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	M.E. Ph.D			
	Professor (Mechanical Engineering)			
	Coordinator			
	1. Mechanical Engineering Program			
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Designation	Professor (CAS2020)			
Contact No.	9423041945			
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Research Areas	I C Engine, Automobile Engineering, Heat Transfer			
No. of Research papers published	Total		Last 5 Years	
	International: 13		International: 10	
Research Projects	Project's Title	Funding Agency	Status Ongoing/ Completed	Amount (Rs. Lakh)
	Experimental Investigation of DME on Single Cylinder I.C. Engine	TEQIP II	Completed	3.00
	Development of low Cost Waterless Urinal System	- D.P.D.C, Kolhapur	Completed	0.98
	Production and Analysis of Pyrolysis from waste plastic in Kolhapur city	- D.P.D.C, Kolhapur	Completed	10.35
	Development of Water Purifier with use of Ultra Violet Light.	- D.P.D.C, Kolhapur	Completed	1.20
	Impact Dynamics of Composite	University Research Strengthening	Ongoing	2.50

		Scheme			
Patents/ IPR	Filed: 01				
Research Impact	Citations	h-Index	i-10 Index	RG Score	Highest Impact factor of a paper as per Thomson Reuters
	8	2	-	3.07	1.3
Total No. of M. Tech. Students	Awarded- 05		Working - 02		
Visits Abroad	Presented Research Paper in the 20th World Hydrogen Energy Conference 2014 (WHEC-2014) (15-20 June14), at Gwangju Metropolitan City, Chonnam National University, South Korea				
Top 10 Publications	<ol style="list-style-type: none"> 1. Mr. N. P. Raut, Dr. A. B. Kolekar, Dr. S. L. Gombi “Optimization techniques for damage detection of composite structure: A review”, 2214-7853/ 2021 Copyright 2021 Elsevier Ltd. All rights reserved. Second International Conference on Aspects of Materials Science and Engineering (ICAMSE 2021). (Materials Today: Proceedings) 2. Mr. N. P. Raut, Dr. A. B. Kolekar, Dr. S. L. Gombi “Methods of damage detection on composites under low velocity impact: Review”, Materials Today: Proceedings 27 (2020) 2823–2827 3. Mr. N. P. Raut, Dr. A. B. Kolekar, “Computational Simulation Of Domestic Burner With Different Fuels And Varying Bores Geometry”, Proceedings Of The Third International Conference On Sustainable Energy And Environmental Challenges (3rdseec) 18 –21 December, 2018, IIT Roorkee, India 4. A. B. Kolekar, Prof. A. B. Datye, Prof. C. H. Bhosale, “Experimental Investigations On Performance Of A Lpg Gas-Diesel Dual Fuel C I Engine”, IJLTET Journal, Volume 6 Issue 4 March, 2016 5. A. B. Kolekar, Prof. A. B. Datye, Prof. C. H. Bhosale, S.B. Sadale, “Comparison Of Compression Ignition Engine Performance Fuelled By Liquefied Petroleum Gas And Diesel, IJMET Journal, Volume 7 Issue 6, Dec., 2016 6. Snehal Chavare, Chetan J. Awati, Dr. Rashmi J. Deshmukh, Sonam S. Patil, Dr. Ajit B. Kolekar, “A Review On Smart Deep Learning For Recommendation System”, International Journal Of Scientific & Technology Research Volume 8, Issue 09, September 2019 				

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| | <ol style="list-style-type: none">7. Review Of Hybrid Solar Dryers, IJIERT Journal, Volume 2 Issue 8 Aug., 20158. Sagar Sanjay Gavali, Mr. Ajit B. Kolekar, Mr. Sudhir B. Desai “Online Marketing For Jaggery And Kolhapuri Chappal (Omjkc)”, International Journal For Research In Applied Science & Engineering Technology9. Ruksar M. Shaikh, Mr. S.B. Desai, Dr. A. B. Kolekar, Mrs. Mrunalini P. Jagtap, “Develpoement Of Household Water Purifier By Using UV Light”, Journal of Emerging Technologies and Innovative Research, © 2019 JETIR March 2019, Volume 6, Issue 3, p.p, 533-54010. Bhavana D. Mainkar, Ajit B. Kolekar, Atul A.Sagade, “Impact of Top Cover on Thermal Performance of CPC Solar Air Heater”, (IRJET) e-ISSN: 2395-0056 Volume: 06 Issue: 07 July 2019, p.p. 3526-3532 |
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