of title “Nanotribological Concept of MEMS and NEMS” on September 2011.

- 2 Paper published in International Journal on “International Journal of Innovations in Mechanical and Automobile Engineering” of title “Vibration Analysis of Cracked Cantilever Beam with Suitable Boundary conditions” on March 2012.
- 3 Paper published in International Journal on “International Journal of Advanced Research Trends in Engineering and Technology” of title “Review of Experimental Analysis of IVT for Light Weight Vehicle by Using Three Different Masses” on December 2015, Vol.2, Issue 12, ISSN 2394-3777.
- 4 Paper published in International Journal of Innovations in Engineering and Technology of title “Ergonomic Considerations in Workstation Design for Deburring Process at Mat Manufacturing” Vol. 6(1), pp. 100-104, 2015.
- 5 Paper published in International Journal of Engineering Research and Application “Experimental Investigation and Formulation of Model of Deburring Process of Mat Manufacturing” vol. (7), Issue (6), (Part -7) June 2017, pp.09-13.
- 6 Paper published in International Journal on “International Journal of Advanced Research, Ideas and Innovations in Technology” of title “Performance Analysis of Heat Sink for Microprocessor”, Vol.4, Issue (3), July 2018.
- 7 Paper published in International Journal of Innovations in Engineering and Science of title “Solar Dryer Selection and Its Applications for Various Household Items” Vol. 6, No. 10, 2021, PP. 93 - 96, e-ISSN: 2456-3463.
- 8 Paper Published in GIS Science Journal on “Thin Layer Mathematical Modelling of Banana Slice Using MATLAB” Volume 8, Issue 10, 2021, ISSN No.: 1869-9391.
- 9 Paper Published in Materials Today: Proceedings on “Development and testing of hybrid green polymer composite (HGPC) filaments of PLA reinforced with waste bio fillers” 18 April 2022 Elsevier Ltd.
- 10 Paper Published in Springer Lecture Notes in Mechanical Engineering on “Novel Hybrid Bio Composite PLA Filaments Reinforced with Bio Fillers for 3D Printing” First Online published on 29 April 2022.
- 11 Paper Published in GIS Science Journal on “Optimization of Thermoelectric Generator System for its Performance Enhancement” Volume 9, Issue 5, 2022, ISSN No.: 1869-9391.

National Journal

- 1 Paper Published in National Journal on Industrial Engineering Journal of title “Ergonomic Evaluation & assessment of Working Posture of Working in Small Scale Industry”, on July 2015, Vol. III, Issue No. 7
- 2 Paper Published in IJSSBT National Journal of title "Generation of Electricity through Desk chair", September 2019.

Papers in on line National or International Journal

- 1 Paper published in International Journal of Innovative Technology and Exploring Engineering (IJITEE) on “Review of Design of Hybrid Aluminum/ Composite Drive Shaft for Automobile” in Vol. 2, Issue 4, March 2013.
- 2 Paper published in International Journal of Innovative Technology and Exploring Engineering (IJITEE) on “Vibration Analysis of Composite Plate at Different Boundary Conditions” in Vol. 3, Issue 12, December 2014.
- 3 Paper published in International Journal of Innovative Research Technology (IJIRT) on “Study of High Temperature Coupling in The Context of Strength” in Volume 2, Issue 2, July 2015.

Reviewer / Session Chair

- 1 Session chair in “International Conference on Recent Trends in Mechanical Engineering for Sustainable Growth” organized by Department of Mechanical Engineering, MET’s Institute of Engineering, Nashik, on 29th to 30th December, 2016.
- 2 Session chair in “International Conference on “Global Trends in Science, Technology, Humanities, Commerce and Management 2019” organized by SSBT’s College of Engineering and Technology, Jalgaon, held on January 18-20, 2019.

