

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES**STAFF PROFILE INFORMATION**

1	Name of Faculty	Mr. Sagar Arjun Dalvi			
2	Designation	Assistant Professor			
4	Date of Joining the Institute	23 June 2025			
5	Contact No.	8975196791			
6	E-mail	sagardalvi20@gmail.com			
7	Date of Birth	10/09/1986			
8	Specialization	Mechanical Engineering			
9	Qualification	UG	PG	Ph.D.	
		B.E. Mechanical	M.E. Heat Power	--	
10	Total Experience	Academic	Industrial	Total	
		12 Yrs.	2.5 Yrs.	14.5 Yrs.	
11	Publications (Journals)	National	International		
		06	--	06	
12	Publications (Conferences)	National	International	Total	
		--	--	--	
13	PG/Ph.D. Projects Guided	PG Projects	Ph.D. Projects	Total	
		--	--	--	
14	Books Published/IPRs/Patents	--			
15	Professional Bodies Memberships	--			
16	Consultancy Activities	--			
17	Awards / Achievements	--			
18	Grants Received	--			

FDP/ WORKSHOP ATTENDED

1. FDP conducted by, **Vidya Pratishthan's Polytechnic College, Vidyanagar, Indapur, Pune**
Duration – Five days.
Subject- **How to publish research paper in Scopus index journal**
2. Workshop conducted by, Bharat Space Education Research Centre
Duration – One day.
Subject- **Advance Drone Technology.**
3. FDP conducted by, **NPTEL- AICTE- IIT MADRAS**
Duration – 8 Week.
Subject- **Steam and Gas Power Systems**
4. Workshop conducted by, **Sandip Institute and Technology, Nashik**
Duration – Two days.
Subject- **Efficient Technology for Waste Heat Recovery**
5. FDP conducted by, **SPM Polytechnic, Kumathe, Solapur**
Duration – Two days.
Subject- **Recent trend in Power Electronics and AI/ML**
6. Mini Symposium conducted by, **IUCEE (Indo Universal Collaboration for Engineering Education)**
Duration – Two days.
Subject- **Best practices in Industry- Academia Collaboration**

MSBTE TRAININGS ATTENDED

1. Short term training programme conducted by, **ZEAL'S Dnyanganga Polytechnic, Narhe, Pune.** Duration - Five days.
Subject- Advance trends in I.C. Engine.
2. Short term training programme conducted by, **PDEA'S Institute of Technology, Hadapsar, Pune.** Duration - Five days.
Subject- Equipment/ Instruments handling, trial & maintenance in Mechanical laboratories.
3. Industrial training programme conducted by, **Reliance Infra Ltd., Dahanu Thermal Power Station, Mumbai.**
Duration - Five days.
Subject - Power Plant Familiarization.
4. One day 'G' Scheme orientation programme conducted by, **Pimpri Chinchwad Polytechnic Pune and AISSM Pune** for subject **MED & Thermal Engg.** Respectively
5. Industrial training programme conducted by, **Adani Energy., Dahanu Thermal Power Station, Mumbai.**
Duration - Five days.
Subject - Power Plant Familiarization.

RESEARCH PAPER PUBLISHED

Sr. No.	Name of Article	Name of journal	Vol- issue-Year
1	Performance of solar collector using recycled aluminium cans for drying. J Mines Met Fuels	Journal of Mines, Metals & Fuels	72-5-2024
2	Thermal Performance Analysis of Electronic Components on Different Substrate Materials	Journal of Mines, Metals and Fuels	2024
3	Investigating the Impact of Oxygenated Additives on Exhaust Emissions from Unleaded Gasoline Vehicles.	Journal of Mines, Metals & Fuels	73-2-2025
4	Passive Cooling of EV Batteries Using Phase Change Material: A Simulation Study.	Journal of Mines, Metals & Fuels	73-2-2025
5	Effect of Transformed-Induced Plasticity Steel Plate Thickness on Ultimate Tensile Strength of Butt Welded Joint using Nd: YAG Laser	International Journal of Vehicle Structures & Systems	16-6-2024
6	Corrosion-Resistant Materials for Ocean Structures: Innovations, Mechanisms, and Applications	Sustainable Marine Structures	7-3-2025