



AISSMS
COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade



Department of Mechanical Engineering Faculty Profile



Dr. Shahid Ali I.A

Ph.D (Tech) (Mechanical) MTech(Thermal & Fluid Engg.)

Assistant Professor

✉ saansari@aissmscoe.com

shahid.ansari1507@gmail.com

☎ --; Extn: --1820

Research Areas / Areas of Interest

Thermal Energy Storage, Multi Phase Flow, Thermal Engineering, Fluid Dynamics

Personal Details

Date of Birth :	15 / 07 / 1986	Domicile:	Maharashtra
Gender :	Male	Blood Group:	AB+ve
Contact Details:	AISSMS , Pune – 411014		

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D (Tech)	Mechanical Engineering	ICT Mumbai	April 2025

2	M.Tech	Mechanical – Thermal & Fluid Engineering	Dr.Babasaheb Ambedkar Technological University	First class	December 2011
3	B.E.	Mechanical Engineering	North Maharashtra University	First Class with Distinction	June 2009

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	15	02
2	Research	00	00
3	Industry	00	00
4.	Others	--	--
Total		15	02

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Engg Thermodynamics	UG	SE (Mechanical Engineering)	10
2	Thermal Engg	UG	SE (Mechanical Engineering)	08
3	RAC	UG	TE BE (Mechanical Engineering)	08
4	Turbo machinery	UG	TE (Mechanical Engineering)	06
5	Power plant engineering	UG	BE(Mechanical Engineering)	05
6	Heat And Mass Transfer	UG	TE (Mechanical Engineering)	02
7	Mechatronics	UG	TE (Mechanical Engineering)	2

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	05	06	0	5	0
Conferences	04	05	1	0	0

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1	Performance Evaluation of Paraffin Wax as Phase Change Material in a Horizontal Cylindrical Thermal Energy Storage Unit	Shahid Ali ^{1,2,*} , Suresh Pandurang Deshmukh ¹ , Ahmad Tajuddin Mohamad ³ , Mohammad salman Warimani ⁴ , Sher Afghan Khan ⁵	2025	https://doi.org/10.37934/arfmts.130.2.150165	Issue 2 (2025) 150-165	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences
2	Verification Of Forming Force, Major And Minor Strain For UHMWPE For Single Point Incremental Forming by Using Experimental And Analytical Approach.	Manoj P Bauskar ¹ , Prashant Singh ² , Shahid Ali ³ , Manish S Deshmukh ⁴	2025	https://theasped.com/index.php/jes/article/view/3482	2229-7359 Vol. 11 No. 16s, 2025	International Journal of Environmental Sciences
3	CFD Modeling And Analysis Of Modified Cold Storage For Precooling Conditions For Tomato	Milind S Swami ^{1*,2} , Manoj R Dahake ³ , Manish S Deshmukh ³ , Priya S Gajjal ³ , Chandrakishor Ladekar ⁴ , Shahid Ali ⁵	2025	https://theasped.com/index.php/jes/article/view/4810	2229-7359 Vol. 11 No. 16s, 2025	International Journal of Environmental Sciences

4	An Overview: Applications of Thermal Energy Storage Using Phase Change Materials	Shahid Ali [†] , S.P. Deshmukh	Feb 2020,	Materials Today: Science Direct Elsevier. I.F =1.4 https://doi.org/10.1016/j.matpr.2020.02.247	2214- 7853	Materials Today
5	Improvement of Mechanical Properties of Aluminium Nano Composites Reinforced with Zirconia Nano Particle	Mahvi Malik Shahzad1, Shahid Ali2	Jan 2019,	Vol. 29, No. 8s, (2020), pp. 4941 – 4951	(0747- 9964	International Journal of Advanced Science and Technology
6	“Investigation of Hydraulic Jump due to Two Phase Air – Water Flow in a Rectangular Duct”	Shahid ali	January 2015	Vol.9 No.2 July 2015 http://dx.doi.org/10.18000/ijodam.70153	Vol.9 No.2 July 2015	International Journal on Design and Manufacturing Technologies

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
----------	------------------	---------	------	-----------------------	------	-----------------

1.	Elevator Water Pump	Prof. Shahid Ali1, Lukman Memon2	November 2018,	6th International Conference on Recent Trends in Engineering & Technology (ICRTET - 2018)	www.ijrteam.org	SNJB NASHIK
2.	Experimental Investigation on Hydraulic Jump in Sudden Expansion Duct	Shahid Ali 1, Mudassir Ansari2,	June 2019,	1st National Conference on Technology	ISSN (e): 2250-3021, ISSN (p): 2278-8719 PP 23-28	Maulana Mukhtar Ahmed Nadvi Technical Campus (MMANTC)India
3	A Review on Utilization of Waste Plastic in Bituminous Roads	Tauseef Ansari3, Shahid Ali4,	June 2019	1st National Conference on Technology	ISSN (e): 2250-3021, ISSN (p): 2278-8719 PP 34-39	Maulana Mukhtar Ahmed Nadvi Technical Campus (MMANTC)India

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	00	10

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
	-	-	-	-	-

Books Published

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

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount
1	Design of evaporator cavity	1 YEAR	Shree Ram cold storage	10000

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

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

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1	MMANTC	CO-PO Mapping & its Attainment	State	10 th Sep 2020

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Thermal Energy Storage for Building Applications	FDP	25th January 2021 to 29th January 2021	National Institute of Technology Rourkela	AICTE
2	Solar Energy Conversion & Storage	FDP	31/08/2020 to 04/09/2020	Rajasthan Technical University, Kota	AICTE
3	NPTEL	Workshop	Aug 13, 2020	Galgotias University, Uttar Pradesh	AICTE

4	Bio-Energy: Technologies & Transitions	STTP	13 - 17 May, 2020	National Institute of Technology, Kurukshetra	TEQIP-III
5	Thermal Energy Storage for Effective Energy Management	QIP short term course	10-14 Feb, 2020	IIT Kanpur	QIP
6	Research Methodology-Techniques and Software	STTP	11 th -15 th November 2019.	KBPCOE Satara	Dr BATU
7	Two Week ISTE Workshop on Fluid Mechanics	Two Week ISTE Workshop	20th to 30th May 2014.	IIT kharagpur	ISTE
8	Two Week ISTE Workshop on Engineering Mechanics	Two Week ISTE Workshop	6th Nov to 06th Dec, 2013.	IIT Bombay	ISTE
9	Advanced Computational Fluid Dynamics (ACFD)	FPD	28 th June to 02 nd July 2014.	MNNIT Allahabad	AICTE
10	LaTeX	STTP	16th to 17th March 2012	GIT Lavel	GIT Lavel

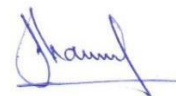
Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1.	Project coordinator, TPO, NAAC, NBA and Faculty Audit documentation, Project Guidance to UG students, Mentor for UG.

Awards Received

S. No.	Awards
1.	

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



Dr. Shahid Ali I.A

(Name with Signature)

