



# ISHRAE

## ABOUT ISHRAE

*(Indian Society of Heating Refrigeration & Air Conditioning Engineers)*

### **ISHRAE**

The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), was founded in 1981 at New Delhi by a group of eminent HVAC&R professionals. ISHRAE today has more than 12,000 HVAC&R professionals as members and additionally there are 7,500 Student-members. ISHRAE operates from 41 Chapters and sub Chapters spread all over India, with HQ in Delhi. It is led by a team of elected officers, who are members of the Society, working on a voluntary basis, and collectively called the Board of Governors.

### **MISSION**

To promote the goals of the Society for the benefit of the general public. Towards this objective, the Chapters of the Society participate in, and organize, activities to protect the Environment, improve Indoor Air Quality, help Energy Conservation, and provide continuing education to the Members and others in the HVAC & related user Industries and offer certification programs, career guidance to students at the local colleges and tertiary institutions.

### **ISHRAE Pune Chapter:**

The Pune Chapter was established on 2nd April 1993 with the support of senior members like Mr. R P Paranjpey, Mr. UttamKashid, Mr. BhagwanHarani and others. Initially the chapter started with just 20 members.

# ISHRAE

## STUDENT CHAPTER DYP SOEA



ISHRAE Faculty Adviser: Asst. Prof. Ravi H C  
Dept. Mech. Engineering  
ISHRAE Membership No: 34386



**DY PATIL**  
SCHOOL OF  
ENGINEERING  
ACADEMY  
AMBI PUNE



Students Chapter

### ISHRAE

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### WELCOMES YOU



## About Chapter:

The DYPSOEA Student chapter was established on 20 September 2016 Under Pune Chapter with support of senior members like Mr. ParagRizwadker, Dr.VijayBhatkar and our Principal Dr. V N Nitnavare Sir motivated to have this chapter in our esteemed organization. Initially chapter started with only twenty members of students with faculty adviser Prof. Ravi H C

The chapter conducted various activities like Project poster presentation, technical Quiz and many more technical events continued with students participated in various activities like aQest, Technochill, job Junction etc.

This chapter motivates our students in the view of technical knowledge enrichment in HVAC&R field.

## Benefits to students:

- Student Membership of one of the vibrant professional bodies
- Access to ISHRAE e-Journal, covering lot of technical articles
- Participation in National level Quiz and Design Competitions
- Interaction with Industry professionals ( Networking )
- Discounts on ISHRAE Books & local ISHRAE Chapter
- Career Guidance & opportunities
- Grants available to conduct Research Projects
- <http://ishrae.in/student-zone>

## PROGRAMS

ISHRAE conducts Conferences, Seminars, Workshops and Exhibitions throughout the country with both national and international participants to discuss, promote and display the state of the art technologies, systems, products and services. ISHRAE organizes ACREX INDIA, the largest international exposition in South Asia on the Air-Conditioning, Refrigeration, Ventilation and Building services industry. Held annually, ACREX is considered to be a major opportunity to showcase the latest technologies / innovations, and provide a platform for buyer- seller meet for technical & commercial personnel in the HVAC& R field.

### Upcoming Events under ISHRAE

#### 1. ACREX-2018 at BIEC BENGALURU

<http://www.acrex.in/about-acrex-2018>

## EDUCATION & TRAINING

IIE, the educational arm of the Society, is working towards human resource development in the HVAC&R industry in the country by conducting various courses. One of the most important objectives of ISHRAE is Training Programs & this is attempted at various levels. Right at the

apex of the pyramid we have the ICP Certification Courses on Clean rooms AC-Design, AC Service and others. At the next level ISHRAE offers a 4-month full time Diploma Course for graduate engineers. In addition at Chapter level ISHRAE holds several successful training programs, workshops, short term courses, e-learning opportunities & product presentations.

## **RESEARCH**

ISHRAE promotes research in the field of HVAC&R technology. It offers financial support to Graduate/Post Graduate students, to carry out innovative work on R & D in Technology, Systems, and Processes.

