

Faculty Profile

Name Mr. Rishikesh H Tike
Designation Assistant Professor
Department Basic Science & Engineering
Email rhtike@pict.edu
Phone +91-8669062811



Educational Qualifications

Degree	University/Institution	Year of Passing
Ph.D.	SJIT University, Jaipur, Rajasthan	2025
M.E. (Mech- Design)	Flora Institute of Technology, Pune	2017
B.E. (Mechanical)	K. J College of Engineering, Pisoli Pune	2014

Professional Experience

Sr. No.	Designation & Institute	Duration
1	Associate Professor, PICT Pune	2024 - Present
2	Assistant Professor, DYPCOE, Akurdi, Pune	2022-2024
3	Assistant Professor, Flora Institute, Pune	2017 - 2022

Research Publications

Sr. No.	Title	Journal/Conference
1	The Airbag System For 2-Wheeler Vehicle System.	ISSN: 2321-3051 IJARME, 2014
2	Design, Development And Finite Element Analysis of Spur Gear Train of Portal Axle.	MEPGCON, 2017
3	Towards a safer online community: A Review of ML Approach for toxic comment classification	IRJMETS
4	Analysis and Enhancement of Rear Axle for Hybridization of Electric Drive on Swift Dzire	IRJET, 2024
5	Metal Matrix Composite for Various Compositions of CF-Steel Materials and Their Mechanical Properties Using Taguchi Method	Conference held at JJTU Renewable Energy Exchange, 2024

6	Multi-Response Optimisation of Wear Behaviour of Epoxy Composites Reinforced with Metallic and Ceramic Particles Using Taguchi-Grey Method	Scopus indexed Journal of Mines, Metals and Fuels, 2024
7	A Review of Mechanical Properties of Composite Material Used to Manufacture Spur Gear	JJTU Journal of Renewable Energy Exchange, 2025

Books Published

Sr. No	Title	Publisher & Year
1	Additive Manufacturing	Nirali Publication 2022
2	Fundamentals of Automobile Design	Nirali Publication, 2023
3	Renewable Energy Sources	Nirali Publication, 2023

Conferences / Seminars Attended

Sr. No.	Conference/Seminar	Year
1	Conference attended on Renewable Energy Exchange.	2024
2		

Awards & Recognitions

Sr. No.	Award/Recognition	Year
1	Composite Material Property Calculator Using Machine Learning- Copyright Awarded(SW-20329/2025)	2024
2	Indian Patent Published on Machine Learning Operated Temperature Controlled Solar-Driven Vaccine Box Using Peltier Module With High- End Security (202521029643)	2025

Areas of Interest

Sr. No.	Area
1	Mechanical Design
2	Composite Material
3	Additive Manufacturing
4	Mechatronics