

Faculty Profile

Mr. Girish P. Dalvi

**Assistant Professor,
Department of Mechanical Engineering,
Fr. C. Rodrigues Institute of Technology
Navi Mumbai, Maharashtra, India-400703**



1.	Name		Girish P. Dalvi				
2.	Designation		Assistant Professor				
3.	Residential Address		Navi Mumbai				
4.	Date of birth		1982				
5.	Total Experience		11 Years				
i.	Teaching		11 Years				
ii.	Industrial		-				
6.	Qualifications						
	Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI		
	MS	2008	Politecnico Di Milano, Italy	Mechanical Systems Design	81 %		
	B. Tech.	2005	Dr. B.A.M.U.	Mechanical Engineering	77.84 %		
Additional Qualification:							
7.	Employment Record						
	Institution		Year (From To)		Designation		
	FCRIT, Vashi, Navi Mumbai		July 11 – Till Date		Assistant Professor		
	LTCOE, Koperkhairane, Navi Mumbai		August 10 – June 11		Lecturer		
8.	Undergraduate / Postgraduate Teaching Experience and Subjects Taught						
	Subjects Taught at UG level						
	Sr.No.	Name of Subject			Semester		
	1	Mechatronics			VI		
	2	Engineering Mechanics			I		
	3	Mechanical Vibration			VI		
	4	Internal Combustion Engines			V		
	5	Environmental Studies			I		
	6	CAD/CAM/CAE Lab			VII		
	7	FEA Lab			VI		
	8	Fluid Mechanics Lab			V		
	9	Hydraulic Machines Lab			VI		
	Subjects Taught at PG level						
	Sr.No.	Name of Subject			Semester		
	1	Mechanical Vibration			I		
	2	Vibration Measurement and Analysis Lab			I		
3	Virtual Instrumentation Lab			II			
9.	Research Experience						
10.	Research Funding / Consultancy Services:						
	Sr.N o.	Name of the Company	Address	Product	Consulting Service	Consulting Fees	Period
	1.	KGCE	Karjat	-	Modal Analysis	3,000/-	1 day (FH18)

	2.	IIT, Bombay	Pawai, Mumbai	-	Vibration Measurement of Axial Compressor	10,000/-	1 week (SH15)
Research Grants:							
	Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project	
	1.	AICTE	ATAL Academy	93,000/-	2020-21	Faculty Development Program on Electric Vehicles	
	2.	University of Mumbai	Minor Research Grant	30,000/-	2016-17	Design and Fabrication of Magnetorheological damper setup	
Technical Collaboration / Lab Funding with Industries							
	Sr.No	Name of the Funding Organization	Type of Support	Amount (Rs.)	Year		
11.	Professional Societies Fellowship / Membership SAE Membership						
12.	Achievements / Awards / Position <ul style="list-style-type: none"> - Working as Accreditation Committee Member for NBA accreditation. - Working as Faculty Advisor for SAE INDIA Collegiate Club. - Worked as Accreditation Committee Member for NAAC accreditation. - Developed a system for Online Documentation of NBA & NAAC - Developed a system for online attendance monitoring. - Developed a system for Term work entry and calculation. - Designed and developed Experimental setup to demonstrate Projectile Motion. - Developed a Utility to measure Course Outcome. - Worked as Project Co-ordinator for B.E. Projects. 						
13.	Projects guided in UG/PG level <ul style="list-style-type: none"> - Automatic Train Coupler. - Design of Experimental Setup for Projectile Motion. - Design of Vertical Axis Wind Turbine for Street Power Generation. - Design of Mini Solar Powered Vehicle. - Modal Analysis of Truss Bridge. - Simulation Study on Effect of Variable Curvature on the Modal Properties of Curved Beams. - Design and Fabrication of Hexapod. - Design and Development of Tuned Mass Damper. - Design and Fabrication of Eddy Current Damper. - Harvesting of Vibrational Energy. - Design and Fabrication of Creep Testing Machine. - Experimental and Simulation Study to Control Stiffness of an Air Spring. - Design and Fabrication of Eddy Current Braking System. - Modal Analysis of Plate Type Structures. - Modal Analysis of Beam Type Structures. - Investigation of Effect of Ethanol Blends on Performance Parameters of I.C. Engine. - Design & Development of Roll Cage for an All-Terrain Vehicle. - Measurement of Performance Parameters of Internal Combustion Engine using Virtual Instrumentation. - Numerical investigation of flow around side by side square cylinders. 						
14.	Short Term Training Programmes / Events Organized <ul style="list-style-type: none"> - Organized Torque-2022. - Organized Webinar on “Advanced Technologies in Industrial Automation” on 14th May, 2021 in collaboration with SAGE Automation. - Organized Webinar on “Basic Insights: Motorsport Technicalities” on 26th February, 2021. 						

