

## Somaiya Vidyavihar University

<b>Name: Parag S. Sarode</b>		<b>E-mail: parag.sarode@somaiya.edu</b>	
<b>Contact No: 8149221016</b>			
Department/Section: Mechanical Engineering			
College: K J Somaiya College of Engineering			
DOJ Somaiya: 29 August 2022	Career Experience: 15 Yrs	Industry Experience: 0 Yrs	Teaching Experience: 15 Yrs
Present Academic Designation: Assistant Professor		Present Administrative Designation: Not Applicable	

<b>Area of research/specialization and Courses Delivered</b>
<p>Research domain/interests/areas</p> <ol style="list-style-type: none"> <li>1. Mechanical design</li> <li>2. Rapid prototyping</li> <li>3. Industry 4.0</li> </ol> <p>Courses Delivered</p> <ol style="list-style-type: none"> <li>1. Theory of Machines – II</li> <li>2. Theory of Machines – I</li> <li>3. Strength of Materials</li> <li>4. Dynamics of Machinery</li> <li>5. Project Management</li> <li>6. CAD/CAM/CAE</li> <li>7. Design of Mechanical Systems</li> <li>8. Engineering Drawing</li> </ol>

Recognition as a teacher by any University	UG: No	PG: No	Ph.D : No
Details of Recognitions			
1. Not Applicable			

<b>Education</b>					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Mechanical Engineering	Sant Gadge Baba Amravati University	Government College of Engineering, Amravati	Pursuing	
PG	M.E. Mechanical (Design Engineering)	Savitribai Phule Pune University, Pune	Sinhgad Institute of Technology, Lonavala	2017	7.12
UG	B. E. Mechanical Engineering	University of Mumbai	Bharati Vidyapeeth College of Engineering, Navi Mumbai	2007	65.81%
Diploma	NA				
NET/SET/Other	NA				

<b>Notable Experience Details</b>					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	Vidyavardhini's College of Engineering &	Assistant Professor	9 July 2018	28 August 2022	4 Years

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	Technology, Vasai				
2.	Yadavrao Tasgaonkar Polytechnic, Bhivpuri Road, Tal: Karjat	Lecturer	2 July 2009	7 July 2018	9 Years

<b>Research Accomplishments and Projects</b>		
No of students pursuing Ph.D as on date: Not Applicable		No of students completed Ph.D as on date: Not Applicable
No of students completed PG thesis / Project work as on date: Not applicable		No of students / groups completed UG projects as on date: 4/1
Publications Total: 03	Number of Peer review Journal papers: Nil	Number of Conference papers: 03
<b>Details of Publications:</b> <b>International Journals</b> <ol style="list-style-type: none"> <li>“Numerical Investigation of Variable Tube Diameter Helical Coil Heat Exchanger”, International Journal of Engineering Research &amp; Technology (IJERT), Special Issue – 2021, ISSN: 2278-0181, NTASU - 2020 Conference Proceedings.</li> <li>“A systematic Overview of India’s Smart City Mission”, International Journal of Engineering Research &amp; Technology (IJERT), Special Issue – 2021, ISSN: 2278-0181, NTASU - 2020 Conference Proceedings.</li> </ol> <b>National Journals</b> <ol style="list-style-type: none"> <li>Nil</li> </ol> <b>Conferences</b> <ol style="list-style-type: none"> <li>“Numerical Investigation of Variable Tube Diameter Helical Coil Heat Exchanger”, presented at Vidyavardhini’s National Conference 2020 Technical Advancements on Social Upliftment’s organized by Vidyavardhini’s College of Engineering &amp; Technology, 27 June 2020</li> <li>“A systematic Overview of India’s Smart City Mission” presented at Vidyavardhini’s National Conference 2020 Technical Advancements on Social Upliftment’s organized by Vidyavardhini’s College of Engineering &amp; Technology on 27 June 2020.</li> <li>Lamb wave-based damage identification approach – A review, presented at 3rd Mech PGCON at Zeal College of Engineering and Research, Narhe on 20 – 21 June 2017.</li> </ol> <b>Books/Book Chapters</b> <ol style="list-style-type: none"> <li>Nil</li> </ol> <b>Patents/Copy Rights</b> <ol style="list-style-type: none"> <li>Nil</li> </ol>		
No of Research / consultancy / projects completed: Rs: <u>Nil</u>	No of Research / consultancy / projects on-going: Rs: <u>Nil</u>	No of Research / consultancy / projects on applied as on date: Rs: <u>Nil</u>
<b>Details of Research / consultancy / projects:</b> <b>Completed</b> <ol style="list-style-type: none"> <li>Nil</li> </ol> <b>On-going</b> <ol style="list-style-type: none"> <li>Nil</li> </ol> <b>Applied</b> <ol style="list-style-type: none"> <li>Nil</li> </ol>		
<b>IPR/ Copyrights</b> <ol style="list-style-type: none"> <li>Nil</li> </ol>		

