



**Capsule Course**  
**On**  
**INDUSTRIAL HVAC DESIGN AND PRACTICES**  
**September 8, 2025**

The Capsule Course on Industrial HVAC Design and Practices is designed for students seeking practical exposure to heating, ventilation, and air conditioning (HVAC) systems in industrial applications. Covering fundamentals such as thermal comfort, psychrometry, load calculations, system selection, and energy-efficient design, the course blends theory with real-world case studies. Students will explore industrial HVAC applications in sectors like pharmaceuticals, food processing, and cleanroom environments, along with the use of modern design tools. With interactive sessions, guest lectures, and practical insights, this course equips students with essential skills for careers in HVAC design, building services, and energy-efficient infrastructure development.



**Course Modules**

- ❖ **Module 1** : Basic Concepts of HVAC and design methods
- ❖ **Module 2** : ASHRAE and ISHRAE Standards for HVAC&R
- ❖ **Module 3** : Design tools for load calculation and ducting; practice problems
- ❖ **Module 4** : Exposure to the State of Arts, HVAC & R facility at IITRAM

**Registration Payment**

**Link:**



INSTITUTE OF INFRASTRUC, AHMEDABAD

**Invited Speakers**

**Prof. Ravi Kumar**

Mechanical and Industrial  
Engineering Department,  
IIT Roorkee

**Mr. Gaurang Patel**

(MEPF Consultant)  
Director  
Atomep Enteam Private Ltd.  
Ahmedabad

**Mr. Akshat Desai**

Design Engineer,  
IMEG Corporation



**REGISTRATION LINK:**  
[HTTPS://FORMS.GLE/AN4QAEWB4KXTHS9E6](https://forms.gle/AN4QAEWB4KXTHS9E6)

*Certificates will be awarded upon full attendance of all sessions.*

**Patron**

**Prof. P.K. Jain**

**Director General, IITRAM**

**Chairman**

**Prof. M.K. Barua**

**Director, IITRAM**

**Faculty Coordinators**

**Dr. Dileep Kumar Gupta**

**Dr. Ajit Parwani**

**Dr. Sumit Tripathi**

**Department of Mechanical  
and Aerospace Engineering,  
IITRAM**

**Last Date of Registration**

**August 31, 2025**

**Registration Fee**

**300/- (for Students  
(UG/PG/Ph.D))**

**Who can participate**

**UG/PG Students of  
Mechanical/Civil /Electrical or  
relevant branch of Engineering**

**Contact us**

**dileepkumar@iitram.ac.in**

**Mob: +91-9785712695**

**Venue:**

**L-205, Department of  
Mechanical and Aerospace  
Engineering IITRAM, Near  
Khokhara Circle, Maninagar  
(East), Ahmedabad-380026**

<https://iitram.ac.in/>