



Department of Mechanical Engineering

Faculty Profile

Ms. Pranjali R. Tete

Ph.D. (Mechanical Engineering)(Pursuing)

M. Tech. (Heat Power Engineering)

B.E. (Mechanical Engineering)

Assistant Professor

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pranjalitete@gmail.com



🔗 <https://scholar.google.com/citations?user=RtVGXCkAAAAJ&hl=en>

🔗 <https://www.linkedin.com/in/pranjali-tete-6632a4a1/>



Research Areas / Areas of Interest

Battery Thermal Management Systems of Electric Vehicles, Thermal Engineering, CFD

Personal Details

Date of Birth : 06 / 04 / 1993

Domicile: Maharashtra

Gender : Female

Blood Group: B-ve

Contact Details: Dighi, Pune, Maharashtra 411015

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Mechanical Engineering	Nagpur	--	Pursuing
2	M.Tech.	Heat Power Engg.	Nagpur	I st	2016
3	B.E.	Mechanical Engineering	Nagpur	I st	2014

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	2	06
2	Research	3	00
3	Industry	0	0
4.	Others	--	--
Total		5	6

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Engineering Thermodynamics	UG	SE (Mechanical)	04
2	Fluid Mechanics	UG	SE (Mechanical SW)	02
3	Engineering Drawing	UG	FYME (Mechanical)	04
4	Workshop Technologies	UG	FYME (Mechanical)	01
5	Operations Research	UG	TE	01

6	Engineering Metallurgy	UG	SE	01
7.	Computer Aided Drawing	UG	BE	01

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	-	01	04	02	-
Conferences	-	04	-	-	-

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1.	Numerical investigation on thermal characteristics of a liquid cooled lithium-ion battery pack with cylindrical cell casings and a square duct	Pranjali R. Tete, Mahendra M. Gupta, Sandeep S. Joshi	2022	Journal of Energy Storage, Volume 48, 2022, 104041, https://doi.org/10.1016/j.est.2022.104041	ISSN 2352-152X	Elsevier Impact Factor: 8.907
2.	Developments in battery thermal management systems for electric vehicles: A technical review	Pranjali R. Tete, Mahendra M. Gupta, Sandeep S. Joshi	2021	Journal of Energy Storage, Volume 35, 2021, 102255, https://doi.org/10.1016/j.est.2021.102255	ISSN 2352-152X	Elsevier Impact Factor: 8.907

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
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1.	Numerical Simulation of a Finned-Surface Prismatic Lithium-Ion Battery Thermal Management System	Pranjali R. Tete, Puneet Kedar, Mahendra M. Gupta, Sandeep S. Joshi	2022	Smart Technologies for Energy, Environment and Sustainable Development, Vol 1. Springer Proceedings in Energy. Springer, Singapore. https://doi.org/10.1007/978-981-16-6875-3_64	-	GHRCE, Nagpur
2.	Numerical Analysis of Battery Thermal Management System using Natural Convection and Different Phase Change Materials	Puneet Kedar, Pranjali Tete, Mahendra Gupta, Sandeep Joshi	2021	International Conference on Advances in Sustainable Research for Energy and Environmental Management (ASREEM-2021)	-	SVNIT, Surat
3.	Review on Agrophotovoltaic systems with a premise on thermal management of photovoltaic modules therein	Rahul Waghmare, R. Jilte, Sandeep Joshi, Pranjali Tete	2021	International Conference on Advances in Sustainable Research for Energy and Environmental Management (ASREEM-2021)	-	SVNIT, Surat
4.	Future of nanotechnology: An overview	Shubhangi P. Gurway and Pranjali R. Tete,	2019	AIP Conference Proceedings 2104, 030041 (2019) https://doi.org/10.1063/1.5100468	ISSN 1018-3639	KDKCE, Nagpur

PhD / ME / BE Student Guided for Project

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

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.

Patents / IPR Filed / Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details
1	Dr. Sandeep Joshi Dr. Mahendra Gupta Pranjali Tete Puneet Kedar	A System For Cooling of Battery Cells	2021	Published (FER Response submitted)	Application No. : 202121028817

Books Published

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

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount

Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
01					

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1					
2					
3					
4					

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities

Awards Received

S. No.	Awards
1	PLATINUM AWARD in Research Scholar Category by Confederation of Indian Industry, CII MILCA AWARDS 2022 Gurugram, Haryana, India
2	AWSAR- 2022 Best Popular Story Award constituted by the Department of Science & Technology, Gol.

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

Ms. Pranjali R. Tete