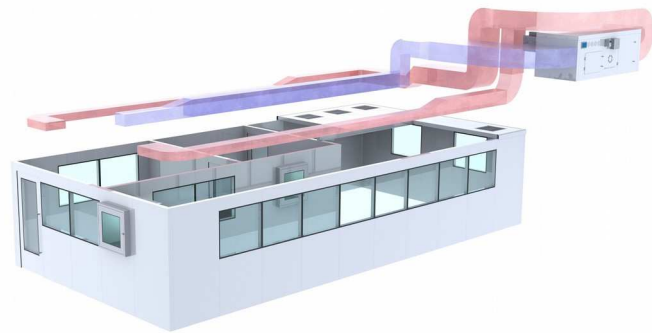


Heating Ventilation & Air-conditioning (HVAC) System Design

About the Course

The training programs will deal with fundamentals, designing, drafting, estimation, installation, commissioning & detail engineering of Central HVAC systems including Direct expansion, VRF, Central Air Systems & Chilled Water Systems. Dedicated training sessions cover detailed applications, usage of codes & standards of BIS, ASHRAE, and SMACNA.





Course objective

The program will cover fundamentals, drafting, design calculations, equipment selection, problem solving, erection & maintenance requirements, routing of ducts / pipes, usage of codes and standards, project work, HVAC software like pipe sizer, duct sizer, heat load, etc. Overall, it is a well structured training program that helps you understand the different phases of basics, design, installation, maintenance & operation of the systems.

All trainees will receive a Participation Certificate on completion of the course.

AC&R industry trends

The air conditioning and refrigeration industry is clearly trending towards sustainable design requirements that will lead to energy-efficient and eco- & environment-friendly products and systems that meet increasingly stringent requirements on ozone-friendliness and global-warming controlled requirements of the future. The industry therefore offers enormous opportunities for growth in the growing demands of energy-efficient and eco-friendly AC&R design and commissioning.

Industry career opportunities

There is huge employment potential in manufacturing, contracting and installation companies in the AC&R industry as potential executives and design engineers.

The course is tailored to suit all levels in the engineering field and even to architects and interior designers as well as working executives who aspire for growth within their organizations. Fresher may also take the opportunity towards their career development.

Course execution

Well experienced trainer is to present the sessions. The training professional has hands-on experience in the MEP, HVAC, Plumbing, Safety, Electrical, and Industrial Piping industries.

Resource person/ Expert : Mr. R Muralidharan Iyengar

Background / Profile : Rich experience in air-conditioning and refrigeration Industry, offering more than four decades of technical success. Strong back ground in latest technological innovations and product designs. Good knowledge and experience in Project Implementation, Execution, Operations, Production & Quality Adherence. Skilled at handling all types of cooling systems from VRF(Digital & Inverter) systems, unitary packages, precision packages, air conditioners, cold storages, brine and chilled water units ,refrigeration products etc.

Professional experience: 40 years of experience in companies like Bluestar, Philips, Pfizer, BARC etc

Technical Association

- Former PRESIDENT – ISHRAE Chennai chapter
- ASHRAE committee member.
- CII committee member in IGBC, BEE & NHB
- Part of the technical committee towards setting new standards for ISHARE AND NHB.