

BIO DATA

Name Designation and Address	Dr. Shivling Mahaling Pise Dean, School of Engineering, Technology & Management, TKIET WARANANAGAR DOB: 24/12/1964 Address: Mallahar Heritage, Flat No. 203, E Ward, Tarabai Park, Kolhapur, Pin Code - 416012	
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1. Educational qualifications:

No	Qualification	Subject(s)	Year	Institute
1.	Ph. D.	Mechanical Engineering (Refrigeration Engineering- Milk Processing & Energy Savings)	2017	Shivaji University, Kolhapur
2.	ME	Mechanical Engineering (Heat Power Engineering)	1990	Walchand College of Engineering, Sangli, Maharashtra
3.	BE	Production Engineering	1987	KIT's College of Engineering, Kolhapur
4.	Diploma [DME]	Mechanical Engineering	1984	Walchand College of Engineering, Sangli, Maharashtra

2. Experience: 36 Years of experience comprising of Teaching, Administration and Research, details are as below –

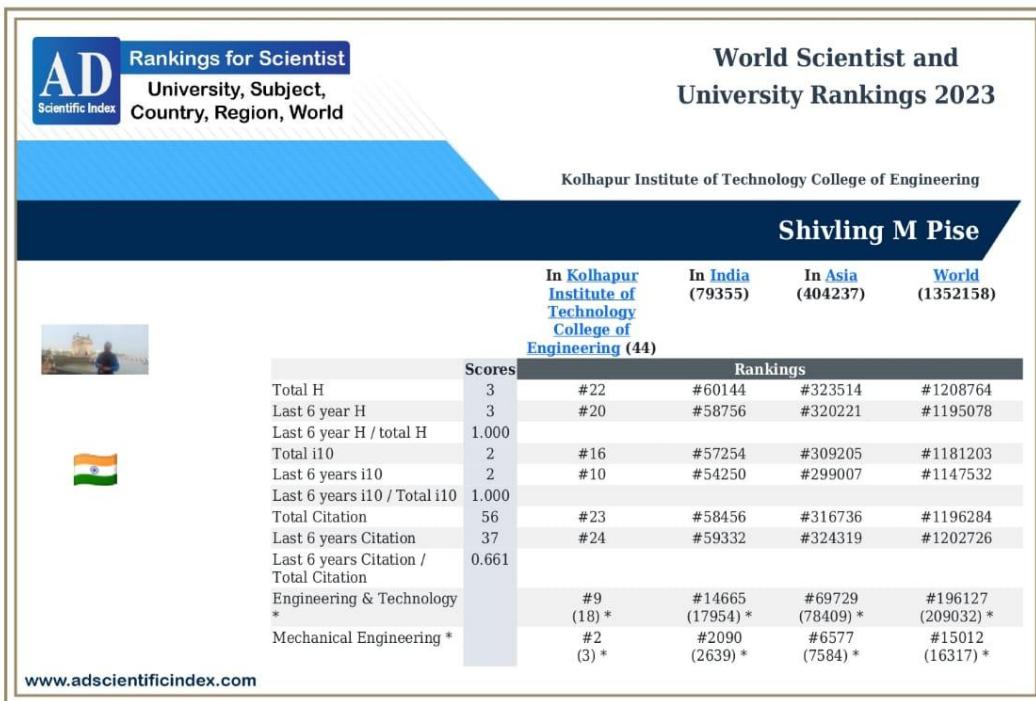
Sl. No	Designation	Organization with address	Position	Duration
1.	Dean, School of Engineering, Technology & Management,	TKIET WARANANAGAR	Dean, School of Engineering, Technology & Management	8 Feb. 2024 - Till date
2.	Dean, Research & Development	KIT's College of Engineering (Autonomous), Kolhapur	Dean, Research & Development	Sept 2016 to 7 th Feb. 2024
3.	Professor, Dept. of Mechanical Engineering	KIT's College of Engineering	Professor	July 2017 - 7 th Feb. 2024

