

## BIO-DATA



<b>1.</b>	<b>Name</b>	Suvarna Rode					
<b>2.</b>	<b>Designation</b>	Assistant Professor					
<b>3.</b>	<b>Residential Address</b>	Vashi, Navi Mumbai.					
<b>4.</b>	<b>Total Experience</b>	15 years and one month					
<b>i.</b>	<b>Teaching</b>	12 years and 4 months					
<b>ii.</b>	<b>Industrial</b>	2 Years and nine months					
<b>5.</b>	<b>Qualifications</b>						
	<b>Exam Passed</b>	<b>Year</b>	<b>Institution/ University</b>	<b>Branch/Specialization</b>	<b>Percentage/CGPI</b>		
	M.E.	2015	Mumbai University	Mechanical Engineering (Machine Design)	8.59		
	B. E.	2006	Shivaji University	Production Engineering	63%		
<b>Additional Qualification:</b>							
<b>6.</b>	<b>Employment Record</b>						
	<b>Institution</b>	<b>Year (From To)</b>		<b>Designation</b>			
	F.C.R.I.T. Vashi	June 2017 - till date		Assistant Professor			
	F.C.R.I.T. Vashi	January 2011 to June 2017		Lecturer			
	V.J.T.I., Mumbai	Jan. 2010 – to Dec. 2010		Lecturer			
	Lear India Automotive PVT LTD	January 08 – December 09		Jr. CAD Design Engineer			
	Montech CAD/CAM Services	April 07 -December 07		CAD Designer			
<b>7.</b>	<b>Undergraduate / Postgraduate Teaching Experience and Subjects Taught</b>						
	<b>Subjects Taught at UG level</b>						
	<b>Sr.No.</b>	<b>Name of Subject</b>	<b>Semester</b>				
	1	CAD/CAM/CAE	VII				
	2	Engineering Drawing	II				
	3	CAD/CAM	IV				
	4	Material Technology	IV				
	5	MMC	V				
	6	Control Systems	VI				
	7	CAD Modeling Skill based Lab	III				
	<b>Subjects Taught at PG level</b>						
	<b>Sr.No.</b>	<b>Name of Subject</b>	<b>Semester</b>				
	1	CAD LAB :- For M.E. Mechanical (M/C Design and CAD/CAM)	II				
	2	CAD CAM LAB: - For M.E. Mechanical	II				
<b>8.</b>	<b>Research Experience</b>						
<b>9.</b>	<b>Research Funding / Consultancy Services:</b>						
	<b>Sr.No.</b>	<b>Name of the Company</b>	<b>Address</b>	<b>Product</b>	<b>Consulting Service</b>	<b>Consulting Fees</b>	<b>Period</b>

<b>Research Grants:</b>					
Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project
<b>Technical Collaboration / Lab Funding with Industries</b>					
Sr.No.	Name of the Funding Organization	Type of Support	Amount (Rs.)	Year	
<b>10.</b>	<b>Professional Societies Fellowship / Membership</b>				
<b>11.</b>	<b>Achievements / Awards / Position</b> WorldSkills 2013, Leipzig, Germany Acted as an Expert for the skill “Mechanical Engineering Design-CAD” at WorldSkills 2013 Competition held during 2nd to 7th July, 2013 at Leipzig, Germany. Accompanied Mr. Varad Patil, a student of final year mechanical engineering of F.C.R.I.T. Vashi who represented India as a competitor in “Mechanical Engineering Design-CAD” skill at WorldSkills 2013.				
<b>12.</b>	<b>Projects guided in UG/PG level</b> <ul style="list-style-type: none"> <li>• Damage detection on surface of aluminium beam structure using Flexure waves. (2015-16).</li> <li>• Non-destructive testing of thin plates using ultrasonic guided waves. (2016-17).</li> <li>• Development of a Rapid Prototyping machine based on Fused Deposition Modelling Technique. (2017-18).</li> <li>• Design and Development of 3d Scanner (2018-19).</li> <li>• To Design and Fabricate A 3-D Scanning System For Biomedical Purposes Using Photogrammetry &amp; Optical Computed Tomography (2019-20).</li> <li>• Design and development of a system for variable bead size deposition in FDM (2020-21).</li> <li>• Designing and fabrication of an automated anchoring system for STS cranes from failure due to high speed winds. (2021-22).</li> </ul>				
<b>13.</b>	<b>Short Term Training Programmes attended</b> <ul style="list-style-type: none"> <li>• AICTE/ISTE Sponsored Refresher Program on "Additive Manufacturing - 3D Printing".</li> <li>• Python Programming and its Interdisciplinary Applications.</li> <li>• Advanced Research Challenges in Material Science.</li> <li>• AICTE Training and Learning (ATAL) Academy Augmented Reality (AR)/ Virtual Reality (VR).</li> <li>• Three days faculty development program on fusion 360 sponsored by AUTODESK and Organised by FCRIT Vashi.</li> </ul>				
<b>14.</b>	<b>List of Journal Papers Published</b> <ol style="list-style-type: none"> <li>1. Nitesh P Yelve, Suvarna Rode, Pravin Das and Pranav Khanolkar, "Some new algorithms for locating a damage in thin plates using lamb waves" in Engineering Research Express (2019) 015027, IOP Publishing, 29 August 2019</li> </ol>				
<b>15.</b>	List of Papers Published in National and International Conferences <ol style="list-style-type: none"> <li>1. “Damage Detection in a Thin Aluminium Plate Using Lamb Wave Based Time Reversibility Technique”, ISSS National Conference on MEMS Smart Materials, Structures and Systems, Kochi, India, September 23-25, 2015.</li> <li>2. “Development of a Lamb Wave Based Algorithm for Detecting a Damage in Thin Plate Structures”, ISSS International Conference on Smart Materials, Structures and Systems. July 5-7, 2017, Bangalore, India, July 5-7, 2017.</li> <li>3. “Damage Detection in Beam Structures Using Guided Waves”, NDE 2017 Conference &amp; Exhibition of the Indian Society for NDT (ISNT), 14-16 December 2017, Chennai, T.N., India.</li> <li>4. ”Design and Development of 3d Scanner”, 6th International Conference on Production and Industrial Engineering (Cpie-2019), 8 to 10th June 2019.</li> <li>5. “Some new algorithms for locating a damage in thin plates using lamb waves”, Eng. Res. Express 1 (2019) 015027</li> <li>6. “Design and Fabrication of a 3D scanning system using Optical Computed Tomography and Photogrammetry”, Agnel Charities’ Fr. C. Rodrigues Institute of Technology, IEEE &amp; IAS Technically Co-Sponsored 4th Biennial International Conference on Nascent Technologies in Engineering ICNTE - 2021 January 15-16, 2021</li> </ol>				