## **ACTIVITIES**

As part of its objectives to promote the interests of the HVAC&R Industry, ISHRAE is involved in various activities. ISHRAE reaches out to all its members and seeks their active participation & involvement in all the Events/Programs.

## **PUBLICATIONS**

ISHRAE publications strive to help its members & the industry keep up-to date with the technical developments, latest trends, and sunrise technologies. ISHRAE Standards, Fundamental books on various topics, HVAC&R Handbooks and the extremely popular & informative ISHRAE Journal, are a few such publications.

## **STUDENT ACTIVITY**

ISHRAE student chapters in more than 150 engineering colleges encourage students to opt for careers in the HVAC&R industry. Knowledge dissemination is done through seminars, quiz contests, plant and site visits. K-12 initiative of ISHRAE is focused on school students' contests, in making them aware of subjects like, energy conservation and environmental concerns through drawing competitions, poster design, quiz and planting of trees. Emphasis on STEM is stressed to inculcate a scientific fervor & help develop these young children into responsible citizens.

## **CURRENT ACADEMIC YEAR (2017-18):**

Chapter student strength is 67 students from Mechanical and Automobile Engineering  
Student participated in aQuest National level quiz computation named Abhishek kumar and Anuradha got third runner-up in pre-qualifying exam held on 02/01/2018 at MMCOE Pune under ISHRAE Pune chapter. Rajesh Kumar (BE) cleared job junction qualifying exam.

**Event:** Guest Lecture

**Subject:** Evaporative Cooling and Future Technologies of Air Cooling

**Organized By:** Department of Mechanical Engineering  
D y Patil School of Engineering Academy Ambi, Pune  
ISHRAE DYPSOEA Student Chapter under Pune Chapter

**Resource Persons:** 1. Mr. AnandPhalke  
HR ,ATE Private Limited Pune.

2. Prof. PankajAnjankar, ISHRAE Job Chair 2017-18, PCCOE Pune

**Venue & Date:** DYPSOEA Ambi, Seminar Hall, **25/01/2018**

**Faculty adviser:** Asst. Prof. Ravi H C  
Dept. of Mech. Eng. DYPSOEA  
ISHRAE member: 34386.

**Event Report:**

The Event was organized for all second and Third Year & Final Year Students. The introduction was done by Mr. Vishal Jori Student President ISHRAE and felicitation of Mr. AnandPhalke (Chief Guest for the program) was done by Principal Dr. V N Nitnaware. & Prof. PankajAnjankar (Guest of honor of the program) was done by Faculty Adviser Asst. Prof. Ravi H C. All Faculty were present along with PG Coordinator (Heat Power).

- **The Guest lecture started by Prof. PankajAnjankar topic was ISHRAE awareness and HVAC&R**
- He started his session about ISHRAE, benefits to the students of ishrae, importance of HVAC&R for engineers, how ISHRAE related with HVAC&R field.
- He covered all fields in ISHRAE starting from aQuest, IJJ, NSDC, etc. from these how student will get benefit in their career.
- Also he guided students what are the opportunities will get from ishrae. Which are the technical competitions to be held under ishrae chapters like Technochill.
- Student get motivated from his Excel speech about ishrae and importance of ishrae and a clear idea to get in to it to shape their career in the field of HVAC&R.
- **Continued.. next session stated by Mr. AnandPhalke topic was Modern Evaporative Coolers**
- He started with Evaporative cooler explained in detail mechanism, components, temperature range, and area of usage with reference tonnage capacity of cooling.

- He discussed modern technology intended in evaporative coolers and how beneficiary in the view of energy saving.
- He also discussed regarding environmental issues due to changing/developing world.
- He motivated students to work/research in the field to save energy by using available resources
- He has also made awareness regarding what current industries expectations from job seekers and how the processes in industries,,etc

In the end session was open for questions and answers where students and faculty interacted quite well. Vote of thanks was done by Asst. Prof. Ravi H C.

**Followed by some of images of the function**





