



Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research

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Research and Development Profile



Name: Mahesh P.Kumbhare

Experience: 10 Years

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Department of Mechanical Engineering

Prof. M.P.Kumbhare has completed Master in Mechanical Heat Power Engineering from Rajarshi Shahu College of Engineering Thathwade, Savitribai Phule Pune University in 2015 with First Class & Bachelor of Engineering in Mechanical Engineering from Walchand Institute of Technology ,Solapur in 2012 with Distinction . He has total 8 Years of Teaching experience His area of specialization is Heat Power and also taught the subjects in academics which includes Fluid Mechanics, Refrigeration and Air Conditioning, Strength of Materials, Turbo Machines and Energy Engineering.

Publications (Research Papers):

1. Prof. Mahesh P. Kumbhare,"Experimental analysis of thermal cooling of solar photovoltaic panel using PCM, JETIER, Volume 8, Issue 2, Feb 2021.
2. Prof. Mahesh P. Kumbhare," Cooling System for Solar Photovoltaic Panel -A review
3. (JETIR), Volume 7 Issue 4 , April -2020
4. Prof. R. S. Patil, Prof. M.P.Kumbhare "A Review paper on Improving the efficiency & the performance of solar panel by the use of silicon photovoltaic phase-change materials.", in Journal of Emerging Technologies and Innovative Research (JETIR) May 2019 Volume 6 Issue 5 ISSN-2349-5162.

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5. Prof. M.P.Kumbhare, "Review on power generation from non-conventional energy source in India especially from solar ", in Journal of Emerging Technologies and Innovative Research (JETIR) Jan 2019 Volume 6 No 1 ISSN-2349-5162.
6. Prof. M.P.Kumbhare, "Advancements & recent trends in wind energy ", in Journal of Emerging Technologies and Innovative Research (JETIR) Jan 2019 Volume 6 No 1 ISSN-2349-5162.
7. Prof. M.P.Kumbhare, "Review Paper On Solar Still With Bituman As A Phase Change Material For Water Distillation" in National Conference of Technical Revolution (NCTR-2018)at Anantrao Pawar College of Engineering & Research, Pune.
8. Prof. M.P.Kumbhare, "A Review On Calophyllum MethylEster As A Possible Source Of Fuel In CI Engine" in National Conference of Technical Revolution (NCTR-2017)at Anantrao Pawar College of Engineering & Research, Pune.
9. Prof. Mahesh P. Kumbhare, "Investigation of emission & performance characteristics of waste cooking oil from diesel engine using exhaust gas recirculation", in International Journal of Multidisciplinary Research and Development (IJMRD), Volume: 2, Issue: 7, 604-607 July 2015 e-ISSN: 2349-4182.

Patents:

1. Title of the Invention: "A METHOD TO REDUCE THE NUMBER OF SPOT WELDS FOR A PASSENGER CAR WHEEL"(Application No. 202221023899 A, Publication Date: 27/05/2022)

Workshops / FDPs / STTPs :

Sr. No.	Name of STTP Program/Workshop	Place/Institute Name	No. of Days	Month & Year
1	Online FDP on "Emerging Trends in Industry"	Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik	5	18th May 2021 to 22nd May 2021
2	AICTE- ISTE Refresher programme on Emerging Trends in Refrigeration and Air Conditioning	College of Engineering Pune	5	2021-03-15 to 2021-03-20
3	NPTEL Course on Refrigeration and Air Conditioning	IIT Roorkee	8 Week	Sept -Nov 2020



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4	AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering"	VISHWAKARMA INSTITUTE OF TECHNOLOGY.	5	2020-10-5 to 2020-10-9
5	AICTE Training And Learning (ATAL) Academy Online FDP on "Computational Fluid Dynamics"	Govt College of Engineering and Research Avasari.	5	2020-9-28 to 2020-10-2
6	NPTEL Course on Fluid Machines	IIT Kharagpur	8 week	Nov 2019
7	E content Development	Shahu college	2	Dec 2018
8	Emerging Refrigerants, Trends in Refrigeration Systems Design and Development	College of Engineering Pune	One Week	Dec 2017
9	Syllabus Implementation for BE Mech-2012- Refrigeration and Air-Conditioning Subject	MAEER'S MIT College of Engineering, Pune	01	Aug-2015
10	Advanced Mechanical Vibrations	D Y Patil Institute of Engineering and Technology, Ambi	02	March-2015
11	Foundation workshop for Faculty Development	D Y Patil Institute of Engineering and Technology, Ambi	02	Oct-2014