



AISSMS
COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade



Department of Mechanical Engineering

Faculty Profile

Dr. Dnyaneshwar S. Malwad

PhD (Mechanical Engineering)

Assistant Professor

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🔗 <https://scholar.google.co.in/citations?user=nRTGUJwAAAAJ&hl=en>

🔗 <https://www.researchgate.net/profile/Dnyaneshwar-Malwad>



Research Areas / Areas of Interest

Solar energy, Machine learning, Data Analytics, CAD/CAM

Personal Details

Date of Birth : 15 / 06 / 1987

Domicile: Maharashtra

Gender : Male

Blood Group: B+ve

Contact Details: 405, A1, BA Iris, Baif Road, Wagholi, Pune- 412207

Academic Background

S. No.	Qualification	Specialization	University	Class/ Grade	Year of Passing
1	Ph.D.	Mechanical Engineering	SRTMU, Nanded	--	July 2021
2	M.Tech.	Mechanical CAD/CAM	SRTMU, Nanded	FC With Dist.	July 2014
3	B.Tech.	Production Engineering	SRTMU, Nanded	FC	May 2012

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	04	05
2	Teaching and Research	03	09
3	Industry	0	00
4.	Others	--	--
Total		08	02

Subjects / Courses Taught

S. No.	Subject	UG/ PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Finite Element Analysis	UG	BE (Mechanical)	02
2	CAD/CAM	UG	BE (Mechanical)	03
3	Computer Aided Engineering	PG	FYM Tech (Mech-CAD/CAM)	04
4	Digital Manufacturing	PG	FYM Tech (Mech-CAD/CAM)	02
5	Solid Modelling and Drafting	UG	SE Mechanical	01
6	AI and ML	UG	TE Mechanical	01
7	Solar and Wind Energy	UG	BE Mechanical	01
8	Numerical and Statistical Methods	UG	TE Mechanical	01

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	00	07	--	04	02
Conferences	02	02	00		--

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ISSN	Publisher
1.	"Deformation mechanism analysis of single point incremental sheet metal forming.	Malwad D. S., and V. M. Nandedkar	2014	Procedia materials science	2211-8128	Elsevier
2	"Optimization of process parameter on Surface Roughness (Ra) and Wall Thickness on SPIF using Taguchi method	Uttarwar P. B., S. K. Raini, and D. S. Malwad	2015	<i>International Research Journal of Engineering and Technology</i> , 2.9 781-784.	2395-0056	
3	"Performance Analysis of Scheffler Solar Concentrator for Turmeric Blanching."	Dnyaneshwar Malwad and Vinod Tungikar	2020	<i>Advanced Engineering Forum</i> , 36 : 13-22.	2234-991X	Trans Tech Publications Ltd, Switzerland
4	Thermal Performance Analysis of Glazed and Unglazed Receiver of Scheffler Dish	Dnyaneshwar Malwad and Vinod Tungikar	2020	Journal of Thermal Engineering 6, no. 5: 786- 801	2148-7847	

5	Experimental performance analysis of an improved receiver for Scheffler solar concentrator	Dnyaneshwar Malwad and Vinod Tungikar	2020	SN applied science, 2, no. 12: 1-14	2523-3971	Springer
6	Development and performance testing of reflector materials for concentrated solar power: A review	Dnyaneshwar Malwad and Vinod Tungikar	2020	Materials Today: Proceedings, 46, no. 1,: 539-544	1369-7021	Elsevier
7	Parametric Analysis of Scheffler Concentrator with Convex Receiver for Direct Steam Generation	Dnyaneshwar Malwad and Vinod Tungikar	2020	Int. Journal of Renewable Energy Technology 11, no.4,: 319-334	1757-398X	Inderscience

