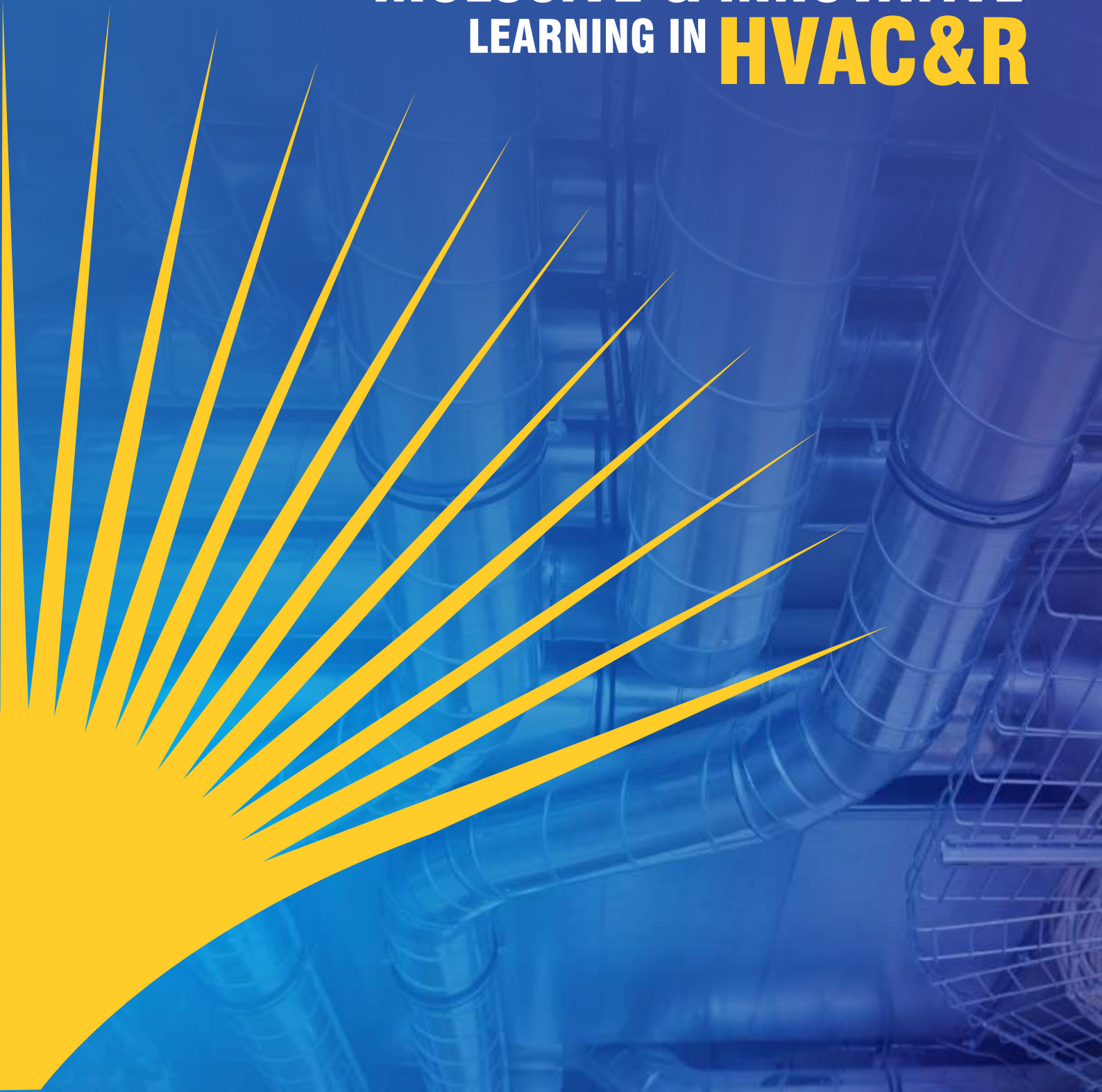




# INCLUSIVE & INNOVATIVE LEARNING IN **HVAC&R**



**ISHRAE Institute of Excellence** is the Educational Arm of **ISHRAE** that aims to impart knowledge and skills to the practicing engineers and new entrants to the Industry. This initiative is valued immensely by employers in the HVAC&R and related Industries. It is proven that professionals who possess not only the academic knowledge, but are empowered with application know-how, project management skills, and the ability to stretch the envelope are much in demand by the industry. IIE has been the brainchild of visionaries who have crossed many milestones in their respective fields, with a strong track record in helping learners to excel, with a high quality, consistent delivery of instructions across all locations.

This prospectus gives an insight into how IIE programs can help a professional harness the vast potential in the field of HVAC&R.

## OUR VISION

Inclusive and innovative learning communities: predicting and serving the need of our learners.

## OUR MISSION

Preparing individuals for the next phase of their lives: the world of work, entrepreneurship, advanced learning and career progression in the field of HVAC & R.