		(Autonomous), Kolhapur		
4.	Head, Department of Mechanical Engineering	KIT's College of Engineering (Autonomous), Kolhapur	Head of Department	June 2017 to Dec. 2018
4.	Head, Dept. of Production Engineering	KIT's College of Engineering (Autonomous), Kolhapur	Head of Department	Dec. 2016 to June 2018
5.	Head, Dept. of Mechanical Engineering	KIT's College of Engineering Kolhapur	Department Head	Nov. 2005 to Dec 2009
6.	Assistant Professor in Production engineering	KIT's College of Engineering, Kolhapur	Assistant Professor	Aug. 2001 to April 2002
7.	Senior Lecturer in Production Engineering	KIT's College of Engineering, Kolhapur	Senior Lecturer	August 1995 to July 2001
8.	Lecturer in Production Engineering	KIT's College of Engineering, Kolhapur	Lecturer	August 1988 to August 1995
9.	Project Champion for NABARD Funded Project on BMC Redesigning	KIT's College of Engineering, Kolhapur	Project Champion	Jan 2010 to 2017
10.	Coordinator MAYURA AICTE IDEA LAB	KIT's College of Engineering (Autonomous), Kolhapur	Coordinator	Jan.2021 to till date
11.	Principal Investigator NIDHI i-TBI DST Funded Project	KIT's College of Engineering (Autonomous), Kolhapur	Principal Investigator	2020 to till date
12.	Chief Mentor AICTE MARGDARSHAN SCHEME	KIT's College of Engineering (Autonomous), Kolhapur	Chief Mentor	Oct. 2021 till date

Summary of Publications:

Sr. No	Publications	No of Publications
1.	International Journal	14
2.	International Conferences	08
3.	National Conferences	18
4.	Peer reviewed Book Chapter in International Book [Circulated in 200 countries]	01

World Scientist & University Ranking 2023:



i. TECHNICAL ADVISER for 6 Sigma Cluster Project:

Worked as a TECHNICAL ADVISER for 6 Sigma High Tech. Manufacturing cluster Project worth Rs. 18 Crore funded by Maharashtra State, Government of India, MSME Pune Division. My role was to finalise the machines, specifications, accessories and to establish a setup. This project is successfully implemented.

4. Details of Fellowships /Memberships in professional academic:

Sr. No	Name of the body	Member ship & Duration
1.	ISTE Life Member	Life Member LM - 5180
2.	ISHRAE Member	Member ship No 16301
3.	Member Board of Studies Mechanical Engineering, Shivaji University, Kolhapur	Five Years [2013- 2018]

4.	Member Board of Studies Mechanical Engineering, Shivaji University, Kolhapur	Five Years [2018- 2023]
5.	Technical Adviser for High-Tech Engineering Cluster at 5 Star MIDC Kagal	Since Preparation of DPR [January 2022]
6.	President of Institute Innovation Council governed by AICTE New Delhi	Year 2019-2022
7.	Member of Institute Innovation & Start-up Policy [IISP]	Feb 2021 onward
8.	Member of Institute Innovation Council of RIT's College of Engineering, Sakhrale, Islampur. Governed by AICTE New Delhi	Year 2020-2021 onward
9.	Member of MSME scheme of KIT Governed by Central Government of India	Since Jan. 2022
10.	Member of Research Grant to College Teachers, Shivaji University, Kolhapur	Year 2021-22
11.	Coordinator for NIRF Ranking at KIT	Year 2021-22
12.	Member of Academic Council of Annasaheb Dange College of Engineering & Technology ADCET Ashta, Nominated by Hon. VC Shivaji University, Kolhapur	Year 2022 to till date
13.	Mentor for SIBIC Incubation Center, Kolhapur	Since 2022 onwards

5. Awards and other recognitions:

1. Recipient of Best innovative Research Award from ISTE New-Delhi 2020-21:

Ph. D. Research work is successfully implemented in Gokul Dairy, which has resulted in 40% energy savings for which **ISTE New Delhi has awarded as a “BEST INNOVATIVE RESEARCH AWARD”** of the year 2021 and felicitated at the hands of **Chief Minister Hon. Uddhavaji Thakre and Hon. Satej D. Patil, Minister of State of Home at Mumbai.**

2. Recipient of Research Excellence Award 2023 conferred by IEI NMLC-FCRIT Navi-Mumbai:

Research excellence award is conferred for **overall contribution &achievements in different verticals of research** such as research funding received, Research Publications, Research projects completed, Contribution in incubation, startup and product development activities etc.

3. One of the notable recognition is shortlisted amongst 30 faculties for “**AICTE VISHWESWARYA AWARD (NATIONAL TECHNICAL TEACHERS AWARD) 2022-23**”given by AICTE

4. Received a best research paper award for a research article on **“Resource Optimization Through Low-Cost Automation - A Case Study”**, International Conference on Recent Trends in Automation & Its Adaptation to Industries, PICA - 2006, Organized by Priyadarshini College of Engineering & Architecture, Nagpur, July 11-14, 2006.