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	Organised by
1.	Role of reflector material in performance of compound parabolic concentrator	Salve A. R., D. S. Malwad, and V. B. Tungikar	2018	. 7th National conference on Recent Developments In Mechanical Engineering RDME-2018,	M.E.S. College of Engineering, Pune
2.	Use of concentrated solar power for turmeric blanching	Dnyaneshwar Malwad and Vinod Tungikar	2019	34th Indian Engineering Congress, Institution of Engineers (India), 27th - 29th December 2019	Hyderabad

3	A Review on Recent Development in Solar Dryer	Dnyaneshwar Malwad et al.	2022	NCIET-2022	AISSMS COE Pune
4	“Experimental Analysis of E-glass and Carbon fiber composite material for Railway Sleepers	Dnyaneshwar Malwad, Manoj Bauskar	2022	NCIET-2022	AISSMS COE Pune

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	00	04

Professional Memberships

Professional Body	Level (National/International)	Type (Fellow/Life /Annual)	Membership No.
Solar Energy Society of India	National	Life	LM/2566/2021

Patents / IPR Filed / Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details
1	1. Dnyaneshwar Malwad and Vinod Tungikar	System to Heat a Fluid Using Solar Energy	2019	Response to FER submitted	Application Number: 201921049373
2	Dnyaneshwar Malwad, Masnaji Kukulwar and Vinod Tungikar	System and Method to Dry Turmeric using Solar Energy	2019	Response to FER submitted	Application Number: 201921040162

Books Published

S.No	Title	Name of the Publisher	ISBN/ISSN Number

Research Grants Received (Rs. 6,60,000 Research Grant + Rs. 1,00,000 Under QIP)

S. No	Program	Duration	Funding Agency	Grant Amount (Rs)
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Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
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Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1	Gramin College of Engineering, Nanded	Future Renewable Energy	Regional	30/12/2020

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1.	Emerging Trends in Productivity	FDP	10-11, January 2014	SGGSIE&T, Nanded	TEQIP
2.	Modern Manufacturing Technologies	FDP	5 -9 March 2014	SGGSIE&T, Nanded	TEQIP-II
3.	Young Teachers Orientation Program	FDP	14 &15 July 2014	SGGSIE&T, Nanded	TEQIP-II
4.	Introduction to Design of Experiments (DoE) & Robust Design	Industrial Training	16 – 17 Oct. 2014	ANSYS Software Pvt Ltd, Bangalore	SGGSIE&T, Nanded
5.	E-foundry Workshop	FDP	6 & 7 April 2015	SGGSIE&T Nanded	TEQIP-II
6	Research Methodology - Application of Statistics in Research	FDP	11-12 March 2016	IOK COE, Pune	IOK COE, Pune
7	World Class Practices in Transport Managemen	Industrial Training	13 January 2017	Impact Logistics solution Pvt. Ltd. Pune	IOK COE, Pune
8	International conference on Advanced Materials, Energy and Environmental Sustainability	Conferen ce	14 -15 December 2018	University of Petroleum and Energy Studies, Dehradun, Uttarakhand	TEQIP-II
9	Inclusive Technical Education in National Context: Challenges and Solutions,	FDP	11 -12 January 2019	SRTMU Nanded	AICTE

10	International Conference on New and Renewable Energy Resources for Sustainable Future	Conference	7– 9 November 2019	SKIT, Jaipur	Rajasthan Technical University
11	34 th Indian Engineering Congress	Conference	27 -29 December 2019	IEI, Hyderabad	IEI
12	Green Technology and Sustainability Engineering	FDP	14 -18 September 2020.	NIT, Jamshedpu	AICTE
13	Start-ups in Solar Energy Technologies	FDP	28 – 30 September 2020	National Institute of Solar Energy (NISE), Gurugram	MNRE

Major Professional Responsibilities Handled

S. N.	Role and Responsibilities
1.	CAD/CAM lab faculty in-charge
2.	Industrial visit coordinator
3.	SPPU theory examination assistant senior supervisor
4.	Admission counselor at DTE facilitation center
5.	Direct second year admission coordinator

Awards and Recognition

S. N.	Awards
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Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.



Dr D. S. Malwad

Assistant Professor

Department of Mechanical Engineering

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