# THE HVAC&R INDUSTRY

The requirement for qualified HVAC&R professionals has seen a rise in the recent years, partly influenced by the growth in the Building Industry, partly by the IT revolution and development of Smart, Sustainable & Intelligent Buildings. The revenue generated from this industry has made it one of the largest growing industries at a global level. The concept of Air-conditioning, considered a luxury a few years ago, has now become a necessity, an important aspect in all spheres, be it residential, commercial, medical, industrial, tourism, or telecommunication. Use of refrigeration has increased tremendously worldwide. The concept of cold chains is very much in demand for storage of vegetables, fruits, fisheries, meat & processed foods. The rate at which the industry is growing leads to the necessity of developing a well organized, industry based, job oriented four months Advanced Engineering Diploma course in HVAC&R.





## COURSES OFFERED

### ADVANCED ENGINEERING DIPLOMA COURSE

IIE has developed an invaluable Curriculum with the right blend of Theory & Practice, suitable for fresh engineers, diploma holders and also for the working professionals in the HVAC&R industry. The course has been approved and accepted by the industry professionals. It has met with a lot of interest and acclaim. Our trained students have found exciting career prospects in the HVAC & R industry.

This course provides the right force multiplier for accelerated growth for those who wish to make a career in the HVAC&R industry.

**DURATION:** Four Months

**TOPICS:**

- Fundamentals of Refrigeration & Air conditioning
- Psychrometry, Heat load Estimation for Air conditioning & Refrigeration Applications
- Selection of Refrigeration & Air conditioning Systems
- Auxiliary Systems and components for R&AC applications
- Installation, Testing & commissioning AND Management aspects of HVAC&R Projects
- On-site Training

### DISTANCE LEARNING PROGRAM

The Advanced Engineering Diploma Course can be extended to those who are not able to avail of Class Room driven Programs. This will provide an easy home / office based learning for busy professionals, new entrants and to those who are aspiring to become a HVAC & R professionals, as well as for members across the globe, who can learn at their own place and pace.

### ISHRAE CERTIFICATION PROGRAM

#### ICP AC DESIGN LEVEL 1

The ICP AC Design Level 1 is an entry level program for experienced professionals as well as amateurs interested in the ever-growing HVAC&R industry.

**ELIGIBILITY :** Engineers with a background in Design, Planning and Service of AC systems, Engineers involved in Contracting, Consulting and User & Allied Industries  
Architects, Interior Designers and other professionals interfacing with the Air-conditioning Industry

**MODULE :** The course is divided into three modules that require a total commitment of 11 days. However, the participants can attend the respective modules independently on dates convenient to them. It is mandatory to complete all three modules to take the Certification Exams.

#### ICP AC SERVICE LEVEL 1

The ICP AC Service Level 1 program is for any person interested in HVAC & R industry, whether novice or experienced.

**ELIGIBILITY :** Specifically meant for Technicians, Mechanics, Plant operators and Jr Supervisors for light and Domestic HVAC product who are involved in the installation, Servicing and operation of AC Systems.

**MODULE :** The course is divide into two modules that require a total commitment of 4 days over two consecutive weekends. It is mandatory to complete all the modules to take the Certification Exams





## ICP CLEANROOM LEVEL 1

Designed for professionals who wish to enhance their professional capabilities and skill sets.

**ELIGIBILITY :** This Certification Program is aimed at Cleanroom professionals from all industries including pharmaceuticals, healthcare, nuclear, electronics, automobile, printing, among others.

**MODULE :** The Certification program comprises two basic modules. Module 1 is primer for all Cleanroom professionals, and shall be followed by Module 2 which will cover, Design, Operations and Testing of Cleanrooms. Each of these modules has been designed as a standalone and enables candidates to pick and choose the modules they wish to attend.

**NEW PROGRAMS** such as COMMISSIONING PROFESSIONALS, DRAFTING PROFESSIONALS to name a few are on the anvil and will be offered soon.

The ICP Programs will also be made available to those experienced HVAC & R engineers to become ISHRAE Certified Professionals without formal class room training by directly taking the Certification Exams.

## WORKSHOPS

IIE, the Educational Arm of ISHRAE , offers specialized add-on refresher courses for working professionals, to update and enhance their existing knowledge base, and also to bring them up-to-date with the current and emerging trends prevalent in the Industry. These workshops can be specially tailor made for corporates based on their needs and schedules.

## SKILL DEVELOPMENT

IIE has training programs designed for blue collared HVAC & R professionals - ITI, Service Technicians & Mechanics on various topics such as Unitary Equipments, Variable Refrigerant Flow Units etc.,

Such programs are made available right across the country through the various associate Societies of ISHRAE and approved Franchisees.

Apart from various Chapters and Sub chapters of ISHRAE, these programs are also conducted jointly with Corporates, followed by an award of a Certificate on successful Course completion.

### CONTACT

For more information, please contact

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