

	Name	THORAT Y. V.			
	Designation	Assistant Professor			
	Department	Mechanical			
	Qualification	M.E.(CAD/CAM)			
	Contact No.	9850446344	Ph. Extension	348	
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	Experience	Teaching:	17 Years	Industry/ Research:	Nil

Title of PhD Thesis	“Investigating the Effect of Electro spun Nanofibers and Graphene Nanoplates on Natural Fiber Composite”				
Research Area	CAD/CAM, Machine Design, Nanotechnology.				
Research Publications	International Journal (s):	02	National Journals (s):	01	
	International Conference (s):	01	National Conference:	02	
Research Metrics	<i>Google Scholar Citations:</i> <i>H Index:</i> & <i>I 10 Index:</i>	<i>SCOPUS Citations:</i> <i>H Index:</i>		<i>Web of Science citations:</i> <i>H Index:</i>	
Publication Details	<p>[1] Sanket S. Unde, D. B. Jadhav, Akshay A. Harale, Yuvraj V. Thorat (2023). Numerical and Experimental Analysis on Airfoil for Micro-Scale Horizontal Axis Wind Turbine, International Journal of Engineering Trends and Technology, Volume 71, Issue 8, 48-65, August 2023.</p> <p>[2] Mohite, D. D., Shukla, S., Walekar, S., Rastogi, S., Chaturvedi, V., Thorat, Y. V., ... & Yadav, P. D. (2023). Mechanism for segregation of cutting fluid and scrap for industrial application. Materials Today: Proceedings.</p> <p>[3] Thorat, Y. V., Chavan, S. S., & Mohite, D. D. (2022). Electro spun PAN Nanofiber with Optimized Diameter. JOURNAL OF ALGEBRAIC STATISTICS, 13(2), 1447-1454.</p> <p>[4] A.V. Devrukhkar, Y. V. Thorat, Sachin Chavan, Manufacturing and Testing of PAN Nano Fibres, Banana Epoxy Nanocomposite, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-10, August 2019.</p> <p>[5] Thorat Y. V., Pawar U. S., Dr. Chavan S. S. Banana fiber Nano-Composite: A review for future applications. 4th International Conference NANOCON 018, on 25th and 26th October 2018.</p> <p>[6] Prajwal Motewar, Prof. Yuvraj V. Thorat, A Review on Design and Analysis of Micro-Capacity Wind Turbine Components, International Journal of Advance Engineering and Research Development Volume 4, Issue 6, June -2017.</p> <p>[7] Thorat Y V, Kadam S S, Design and Development of Test Setup for Vibration Analysis with Softfoot Condition. IJAR, VOL-2, ISSUE-3, Dec 2012.</p> <p>[8] Thorat Y V, Kadam S S, Modeling and Simulation of Vibration Induced Bolt Loosening Phenomenon using Matlab. TIME 2010, A G AWATE COLLEGE OF ENGINEERING PUNE, 5-7 March 2010.</p>				

Workshop/ Seminar/ Conference Organized	<p>[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.</p> <p>[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.</p>
Workshop/ Seminar/Conf erence attended	<p>[1] One-week FDP on “Nanomaterials- Synthesis, Properties and Characterization “sponsored by TEQIP III from 16 – 20 Dec 2019, organized by Department of Metallurgy and Materials Science, COEP, Pune 05,</p> <p>[2] 4th International Conference NANOCON 018 at Hotel Sheraton Grand, in Pune, India; Organized by BVDUCOEP on 25th and 26th October 2018.</p> <p>[3] ‘GIAN’ organized course on “Micro and Nano Manufacturing Processes” at IIT Madras, Dec2016.</p> <p>[4] International conference on ‘AIMTDR’ Dec 2015. IIT GUWAHATI</p>
Research Projects Completed/ Undergoing	Title: “Investigating the Effect of Electrospun Nanofibers and Graphen Nanoplates on Natural Fiber Composite”
Awards/ Achievements	[1] Best Paper Award “Electrospun PAN Nanofiber with Optimized Diameter” Published at International Journal of Next-Generation Computing - Special Issue, Vol. 13, No. 2, April 2022.
Extra Activities	<p>[1] P. G. Coordinator</p> <p>[2] Timetable In-charge</p> <p>[3] Guardian Faculty Member</p> <p>[4] Computer Graphics Lab Incharge</p>