5. Received a best research paper award for a research article on “**Just-In-Time Manufacturing System: A Case Study of High-Pressure Hydraulic Fittings Manufacturer**”, National Conference on Challenges in Achieving Global Quality. Organized by Thiagarajar College of Engineering, Madurai May, 24-25, 2004.

6. Details of funds received from different organisations & Projects implemented as a PI:

FUNDS RECEIVED & PROJECTS IMPLEMENTED:				
No	Project Title	Funding Agency	Funds Received	Impact
1.	NIDHI i-TBI	DST, Govt. of India	4,95,00,000/-	Created ecosystem will help incubators, startups and product development activities
2.	MAYURA AICTE IDEA Lab	AICTE & Industry	1,67,85,000/-	Setup is utilized by more than 5000 students, 350 faculties and 100+ industries till date
3.	MARGDARS HAN	AICTE	35,00,000/-	7 Institutes are benefited & will result in NBA accreditation
4.	ATA FREIGHT	Multination al	12,00,000/-	Conduct research on “Climate Control of Barn”
5.	Redesigning of Bulk Milk Cooler	NABARD, Pune	8,75,000/-	Setup created is utilized for faculty research & student Projects
6.	FDP on FEA and field applications	AICTE	1,50,000/-	Benefited 60 participants from institutes & industry
Total Funds received		Rs. 7,20,10,000		

7. Notable information:

- I have passion to work in the field of research. My doctoral research has been done in the field of milk processing and has been implemented in one of the milk collection center of Kolhapur Zilla Sahakari DudhUtpadak Sangh Ltd., Kolhapur.
- Conduct of seminar on MILK PROCESSING for AASTU UNIVERSITY ADDIS ABABA ETHOPIA for research scholars
- Conduct of domain specific 50 hours training program on MILK PROCESSING for Technical Staff of Gokul Dairy
- Technology Transfer of WASTE HEAT RECOVERY SYSTEM from Bulk Milk Coolers
- Expert lecture on WASTE HEAT RECOVERY organized by FICCI & PCRA
- I have been working as a Principal Investigator for DST funded SATHI Project submitted by Shivaji University, Kolhapur. KIT's College of Engineering (Autonomous), Kolhapur is associate institute of SATHI Project.
- Design and manufacturing of 40 liters Mini Bulk Milk Cooler

- I am the recognised Ph. D. Guide for Shivaji University, Kolhapur. 4 research scholars working under my supervision. Guided and supervised 15 Plus PG students in completion of Project work. Guided & Supervised more than 300 plus UG students in project completion.
- Working on Design, development & Manufacturing of 2-Wheeler First Responder Ambulance.

8. Implementation of Research Work:

Implementation work is completed based on the Ph. D. research work. Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., Kolhapur has given a work order for implementation of HEAT RECOVERY SYSTEM on one of the Bulk milk Cooler centres at Chuye, District – Kolhapur of Gokul Dairy, Kolhapur in the month of Feb. 2020. It is found that energy saving in the milk collection centre nearly 50%.

Features of retrofitted system:

- 200 liters of hot water during the first milking & 200 liters of hot water during second milking is generated free of cost.
- In a day 400 liters of water is generated having temperature 55°C to 58°C , which is sufficient for cleaning the dairy equipment.
- Return on investment is 8 months.
- Green Technology.
- Maintenance free
- No monitoring is required.
- Reduction in thermal pollution



1 Heat Recovery unit Installed at Chuye BMC Center Gokul Dairy

9. Signed **MoU with BARC Mumbai** resulted in sanctioning of **8 Technology Transfer Products** to KIT which is useful for rural area.



MoU Signing Ceremony at BARC Mumbai

10. On going research projects:

1. Design, development & manufacturing of Two-wheeler first responder ambulance
2. Use of Quantum water for enhancing shelf life of Butter Milk
3. Implementation of Climate Control systems in Barn for enhancing milk production. For which received Rs. 12 lakhs funding from a multinational company, A. T. A Freight Pvt. Ltd. Pune
4. Working as a technical adviser for 2 Japanese Organisations namely "**Arhan Japan Kabushiki Kaisha, Nagoya, JAPAN**" & "**Miyakawa Industry Co. Ltd. Japan**" for their project installations in Indian.

Date:16th May 2025

Dr. Shivling M. Pise

References:

1. Dr. S. N. Sapali
Director, Department of Technology, Shivaji University, Kolhapur
2. Dr. S. D. Kore
Director, VJTI, Mumbai
3. Mr. Chandrashekhar Dolli
CMD, Mayura Steel Pvt. Ltd. Kolhapur
4. Mr. Mangesh Patil
CMD, Maurya Group of Companies, Kolhapur