

	Name	Prof. Akshay Ashok Harale		
	Designation	Assistant Professor		
	Department	Mechanical Engineering		
	Qualification	B.E. (Mechanical Engineering) M. Tech. Mechanical (CAD/CAM)		
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	Experience	Teaching:	1.5 Year (Till Aug 2021)	Industry/ Research:

Title of M. Tech. Dissertation:	<ol style="list-style-type: none"> 1) Design and simulation of hot forging die to maximize its life. 2) A study of seat comfort for a commercial car.
Research Area	CAD, Machine Design, Vehicle Ergonomics, Advanced Manufacturing Process
Workshop/Seminar/Conference Organized	<ol style="list-style-type: none"> 1) Organized one-week Online Faculty Development Program on “Robotics”, from 24-28th Nov 2020 in BV (DU), COE, Pune under AICTE Training and Learning (ATAL) Academy. 2) Organized one-week Online Faculty Development Program on “Future Material: Nanocomposite”, from 15-21st June 2020 in Department of Mechanical Engineering, BV (DU), COE, Pune.
Workshop/Seminar/Conference attended	<ol style="list-style-type: none"> 1) Participated in Supra SAE INDIA-2015. 2) Participated in the 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 from 28th April to 22nd May 2020 during COVID-19 nationwide lockdown. 3) Attended the India First Leadership Talk webinar broadcasted on 2nd May, 2020 by MHRD's Innovation Cell 4) Participated in the Online "International Faculty Awareness Program" organized by Mechanical Engineering Department, JSPM's Jayawantrao Sawant College of Engineering Hadapsar, Pune -028, during 11 May to 15 May 2020. 5) Participated one-week Online Faculty Development Program on "Roll of Engineer in Uplifting the industry post COVID-19 Lock down in India" organized by Mechanical Engineering Department, Sandip Institute of Engineering and Management during 04-09th May 2020. 6) Attended Leadership Talk with Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited and Dr. Abhay Jere, Chief Innovation Officer MHRD Innovation Cell, Saturday, 16th May 2020 at 01.00 PM 7) Participated in one day webinar on "Entrepreneurship- Dreams to Reality- Journey and the case studies" organized by Mechanical Engineering Department, Sandip Institute of Engineering and Management on 19th May 2020. 8) Attended Leadership talk With Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd. India's First Leadership Talk Series Session with Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd. by MHRD's Innovation Cell on 23rd May 2020. 9) One Week Short Training Program on "Renewable Energy and Utilization" organized by Dept. of Mechanical Engineering, Sandip Institute of Engineering and Management Nashik, from 26.05.2020 to 20.05.2020. 10) One Week Faculty Development Programme on "Research Opportunities in Advanced Manufacturing Processes" organized by Dept. of Mechanical Engineering, Bharati Vidyapeeth Deemed to be University College of Engineering Pune, from 22.06.2020 to 28.06.2020.

	<p>11) One Week Short Training Program on “Innovative & Inventive Problem Solving” organized by Department of Production Engineering, AISSMS COE, Pune, sponsored by AICTE Quality Improvement Scheme (AQIS) from 29th June to 04th July 2021.</p> <p>12) One Week Short Training Program on “Recent Advances in Mechanical Engineering Design” organized by Dept. of Mechanical Engineering, Bharati Vidyapeeth Deemed to be University College of Engineering Pune, sponsored by ATAL FDP from 20th July to 24th July 2021.</p>
<p>Research Projects Completed/ Undergoing</p>	<p>1) Completed Design and simulation of hot forging die to maximize its life. April 2019</p> <p>2) Completed A study of seat comfort for a commercial car. April 2018</p> <p>3) Completed Optimization of clutch plate casing for wear analysis of 25T Torro, By Mahindra and Mahindra. May 2016</p> <p>4) Working on Gyriod Labyrinth alloy structures by Laser powder bed fusion based additive manufacturing.</p> <p>5) Working on Regenerative braking system for electric vehicle using Lattice structure.</p> <p>6) A study of seat comfort for a commercial car and improve the posture with the help of Lattice structure.</p>