

ACADEMIC YEAR
2020-



DEPARTMENT OF MECHANICAL ENGINEERING, MBCET

ISHRAE (Office bearers)



Name of the Student	Office post
Mr. Sibi Ponnachan	President
Ms. Salma Asraff	Secretary
Mr. Anandu J	Treasurer
Ms. Arva S Swami	CWC member
Mr. Zac Zachariah	CWC member
Mr. William George	CWC member
Mr. Akhil P	CWC member
Mr. Prathyush Moni S J	CWC member

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. 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. ISHRAE objectives are advancement of the Arts and Sciences of Heating, Ventilation, Air Conditioning and Refrigeration Engineering and Related Services, Continuing education of Members and other interested persons in the said sciences through Lectures, Workshops, Product Presentations, Publications, Expositions and Encouragement of scientific research. ISHRAE conducts Conferences, Seminars, Exhibitions, Workshops, Panel Discussions and Product Presentations 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 Objectives:

- Advancement of the Arts and Sciences of Heating, Ventilation, Air Conditioning and Refrigeration Engineering and Related Services.
- Continuing education of Members and other interested persons in the said sciences through Lectures, Workshops, Product Presentations, Publications and Expositions.
- Rendition of career guidance and financial assistance to students of the said sciences.
- Encouragement of scientific research.

ISHRAE 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, 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 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 organized by the society.

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 like aQuest, plant and site visits.

ISHRAE has launched “ISHRAE Job Junction” nationally, providing a platform for leading employers to recruit candidates who are members from ISHRAE student chapters.

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 education is

stressed to inculcate a scientific fervor & help develop these young children into responsible citizens.

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. ISHRAE partners with Industry to carry out scientific research t Institutes associated with ISHRAE for this purpose.

ACREX INDIA: ISHRAE organizes ACREX INDIA, the largest international exposition in South Asia on the Air-Conditioning, Refrigeration, Ventilation and Building services industry. Held annually, ACREX with nearly 500 exhibitors 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.

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.

ISHRAE MEMBERSHIP LIST

1	S00088560	Ms. Aarya S.	27	S18066079	Mr. GAUTHAM SANAL
2	S00088473	Mr. Nandu Krishnan V	28	S18066031	Mr. ANANDU J
3	S20088472	Mr. AJAY V	29	S20089050	Mr. Melvin Eapen Thomas
4	S00088468	Mr. Vaishnav S R			
5	S00088466	Mr. James S			
6	S00088462	Mr. Gautham Girish			
7	S00088461	Mr. Ruben Geo Ribu			
8	S00088460	Mr. Fazil Mohammed Ms			
9	S00088459	Mr. Mohammed Suhail			
10	S20088449	Mr. Joel V John			
11	S00088435	Mr. Anzil Ahmed Mansoor			
12	S00088399	Mr. Arun K Sundaram			
13	S00088397	Mr. Abhijith S			
14	S20088389	Mr. Ashin Sakkeer			
15	S00088368	Mr. Sidharth Nair			
16	S00088367	Mr. Sam Rony Zachariah			
17	S00088359	Ms. Arva S Swami			
18	S00088351	Mr. Libin K Lukose			
19	S00088300	Ms. Salma Asraff			
20	S00088288	Mr. KAILAS NATH N I			
21	S19085512	Mr. PRATYUSH MONI S J			
22	S00085483	Mr. Sanjay Menon A.J.			
23	S00085448	Mr. William George			
24	S00085429	Mr. Akhil P			
25	S18066540	Mr. JEFFERSON ALOYSIOUS			
26	S18066080	Mr. Sudin R			

ISHRAE ANNUAL INSTALLATION CEREMONY

The second ISHRAE-MBCET STUDENT CHAPTER installation ceremony took place online due to the limitations posed by COVID 19 pandemic. The session was attended by Mr. Noushad Hussain M (President, ISHRAE Trivandrum Chapter), Mr. Asok Ayappan (President Elect), Prasannalal B R (Secretary), Prakash A (Treasurer), Renjith Divakaran (Students Chair), Mohammed Sajin S (Vice chair), Other officials from ISHRAE, Dr. Rajesh T N (Head of Department of Mechanical Engineering), Mr. Vishnu Prasad K R (Prof. in charge, ISHRAE MBCET), Staff and student members of ISHRAE, Mar Baselios College of Engineering and Technology.

DIGITAL INSTALLATION CEREMONY 2020-21

ISHRAE-MBCET Students Chapter Installation by ISHRAE TRIVANDRUM CHAPTER, Mar Baselios College of Engineering and Technology, Nalanchira, Trivandrum.