	<ul style="list-style-type: none"> - Organized one week AICTE Teaching and Learning (ATAL) Academy sponsored Faculty Development Program on “Electric and Hybrid Electric Vehicles”, 2nd to 6th November 2020 - Organized Webinar on “Engineers for Self Reliant India” in association with Institute of Engineers, Belapur Local Centre (IEI-BLC), on 15th September, 2020. - Organised Webinar on “Effective Technical Presentation using PowerPoint®”, in association with Institute of Engineers, Belapur Local Centre (IEI-BLC), on 8th August 2020. - Coordinated Institute team ‘Kaiser Racing’ to participate in BAJA SAEINDIA 2020. - Organized one week “Training Program On Ansys Mechanical and CFD” at FCRIIT, Vashi, in association with ARK Infosolutions Pvt. Ltd., from 25th to 29th June 2019. - Organized Torque-2019. - Coordinated Institute team ‘Kaiser Racing’ to participate in BAJA SAEINDIA 2019. - Organized Torque-2018. - Organized and Conducted Workshop on ‘Finite Element Analysis’ for students in 2017. - Organized Fast Track Assembly & Dis-assembly Workshop for students in 2017. - Organized Torque-2015. <p>Attended</p> <ul style="list-style-type: none"> - One week online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 28th June to 2nd July, 2021. - Eighteen days’ online course on “Understand Gita” organized by International Society for Krishna Consciousness, Mangaluru from 1st to 18th February, 2021 - One week AICTE Training and Learning (ATAL) Academy Online FDP on "Control Systems & Sensors Technology" from 5th to 9th October, 2020 at University Visweswaraya college of Engineering. - Four Week NPTEL Online Certification Course on ‘Theory of Rectangular Plates - Part 1’ from August to September, 2018. - One week QIP Course on ‘Vibro-acoustic’ at IIT, Bombay from 4th to 8th December, 2017. - Attended two days training on ‘Six Sigma’ on 13th & 14th October, 2017 at Training Center, L&T, Madh - Three days FDP on “Fusion 360” by AUTODESK at Fr. C. Rodrigues Institute of Technology on 3 to 5th July, 2017 - Two days National Level Workshop on ‘Vibration & Noise Measurement using FFT Analyzer” at R. H. Sapat COE, Nashik on 30,31st January 2016. - Two weeks ISTE workshop on ‘Engineering Mechanics’ at PIIT, Panvel from 26th November to 06th December 2013. - One Week QIP Short Term Course on ‘Dynamics and Control in State Space’ at IIT, Bombay from 6th to 10th May, 2013. - Two weeks ISTE workshop on ‘Computational Fluid Dynamics’ at VJTI, Mumbai from 12th to 22nd June, 2012. - Two weeks ISTE workshop on ‘Heat Transfer’ at K. J. Somaiya, Mumbai from 29th November to 10th December, 2011.
15.	<p>List of Papers Published in Journal</p> <ul style="list-style-type: none"> - Aqleem Siddiqui, Girish Dalvi, Akshay Patil, Surabhi Chavan, “Simulation Study on Effect of Variable Curvature on the Modal Properties of Curved Cantilever Beams”, <i>Journal of Advances in Mechanical Engineering, Springer Nature</i>, pp 407-414, 30 June 2020 - S. Elizabeth Amudhini Stephen, Christu Nesam David. D, Girish Dalvi, “Design Optimization of Weight of Speed Reducer Problem Through Matlab and Simulation Using Ansys”, <i>International Journal of Mechanical Engineering and Technology (IJMET)</i>, Volume 9, Issue 8, ISSN Print: 0976-6340 and ISSN Online: 0976-6359, pp. 339–349, August 2018, Article ID: IJMET_09_08_036 - Girish Dalvi, Sanjay Rukhande, “Automated Storage and Retrieval System”, <i>International Research Journal of Engineering and Technology</i>, Volume 04, Issue 01, e-ISSN: 2395-0056, p-ISSN: 2395-0072, pp 653-658, Jan -2017. - Oscar Rodrigues, Omkar Taskar, Shrutika Sawardekar, Henderson Clemente, Girish Dalvi, “Design and Fabrication of Eddy Current Braking System” <i>International</i>

