

Name of Teaching Staff Designation Department	: : :	Vyankatesh U. Bagal Assistant Professor Mechanical Engineering	
Date of Joining the Institution	:	12.07.2012	
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Google Scholar Link	:	https://scholar.google.com/citations?hl=en&user=Kk9PDdEAAAAJ	
Research gate Link:		https://www.researchgate.net/profile/Vyankatesh-Bagal	
ORCID		https://orcid.org/my-orcid?orcid=0000-0001-9479-0522	
Publons Researcher ID	:	https://publons.com/dashboard/summary/	
Qualifications with Class / Grade	:	Shivaji University Kolhapur, Maharashtra M.E. Mechanical Engineering, May -2007, First Class with Distinction, specialization in Heat Power Engineering Shivaji University Kolhapur, Maharashtra B.E. - Mechanical Engineering, July-2002, First Class with Distinction	
Total Experience in Years	:	Teaching: 16 years Industry: 5 years	
Papers Published in Journal:	:		
Papers Presented in Conferences		- Balagopal Unnikrishnan, Armaan Valjee, Vyankatesh Bagal, Prashantkumar Patankar, “Optimization of Surface Roughness During High Speed Milling of Inconel 825 Using Grey Relation Analysis” Proceedings of International Conference on Intelligent Manufacturing and Automation, ICIMA 2020. - Jay Mehta, Fay Colah, Anurag Rao, Vineeta Pendse, Kevin Ajmera, Vyankatesh Bagal., “Heat Transfer Augmentation from Extended Surfaces Using Dimples” Proceedings of the ASME 2018 International Mechanical Engineering Congress and Exposition, IMECE2018, November 9-15, 2018, Pittsburgh, PA, USA Bagal, V. and Mulemane, A., "Aerodynamic Drag Simulation and Validation of a Crossover" SAE Technical paper 2010-01-0757, 2010, doi: 104271/2010-0757.	
Area of Specialization		Mechanical Engineering	

Subjects Taught		<u>UG Level:</u> Thermodynamics, Fluid Mechanics, Heat Transfer, Thermal and Fluid Power Engineering, Refrigeration and Air Conditioning, Computational Fluid Dynamics, Engineering Mechanics, Engineering Drawing, Control Systems, Fluid Mechanics and Machinery
Projects Guided	:	<u>UG Level:</u> • Design and performance evaluation of scalable perforated vortex generation system for heat exchanger. • Development of mechanical system for switching from active to passive mode for roll prevention. • Design of Active Suspension with Rheological Fluids. • Design, Fabrication and Analysis of Thermoacoustic refrigerator. • Design and fabrication of recycling machine for plastic waste. • Design, Rectification & Analysis of progressive die to reduce the rejection percentage by implementing six-sigma methodology. • Design and manufacturing of a glass cleaning pneumatic wall-climbing robot. • Design and Fabrication of an aerofoil to enhance the cornering stability of an automobile. • Design and fabrication of vertical axis wind turbine using Maglev principle. • Methods for heat transfer augmentation using surface modifications on extended surfaces. • Aerodynamic drag and lift prediction of an FSAE Vehicle. • Research and Optimization of Engine Cooling System of an FSAE Vehicle. • Designing and prototyping of small scale wind turbine. • Prototyping of an unmanned ground vehicle. • Improving the aerodynamic performance of an airfoil by fusing different airfoil configurations. • Design and development of electronic button gear shifting on formula student car and engine tuning for performance enhancement. • CFD Analysis of Heat Exchanger. • CFD Simulation of a Car Body. <u>PG Level:</u>

NPTEL FDP Courses Certificates in	➤ Fluid Dynamics and Turbomachines – 8 weeks ➤ Sustainable Happiness – 8 weeks ➤ Refresher course on Fluid Mechanics in Action: Principles, Advances and Applications - 2 weeks ➤ Thermal Engineering Basics and Applied – 12 weeks ➤ Steam and Gas Power Systems – 8 weeks ➤ Experimental Methods in Fluid Mechanics – 12 weeks ➤ Thermodynamics – 12 weeks ➤ Computational Fluid Dynamics – 12 weeks ➤ Convective Heat Transfer – 12 weeks ➤ NPTEL Discipline Star				
Recommended Students for Higher Education	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; padding: 5px;"><u>Name of the Student</u></th><th style="text-align: left; padding: 5px;"><u>University/Industry</u></th></tr> <tr> <td style="padding: 5px;">About 30 students at UG level</td><td style="padding: 5px;">Universities in US, Germany, UK</td></tr> </table>	<u>Name of the Student</u>	<u>University/Industry</u>	About 30 students at UG level	Universities in US, Germany, UK
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Institute/Department Responsibility handled:	▪ Member, ‘Program Assessment Committee’ in Mechanical Engineering Department. ▪ Departmental Coordinator for NBA Criteria 4 ▪ Departmental Internship Coordinator ▪ Institute Level: NSS Program Officer ▪ Lab In-charge Heat Transfer				