<b>FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered</b>
<b>Attended</b> <ol style="list-style-type: none"> <li>Industrial Training Program organized by M/s. Accurate Sales and Services Pvt. Ltd., Pune for 3 days, 29 – 31 August 2016.</li> </ol>

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2. Industrial Training Program organized by Reliance Infra. Ltd, Dahanu Thermal Power, Station, at Dahanu for 3 days, 14 – 16 July 2016.
3. Industrial training organized by Crompton Greaves Ltd., Kanjurmarg, Mumbai for 3 days, 13 – 15 September 2010.
4. Technical and Soft Skills Training Program organized by L & T Institute of Technology, Powai, Mumbai for 3 days, 21 – 23 December 2009.
5. Industrial Training on CNC operations and Maintenance at INDO – GERMAN Tool Room, Aurangabad for 2 Weeks, 20 July to 01 August 2009.
6. Completed a NPTEL course on “NBA Accreditation and Teaching - Learning in Engineering (NATE) (12 Weeks) on SWAYAM platform during Jan. – Apr. 2020 Semester.
7. Completed a NPTEL course on “Introduction to Mechanical Vibration (8 Weeks) on SWAYAM platform during July – Dec. 2020 Semester.
8. Attended a workshop on “Industry 4.0 and smart manufacturing” organized by Department of Electronics engineering, in association with IQAC – KJSCE, at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, 02 – 04 February, 2023.
9. Attended 21 days Masterclass (online) on "Advanced Python Programming", organised by Pantech e-learning in association with IETE, 13 August 2024 to 03 September 2024.
10. Completed online course on “Create Your First Python Program From UST” authorized by University of Texas, offered through Coursera, 14 June, 2024.
11. ISTE approved one week STTP on “Reforms and Innovations in Examination System”, organized by Vidyavardhini’s College of Engineering and Technology, Vasai, 8 – 13 July 2022.
12. Attended Online FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE, 9 – 13 May 2022.
13. Attended Online FDP on “Recent Advances in Mechanical Engineering Design”, organized by AICTE Training and Learning (ATAL) Academy, at Bharati Vidyapeeth (Deemed to be University) College of Engineering, 20 – 24 July 2021.
14. Completed online course on “Programming for Everybody (Getting Started with Python)” authorized by University of Michigan, offered through Coursera, 20 April, 2021
15. Attended Energy Conservation Week (online mode), "An Awareness for the citizen to use resources wisely”, organized by Vidyavardhini’s College of Engineering and Technology, Vasai, 14 – 18 December 2020.
16. Attended AICTE – AQIS sponsored Online four weeks STTP on “Recent Trends in Energy Management and Audit”, organized by Rajiv Gandhi Institute of Technology, Mumbai, 2 – 7 November 2020, 23 – 28 November 2020, 7 – 12 December 2020, 14 – 19 December 2020.
17. Attended Online FDP on “Advancement in 3D printing and its future scope”, organized by AICTE Training and Learning (ATAL) Academy, at Symbiosis Institute of Technology, 8 – 12 December 2020.
18. Attended one week online short-term training program (STTP) on “Current Biomedical Application of 3D Printing and Additive Manufacturing”, Sponsored by AICTE Delhi, organized by G. H. Raisonni College of Engineering, Nagpur, 2 – 7 November 2020.
19. Attended AICTE sponsored short term training program (STTP) on “Current and Future Trends of Advances in Material Sciences & Technology”, organized by Suryodaya College of Engineering & Technology, Nagpur, from 26 October to 31 October 2020.
20. Completed a Short Course on “Learn to Design your own Solar Home System” as part of Energy Literacy Drive of Energy Swaraj Foundation in association with Vidyavardhini’s College of Engineering and Technology, 30 August 2020.
21. AICTE AQIS Sponsored Short Term Training Program on “Advances in Additive Manufacturing” organized by Siemens Centre of Excellence for Digital Manufacturing and Robotics under NAFETIC at Yeshwantrao Chavan College of Engineering, Nagpur, conducted between 24th to 29th of August, 2020.
22. Attended online FDP “Blended Learning and Flipped Classroom”, organized by AICTE Training and Learning (ATAL) Academy at SVNIT, Surat, 10 – 14 August 2020.