	<p><i>Research Journal of Engineering and Technology, Volume 03, Issue 04, e-ISSN: 2395-0056, p-ISSN: 2395-0072, pp 809-815, March 2016.</i></p> <ul style="list-style-type: none"> - Bipin Mashilkar, Pallavi Khaire, Girish Dalvi, “Automated Bottle Filling System”, <i>International Research Journal of Engineering and Technology, Volume 02, Issue 07, e-ISSN: 2395-0056, p-ISSN: 2395-0072, pp 771-776, October 2015.</i> - Pankaj Kumar, Tejas Vispute, Anurag Sawant, Rohit Jagtap, Girish Dalvi, “Modal Analysis of Beam Type Structures”, <i>International Journal of Engineering Research and Technology, Volume 04, Issue 04, ISSN: 2278-0181, pp 650-654, April 2015.</i> - Yash Menon, Vishal More, Varun Mohan, Nilesh Yenganti, Girish Dalvi, “Investigation of Effect of Ethanol Blends on Performance Characteristics of IC Engine”, <i>International Journal of Engineering Research and Technology, Volume 03, Issue 04, ISSN: 2278-0181, pp 2106-2112, May 2014.</i>
16.	<p>List of Papers Published in National and International Conferences</p> <ul style="list-style-type: none"> - Aqleem Siddiqui, Girish Dalvi, Surabhi Chavan, “A Generalized Methodology to Plot Mode Shapes of the Curved Fixed-Fixed Beams using ANSYS® & MATLAB®”, <i>4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE – 2021), FCRIT, Vashi, 15-16 January 2021.</i> - Aqleem Siddiqui, Girish Dalvi, Akshay Patil, Surabhi Chavan, “Simulation Study on Effect of Variable Curvature on the Modal Properties of Curved Cantilever Beams”, <i>International Conference on Advances in Mechanical Engineering (ICAME 2020), Visvesvaraya National Institute of Technology (VNIT), Nagpur, 10-11 January, 2020</i> - Pallavi K., Girish D., Nilesh V., Libin K., Edwin W., Abrar U., Marshal M., “Condition Monitoring of Centrifugal Pumps Using Vibration Analysis and Artificial Neural Networks” <i>6th International Conference on Production & Industrial Engineering, CPIE 2019, NIT, Jalandhar, 8-10 June, 2019</i> - Santosh Chauhan, Girish Dalvi, Prasad Bari, Sarvesh H., Tushar K., Sanika N., “Fabrication and Testing of Creep Testing Machine”, <i>FEAST 2018, International Conference on Frontiers in Engineering, Applied Sciences and Technology, NIT, Tiruchirappalli, ISBN: 978-81-908388-6-3, 27-28 April, 2018.</i> - Girish D., Prashanth C, Jyotsns T., Abi M., Georex T., “Experimental and Simulation Study to control stiffness of an Air Spring” <i>WRFER International Conference, Pune, ISBN: 978-93-86291-63-9, May 2017.</i> - Dr. S. M. Khot and Girish Dalvi “Numerical investigation of flow around side by side square cylinders”, <i>National Conference on Nascent Technologies in Engineering, FCRIT, 24-25 February, 2012.</i>
17.	Books/Reports/General articles etc.
18.	Invited Lectures in FDP/ STTP
19.	<p>International Conference Technical Program Committee Member / Reviewer</p> <ul style="list-style-type: none"> - Worked as Publicity Convener for ICNTE-2021 - Worked as Publicity Convener for ICNTE-2019 - Worked as Food Convener for ICNTE-2017 - Worked as Registration Committee Member for ICNTE-2015.
20.	Patents