STTP / Seminar

STTP

- 1 Attended one-week STTP on “Design for Manufacturing Ability & Assembly” Organized by SSGMCOE, Shegaon on 25th to 30th Oct. 2004.
- 2 Attended one-week STTP on “Advances in Tribology” organized by SSBT’s COET, Bambhori on 25th to 29th October 2010.
- 3 Attended one-week STTP on “CAD / CAM / CAE” organized by SSBT’s COET, Bambhori on 14th to 19th Jan 2013.
- 4 Attended one-week STTP on “Industrial Engineering Techniques” organized by MANIT, Bhopal on 20th to 24th May 2014.
- 5 Attended one-week STTP on “Design of Experimentation and Optimization Techniques” organized by SRES’s College of Engineering, Kopergaon on 1st to 5th June 2015.
- 6 Attended one-week STTP on “Research Methodology” organized by Malaviya National Institute of Technology (MNIT), Jaipur in collaboration with Indian institution of Industrial Engineering, Mumbai from 27th October to 31st October, 2015
- 7 Attended one-week STTP on “Carbon Neutral Energy Sources” organized by SVNIT, Surat on 9th to 13th May 2016.
- 8 Participated in “TEQIP-III Sponsored Short-Term Training Programme” on “Mathematical Modeling and Numerical Techniques” sponsored by AICTE New Delhi, and Organized by Department of Mechanical Engineering, Dr. Babasaheb Ambedkar Technology University Lonere during 9th December 2019 to 13th December 2019 (one week).
- 9 Participated in one-week Short Term Training Programme on “Renewable Energy: Application and Entrepreneurship” organized by Department of Mechanical Engineering, SSBT’s College of Engineering and Technology, Bambhori, Jalgaon during 26th May to 30th May 2020.
- 10 Participated in “QIP – Short Term Course” on “Advances in Vibration Analysis” sponsored by AICTE New Delhi, and Organized by Department of Mechanical Engineering, IIT (BHU), and Varanasi during 28th December 2020 to 02nd January 2021
- 11 Participated in one-week Short Term Training Programme on “Eclectic Research Trends in Manufacturing” sponsored by AICTE New Delhi, and Organized by Department of Mechanical Engineering, Poornima College of Engineering, Jaipur, held during 15th March to 20th March 2021.

Seminar

- 1 Participated in one Day National Seminar on “Quality Assurance in Technical Education” Organized by SSGMCOE, Shegaon on 25th to 30th Oct. 2004.
- 2 Participated in seminar on “LOW-COST AUTOMATION” held at COET Jalgaon on 21st April 2007.

Faculty Development Program

- 1 Participated in **Orientation Program** for Engineering College teachers, from 11th to 13th July 2003 at C.O.E.T. Bambhori.
- 2 Participated in “Entrepreneurship Awareness Camp” organized by SSBT’s COET, Bambhori, on 29th to 31st March 2004.
- 3 Participated in the **Workshop** organized in S.S.B. T’s COET, Jalgaon by MITCON in 2004 on

“Entrepreneur Development”.