Date: 13.06.2020

Time: 7.00-8.00 PM

MEMBERS PRESENT

- 1) Mr. Sibi Ponnachan (President)
- 2) Ms. Salma Asraff (Secretary)
- 3) Mr. Anandu J. (Treasurer)
- 4) Mr. Akhil P. (CWC Member)
- 5) Mr. Pratyush Moni S.J (CWC Member)
- 6) Mr. William George (CWC Member)
- 7) Ms. Arva. S. Swami (CWC Member)
- 8) Mr. Zac Zacharia (CWC Member)

Faculty In-charge: Mr. Vishnu Prasad K.R

- Mr. Sibi Ponnachan (President, ISHRAE MBCET Student Chapter) welcomed Dr.Rajesh T.N (Head Of Department, Mechanical Engineering), Mr Noushad Hussain (President, ISHRAE Trivandrum Chapter), Dr Udhayakumar P.(ISHRAE, National Vice Chair), all other ISHRAE officials, faculty and other members to the installation ceremony.
- Dr Rajesh T.N (HOD, Mechanical department) gave the inaugural address.
- Mr. Sibi Ponnachan invited Mr. Noushad Hussain (President, ISHRAE Trivandrum Chapter) to initiate the ceremony and he assumed the post of President, ISHRAE MBCET Students Chapter.
- Ms. Salma Asraff (Secretary), Mr. Anandu J. (Treasurer), Mr. Akhil P, Mr. Pratyush Moni S.J, Mr. William George, Ms. Arva. S. Swami and Mr. Zac Zacharia (CWC Members) took their oath for their respective posts.

- Dr. Udhayakumar P. (ISHRAE, National Vice Chair) gave a technical talk on the topic – “Opportunities in HVAC and Refrigeration Industry”.
- Mr. Sibi Ponnachan delivered the Vote of Thanks and concluded the ceremony.



Saturday
JUNE
13
7:00 PM - 8:00 PM

ISHRAE
Trivandrum Chapter

 **GoToMeeting**

Link: <https://global.gotomeeting.com/join/280421893>
Access Code: 280-421-893

ISHRAE TRIVANDRUM CHAPTER invites

STUDENTS
IN
ISHRAE

MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY

ISHRAE STUDENTS CHAPTER
"DIGITAL INSTALLATION CEREMONY " 2020-21

Inaugural Address by:
Dr. T N Rajesh
Head Of Dept. Mech Engg.
MBCET

Faculty Advisor
Mr. Vishnu Prasad K R



Installation By: **Er. Noushad Hussain M**
President ISHRAE Trivandrum Chapter

ISHRAE TRIVANDRUM CHAPTER Office Bearers
President : Noushad Hussain M , Mob: 9447000565
President Elect : Asok Ayyappan , Mob: 9961161161
Secretary : Prasannalal B R , Mob: 9645091059
Treasurer : Prakash A, Mob : 9061069991
Students Chair : Renjith Divakaran, Vice Chair : Mohammed Sajin S. Mob: 8089962794

 **ISHRAE** **ISHRAE**  **ISHRAE Student Project Grant**

Technical Talks **ICP** INSTITUTE OF EXCELLENCE Industrial Visits

Digital Installation Ceremony Invitation

ISHRAE ACTIVITIES

Webinars attended by ISHRAE members

1. Topic : Basics Of Refrigeration and cold Chain

Date: 20th June 2020

Time: 7 to 8 pm (online)

The webinar on Refrigeration and cold chain gave a basic idea of all refrigeration cycles and systems. The students were able to understand the basics of refrigeration and cold chain application in industries. They could relate the topics to their courses and got an opportunity to clarify their doubts regarding the same with ISHRAE experts

No. of Attendees: 8






Topic – Basic of Refrigeration & Cold Chain

WEBINAR

Exclusively for Students



Eminent Speaker :
Mr. Roddam Anish Simha

ISHRAE REFRIGERATION NATIONAL CHAIR

Date: Saturday, June 20, 2020
Time: 7 pm to 8 pm

Link:
<https://attendee.gotowebinar.com/register/2707757797415934987>
Webinar ID: 806-310-531

Disclaimer : The information provided within this Webinar is for general informational purposes only. While we try to keep the information up-to-date and correct, there are no representations or warranties, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information, products, services, or related graphics contained in this Webinar for any purpose. Any use of this information is at your own risk.
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Speaker:- The views expressed in presentation made at webinar or other webinars are those of the speaker and not, necessarily, of ISHRAE. Presentations, or the presence, does not constitute an endorsement of the vendor or speaker's views, products or services.

