

**ARMY INSTITUTE OF TECHNOLOGY**  
**DIGHI HILLS, PUNE 400015**  
**STAFF PROFILE**



Name of Teaching Staff	Dr Sanjiv Manohar Sansgiri		
Designation	Professor and Department Head		
Department	Mechanical Engineering		
Date of Joining the Institution	July 03, 2017		
Qualifications with Class/Grade	BE (Mech Engg) First	MS (Mech Engg) 90%	PhD (Mech Engg) 91%
Total Experience in Years	Teaching: 9+	Industry: 25+	Research: 12+
<b>Publications</b>	National: One		International: Five
National	<ul style="list-style-type: none"> <li>"Finite Element Analysis of Gearbox and Casing for NVH Based Optimization of an Apparatus", International Journal of Advances in Engineering Research, Vol. 13, Issue 5, pp. 75-85, 2017, with S. Rane</li> </ul>		
International	<ul style="list-style-type: none"> <li>"Modeling the Transient Response of Whole Vehicle-Suspension-Tire Interaction to Roadway Asperities", Call No. TL257 .S267, 2001, Thesis (Ph. D.), The University of Akron, Department of Mechanical Engineering</li> <li>"Multiply Gauged Solution Initialization with Steepest Descent Smoothing", International Journal of Computer Mathematics, Vol. 50, Issue 3/4, pp. 165-182, 1994, with J. Padovan and L. Krishna</li> <li>"Multiply Gauged, Mixed Progressively Direct Gradient Based Iterative Solvers", Computational Mechanics, Vol. 11, Issue 2/3, pp. 163-188, 1993, with J. Padovan and L. Krishna</li> <li>"Partitioned Iterative Solver for Very Large Thermal Simulations", Numerical Heat Transfer, Part B: Fundamentals, Vol. 22, pp. 285-304, 1992, with J. Padovan and L. Krishna</li> <li>"Partitioned Iterative Solver for Very Large Simulations", 1991, Thesis (M. S.), The University of Akron, Department of Mechanical Engineering</li> </ul>		
<b>Papers in Conferences</b>	National: None		International: One
International	<ul style="list-style-type: none"> <li>"Design and Development of Object Dispensing Mechanism (ODM)", International Conference on Advancements and Futuristic Trends in Mechanical and</li> </ul>		

	Materials Engineering, October 16-18, 2014, with H. Nalwala, G. Singh, P. Havale and A. Upadhyay	
PhD Guide? Field and University	No	University: N/A
Books Published/IPRs/Patents	None	
Professional Memberships	<ul style="list-style-type: none"> <li>• Institution of Engineers (IE)</li> <li>• Society of Automotive Engineers (SAE)</li> <li>• Indian Society for Technical Education (ISTE)</li> <li>• International Association of Engineers (IAENG)</li> <li>• International Association of Advanced Materials (IAAM)</li> </ul>	
Consultancy Activities	<ul style="list-style-type: none"> <li>• Integ Inc.</li> <li>• Valeo Inc.</li> <li>• BMW AG</li> <li>• Ford Motors</li> <li>• Cummins Inc.</li> <li>• La-Z-Boy Inc.</li> <li>• Cloyes-Renold</li> <li>• Honeywell Inc.</li> <li>• General Motors</li> <li>• Ausco Products</li> <li>• Plastic Omnium</li> <li>• General Electric</li> <li>• Intel Corporation</li> <li>• Lear Corporation</li> <li>• Johnson Controls</li> <li>• Daimler Chrysler</li> <li>• Kawasaki Motors</li> <li>• Simpson Industries</li> <li>• Conair Corporation</li> <li>• Magna Corporation</li> <li>• Walbro Corporation</li> <li>• Textron Automotive</li> <li>• AMI-Fanuc Robotics</li> <li>• ITT Automotive Inc.</li> <li>• Intercon Systems Inc.</li> <li>• Steelcase Corporation</li> <li>• Keene-Widelite Industries</li> <li>• Goodyear Tire and Rubber</li> <li>• AutoDynamics Engineering</li> </ul>	

	<ul style="list-style-type: none"> <li>• Delphi Automotive Systems</li> <li>• John Deere Harvester Works</li> <li>• United Technologies Automotive Inc.</li> <li>• University of Michigan Dentistry Department</li> </ul>
Awards	<ul style="list-style-type: none"> <li>• Ford Motors Fellowship</li> <li>• Chartered Engineer (CEng)</li> <li>• McDonald's Corporation Scholarships</li> <li>• Selected to "Who is Who in the World"</li> <li>• Fellow of Institution of Engineers (FIE)</li> <li>• Distinguished Alumnus, Manipal Institute of Technology</li> </ul>
Grants Fetched	None
Interactions with Professional	<p>Many while in following positions:</p> <ul style="list-style-type: none"> <li>• Executive Director, Procyon Engineering, India</li> <li>• Sr. Vice President, Onward Technologies, India</li> <li>• CEO, Tata AutoComp Systems (TACO) SBU, TACO-Engineering, India</li> <li>• Lead Engineer, Vehicle Synthesis Analysis Simulation, General Motors, USA</li> <li>• Technical Specialist/Lead Engineer, Hoff and Associates, USA</li> <li>• Team Leader (Head, IT startup) and earlier Project Engineer, EASi Engineering, USA</li> <li>• Develop tools and research Vehicle-Suspension-Tire-Terrain interactions, Ford Motors, USA</li> <li>• Shop Floor Manager, Refrigerators plant Press Shop, Godrej and Boyce, India</li> </ul>