- 4 Attended “Entrepreneurship Awareness Camp” from 29th to 31st March 2004 at COET Bambhori, Jalgaon.
- 5 Participated in **one Day Workshop** on “Syllabus Framing” of T.E. Mech. Engg., Conducted at JTM College of Engineering, Faizpur on 31st July 2006.
- 6 Attended Training program on ANSYS & MAT LAB on 23rd to 25th August 2006.
- 7 Completed M.E. (Machine Design) in 2008.
- 8 Participated in one day in the In-plant Training Program on “Disaster Management” organizes by SSBTs COET, Bambhori on 23rd Jan 2010.
- 9 Participated in one day **Workshop** on “Possibilities of Energy Saving in Industries and Energy Audit-2010” organized in SES COE Navalnagar on 17th April 2010.
- 10 Participated in one-week **Workshop** on “MISSION10X” at SSBTs COET, Bambhori on 5th to 9th July 2010.
- 11 Participated in three days National Level **Workshop** on “Research Methodology” organized by SSBTs COET, Bambhori on 17th to 19th October 2011.
- 12 Participated in two weeks ISET **Workshop** on “Computational Fluid Dynamics” Conducted by IIT, Bombay on 12th to 22nd June 2012.
- 13 Participated in two weeks ISET **Workshop** on “Introduction to Research Methodologies” Conducted by IIT, Bombay on 25th June to 04th July, 2012.
- 14 Participated in two days ISET **Workshop** on “Aakash for Education” Conducted by IIT, Bombay on 10th to 11th Nov. 2012.
- 15 Participated in **one Day Workshop** on “Syllabus Framing” of T.E. Mech. Engg., Conducted at D. N. Patel College of Engineering, Shahada on 15th Feb. 2014.
- 16 Participated in two days’ **Workshop** on “A National Level Doctoral Consortium for Research Scholar in Mechanical” organized by MET Bhujbal Knowledge City, Nashik, on 5th & 7th Jan 2015.
- 17 Participated in one Day **Workshop** on Syllabus framing of Final year Mech. Engg., Conducted at SSBT’s COET Bambhori on 06th Jan 2015.
- 18 Participated in one-week **Workshop** on “Manufacturing of Advanced Materials” Conducted by Department of Mechanical, VNIT, Nagpur, on 26th to 31st May 2017.
- 19 Completed Ph.D. (Mechanical) in **Aug. 2017**.
- 20 Participated in Five Day **Continuing Education Program** on “Innovation Methods for Teaching Mechanical Engineering” Conducted by Department of Mechanical Engineering, NIT, Warangal (TS), on 22nd to 26th April 2018.
- 21 Participated in one Day **Workshop** on Syllabus framing of Second year Mech./ Auto. Engg., Conducted at SSBT’s COET Bambhori on 03rd July 2018.
- 22 Participate in **one week FDP** on “Sustainable Product Design and manufacturing” organized by Faculty Development centre – SMVDU under Pandit Madan Mohan Malaviya National Mission on Tachers and Teaching of MOE, GOI, Shri Mata Vaishno Devi Unversity, Katra, Jammu during 10th – 14th Jan 2022.

Activities Organized

- 1 Coordinate One Week STTP on “Advances in Tribology” on 25th to 29th October 2010.
- 2 Coordinate Three Days National Workshops on “Research Methodology” on 17th to 19th October 2011.
- 3 Coordinate a lecture series **FEAST** (Festival of Engineers, Administrators, Scientists and Technocrats) organized by SSBT’s College of Engineering & Technology, Jalgaon in 2013.
- 4 College level Coordinator of AVISHKAR 2017.

Other

- 1 Member of **Staff (Faculty) selection committee** for engineering colleges in the region of North Maharashtra University in 2016.
- 2 Member of **Local Inspection Committee** of North Maharashtra University for Nutinikaran/ Natural Growth for Academic year 2016-17 (Ref No. NMU/05/ Nutani-NG-2016-17/D.O.8/31/2016, dated 29/01/2016).
- 3 Examiner and paper setter for various subjects of Mechanical Engineering.
- 4 Appointed as an **External Senior Supervisor** for University examination May 2017.
- 5 Appointed as a Member of external flying squad for university examination in 2012, 2013 examination.
- 6 Worked as Examiner for M.E. project in MET College of engineering, Nasik 2018.
- 7 Worked as Judge in event of Paper Presentation “SPITECH-2K19”, held on 23rd Feb 2019 at KCE College of Engineering and Information Technology, Jalgaon

Extra -Curricular Activities

- 1 Active Member of Mhila Tkrar Niwarn Samiti.
- 2 Departmental level Coordinator of **DIPEX 2018**.
- 3 Member of Committee for S.C. and S.T. (prevention of Atrocities Act, 1989) from 2016.
- 4 Member of Organizing Committee of **AVISHKAR-2017**.
- 5 Student Welfare officer from 2012 to 2015.
- 6 Coordinator of Shram Sadhana Scholarship Scheme (SSSS) from 2013.
- 7 Active member of Cultural committee of the college 2003 to 2006.
- 8 Active member of sports committee of college 2003 to 2006.
- 9 Member of Anti ragging committee.
- 10 Member of Unnat Bharat Abhiyan.



Sign

Dr. Prajitsen G Damle