- B.E. Mechanical, based out of Bangalore
- 25 Yrs. With Rincac India Limited., currently Senior General Manager, Business Development Refrigeration and Cold Storages, Cold Warehouses, IQF, ASRS, turnkey solutions etc.
- ETA Engineers Pvt. Ltd.
- Immediate Past President- Association of Ammonia Refrigeration.
- Committee Member and Chair for Refrigeration ACRRX India 2018

- ASHRAE Bangalore Chapter- Vice President.
- ASHRAE Region at Large (RAL) Refrigeration Chair
- National Chair, ISHRAE Refrigeration Committee
- ISHRAE Technical Committee Chair for Refrigeration.
- Past Treasurer & Refrigeration Chair –ISHRAE Bangalore Chapter
- NSC Member for REFCOLD Ahmedabad, Hyderabad & New Delhi-ISHRAE HQ
- Member ISHRAE HVAC Data Handbook Committee

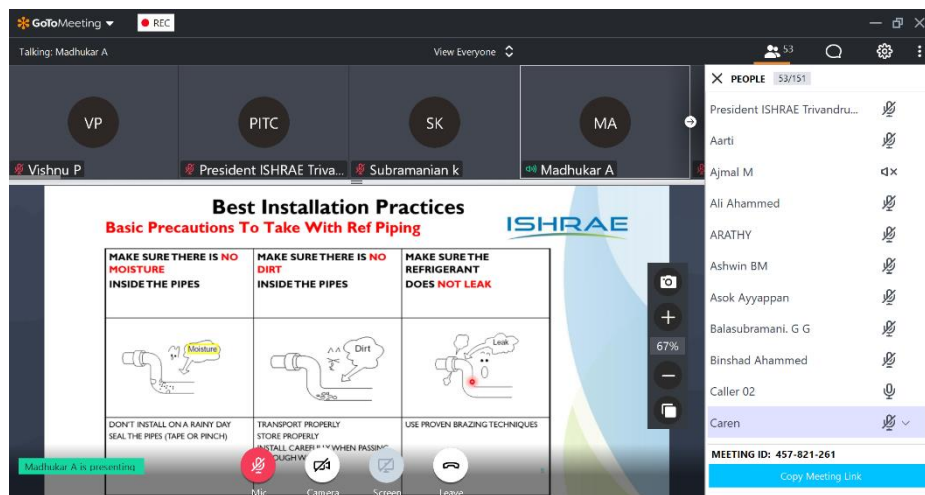
2. Topic - Basics of pumps

Date - 1st July 2020

Time - 7 to 8 pm

The webinar on basics of pumps was organized by ISHRAE and was an insightful experience for the students. The students were able to visualise and understand the concepts of compressors, condensers, expansion devices, air ducts, water filter, fire and safety valves, cooling towers etc. and other components of HVAC systems used in industry, office buildings, airports, etc.

No. of Attendees : 10



3. Topic : Panel discussion on Women In Engineering

Date : 18th July 2020

Time : 3pm - 4pm

The Panel Discussion arranged by "Women in Engineering" of ISHRAE focused extensively on the various career options and potential opportunities available in engineering fields for women. To hear and interact with the eminent personalities who presided over the session was indeed an eye opener.

4. VIRTUAL FACTORY VISIT

Date: 29th July 2020

Time: 6 to 7pm (online)

The virtual factory visit arranged by ISHRAE student chapter, was extremely informative and one of a kind experience. It gave the students an insight into the manufacturing stages involved in making Air handling units. All our queries and concerns were effectively addressed during the doubt clearing session. The virtual video live tour was mind blowing, something the students have never seen or experienced in any webinars before.

No. of Attendees: 16

आओ देखें Factory!
SERIES VISIT 01

STUDENTS
ISHRAE

VIRTUAL FACTORY VISIT & LIVE INTERACTION

Must attend the First Visit of this Series to know
how they manufacture World-class Air Handling Units?

- Virtual Video Tour Live
- Doubt Clearing
- Informative Presentation by Expert

📅 **Wednesday, 29th July 2020**

🕒 **6:00 PM - 7:00 PM IST**

REGISTER NOW Limited to **500 Seats** only
First Come - First Serve

Digital Certificates to all participants.

Live Online Join at www.gotomeeting.com

Registration URL:
<https://attendeegotowebinar.com/register/5242247549271412494>

Webinar ID: 892-106-971

RSVP - Vikram Thakur
E-mail : v.thakur@ishraehq.in

Virtual Tour of State-of-the-art Manufacturing unit of: **edgetech**
...Creating a healthy world