

Department Name: Mechanical Engineering



1. **Name of Faculty:** Dr. Digvijay Ankush Patil

2. **Designation:** Assistant Professor

3. **Qualification:** B.E (Mechanical) – Shivaji University, Kolhapur

M. Tech. (Thermal & Fluids Engineering) – Dr. B.A.T.U. Lonere

Ph.D. (Mechanical) – IIT Indore

4. **PG/Degree/Diploma :** PG (Heat Power)

5. **Email Id:** digvijay.patil@walchandsangli.ac.in

6. **Contact Number:** 9890017823

7. **Research Area:** Heat transfer, Air-conditioning

8. **Number of Publications:**

Conference		Journal	
National	International	National	International
01	01	00	03

9. **Patent:**

R. Kumar, & D. Patil, “Vertical falling film gas liquid tower”, Indian patent application No. 201721028014 (Application Filed).

10. **Biosketch (150 Words max.)**

I have completed my Ph.D. in the Department of Mechanical Engineering (Thermal Science), IIT Indore, under the supervision of Dr. Ritunesh Kumar. I have done extensive research in the falling film tower for the liquid desiccant application as an alternative for

the traditional air-conditioning system. I have published three international journal papers, one international conference paper and one Indian patent (application submitted) from my Ph.D. work. I have done a Master of Technology (M.Tech.), in Thermal and Fluids Engineering under the supervision of Prof. Neeraj Agrawal at Dr. Babasaheb Ambedkar Technological University, Lonere. I have one national-level conference paper from M.Tech. Dissertation. In addition, we get the 9th Bry Air Award for project on “Two stage indirect-direct evaporative cooling system”. I Joined Walchand College of Engineering, Sangli in August 2021.