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23. Attended an Online FDP on “A Journey into the Manufacturing Sector in India in view of Industry 4.0 practices and COVID-19”, organized by Shri Vile Parle Kelavani Mandal's Dwarkadas J. Sanghvi College of Engineering Vile Parle (West), Mumbai from 9 June 2020 to 13 June 2020.
24. Attended 5 days webinar on “HVAC&R – Applications”, organized by ISHRAE – VCET Students Chapter of Dept. of Mechanical Engineering, Vidyavardhini's College of Engineering and Technology, Vasai from 20 May to 24 May of 2020.
25. Attended a webinar on “Heat Transfer Concepts in configuration Design of Lifting – body of Reusable Hypersonic Vehicle”, organized by Dept. of Mechanical Engineering, Bharati Vidyapeeth College of Engineering, Navi Mumbai on 2nd May 2020.
26. Completed online course on “Scilab” organized by S K Somaiya College of Arts & Science in Association with Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India, on 1 May 2020.
27. Attended 3 days webinar on “Happiness & Harmony” Organized by Human Value Education cell in collaboration with Dept. of Humanities and Applied Sciences of K. C. College of Engineering and Management Studies and Research, Thane (E) from 27 April 2020 to 29 April 2020.
28. TATA steels Capability Development E - learning Program on “PLC's”, 03 May 2020.
29. Attended AICTE approved WhatsApp based FDP on OBE from 24 March 2020 to 14 April 2020 in association with D. Y. Patil College of Engineering, Akurdi, Pune.
30. Attended an online course on ‘SSA101x: Hands-on training on Solar Study Lamp Assembly’ recognized by Skill Council for Green Jobs, conducted from 01 May 2019 to 31 Dec 2019 for Student Solar Ambassador Workshop 2019, offered by IITBombayX, an online learning initiative of IIT Bombay.
31. Attended one day workshop on ‘C and C++ workshop’ conducted by Vidyavardhini's College of Engineering and Technology on 29 February, 2020.
32. Attended one day workshop on ‘R programming’ conducted by Vidyavardhini's College of Engineering & Technology on 09 November, 2019.
33. Attended an online course conducted ‘LaTeX101x: LaTeX for Students, Engineers, and Scientist’ with A+ grade conducted by IITBombayX from 24 September 2019 to 2 December 2019 an online learning initiative of IIT Bombay
34. Attended ICT based online course on ‘Laboratory Safety Management’ conducted by NITTR, Kolkata from 23 September 2019 to 27 September 2019.
35. Attended one day workshop on ‘Moodle Learning Management System’ conducted by Vidyavardhini's College of Engineering & Technology on 15th March 2019.
36. Attended ICT based online course on ‘Modern Manufacturing Systems’ conducted by NITTR, Kolkata from 18 February 2019 to 22 February 2019.
37. Attended FDP 101X – ‘Foundation Program for ICT in Education’ ended on 27 Oct 2018, and 201X – ‘Pedagogy for Online and Blended Teaching – Learning Process’ ended on 7 Jan 2019, online courses conducted by IITB.
38. Attended online course on ‘Fundamentals of 3D Visualization’ ended on 7 Oct 2018 conducted by IITBombayX an open source hybrid MOOC's platform.
39. Attended conference on ‘Research Methodology’ Conducted by St. John College of Engineering and Management, Palghar, for 2 days, 21st and 22nd sept. 2018.
40. Attended Workshop on ‘Student Centered Teaching – Learning Practices’ organized by Sinhgad Institute of Technology, Lonavala for 2 days, 10 – 11 August 2017.
41. Short Term Training Program Organized by Prof. Ram Meghe Institute of Technology & Research, Badnera on ‘Rapid Prototyping and Product Development’ for 1 week, 5 Dec 2016 to 9 Dec 2016.
42. 4th National Conference on Innovation in Mechanical Engineering (NCIME – 2016) at Sinhgad Institute of Technology, for 2 days, 17 – 18 February 2016.
43. Conference on Research Methodology organized by Sinhgad Institute of Technology, Lonavala for 2 days, 10 – 11 August 2015.
44. ISTE approved Short Term Training Program on “ICT based Teaching Methodologies” Organized by Yadavrao Tasgaonkar Institute of Engineering and Technology, Chandhai, Karjat for 1 week, 08 July 2013 to 12 July 2013.

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45. Recent Advances in Materials Engineering and Technologies (MET -2012) at Sinhgad Institute of Technology, Lonavala, for 2 days , 2 – 3 May 2012.

### Organized

1. Organized a STTP on “Non Destructive Testing: Integrating Legacy and Emerging New Techniques” as an organizing committee member for a one week, at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, 02 – 06 July, 2024.
2. Organized International conference on Technologies for Energy, Agriculture, and Healthcare (ICTEAH 2024) as a member of organizing team held at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, 15 – 16 April, 2024.
3. Organized a workshop on “Sustainable Research and Development” as a organizing committee member for one week, at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, 02 – 06 January, 2024.
4. Organized a workshop on ‘SSA101x: Hands-on training on Solar Study Lamp Assembly’ on October 2019 with a role of ‘mentor’ as a part of Student Solar Ambassador Workshop 2019, at VCET, Vasai.
5. Student Development Program on “AutoCAD - Tool for Engineers” as a member of organizing committee at VCET, Vasai, 11th May – 16th May 2020.

### Delivered

1. Delivered session talk on Python installation and Python basics, 2 days, as a part of FE Summer Internship – 2020, 26 and 29 June 2020.

### Notable Key Scholastic Achievements

1.	Passed National Talent Search Examination (NTSE)
2.	NA

### Notable Positions and Responsibility

1.	Examination Section In-charge, 2013-2018, at Polytechnic
2.	Facilitator for data collection for NAAC criteria with Institute coordinator

**Date: 18/10/2024**

  
**Signature of Faculty Member**