

LIGHTHOUSE, OUR NEWSLETTER



**ASHRAE President
Farooq Mehboob**

Fellow ASHRAE, Life Member, ASHRAE 2022-23 President. Mehboob's theme for the 2022-23 ASHRAE Society Year is "Securing Our Future."

By Your President Nivedita Jadhav

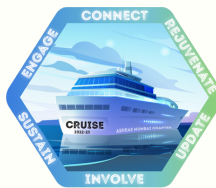
Members of my chapter, thank you for electing me as the Chapter President and for giving me a wonderful team to work with. Together, we will serve the members and further the mission and vision of our Society. With the support of the members, Region at Large volunteers and the team at the headquarters in Atlanta, we are sure to take the chapter to greater heights.

Your President Rupesh Umtol SY 2021-22 has taken all activities ahead at rocket speed and we were just short of doubling our membership and the Presidential Awards Of Excellence (PAOE) points tally. In the New year, the team pledges to cruise steadily ahead to achieve the new heights and then accelerate growth in a Sustainable way.

We look forward to your support as members and if you are a non member looking forward to your association with ASHRAE. We are just a call or an email away. Do join hands with us to make society and the environment safe and smart.

The Theme for the year is CRUISE:

- Connect with Members*
- Rejuvenate with fun activities*
- Update ASHRAE deliverables to Members*
- Involve members in TCs, Research & other tech activities at chapter & Society level*
- Strategise initiatives for chapter sustainability*
- Engage Govt & Other Societies to meet ASHRAE objectives*



**Chapter Theme
CRUISE**

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Contact us on ashraemum@gmail.com, Cell.: 9321590176
www.ashraemumbai.org

ASHRAE was formed as the American Society of Heating, Refrigerating and Air-Conditioning Engineers by the merger in 1959 of American Society of Heating and Air-Conditioning Engineers (ASHAE) founded in 1894 and The American Society of Refrigerating Engineers (ASRE) founded in 1904. With more than 50,000 members from over 132 nations, ASHRAE is a diverse organisation dedicated to advancing the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world..

ASHRAE Executive Committee SY 2022-23



PRESIDENT
FAROOQ MEHBOOB, FELLOW
LIFE MEMBER ASHRAE



PRESIDENT ELECT GINGER
SCOGGINS, P.E., FELLOW
ASHRAE



TREASURER DENNIS
KNIGHT, P.E., FELLOW
ASHRAE

Vice Presidents



SARAH MASTON,
P.E., BCXP



ASHISH RAKHEJA



BILLY AUSTIN, P.E., BCXP, BEAP,
BEMP, HBDP, HFDP, OPMP



DUNSTAN LAURENCE
MACAULEY III, P.E., HBDP



JEFF H. LITTLETON
EXEC VICE PRESIDENT

Mumbai Chapter Board of Governors



Sandeep -Treasurer



Sanjay - President Elect



Nivedita - President



Mahesh - Vice President



Parth - Secretary



Kamendra



Goutham



Kavita



Kunal



Kartik



Hardik



Bharat



Shreya

Mumbai Chapter Extended Committee



Retrospect: A Look Back at Last Year SY 2021-22

Achievements 2021-22



From 107 to 177 Chapter Membership		New 14 Women Membership		USD \$ 3350 Project Grant for LTCoE, Navi Mumbai
	Young Membership From 18 to 53 YEAs		From 40 to 103 Student Membership	ASHRAE Scholarship USD \$ 10000 2 nd & 3 rd year Engineering Students of LTCoE
2nd Prize RAL Paper Presentation Competition		USD \$ 1995 Research Promotion Fund Collected		9th BOG Goa March 2022 1 st time in AMC History
2 Internship 30 Days Sessions to 30 Students	All Chapter Activities Earned 37575 POAE Points		Annual Silver Partners: 	

ashraemum@gmail.com

President SY 2021-22 Rupesh Umtol



It was indeed a pleasure working as Chapter President of ASHRAE Mumbai chapter in SY 2021-22. The above listed achievements of our chapter in a difficult year would definitely put Mumbai up as one of the Vibrant & Progressive chapters in RAL as well as all other regions.

I would like to thank my entire BOG team for working efficiently throughout the year and progressing further in terms of Membership, events & initiating the process of connecting missing industrial connections for better involvement of all stakeholders in chapter activities.

I thoroughly enjoyed working with all and would keep serving the society in all possible ways in future too. I wish all a very exciting & prosperous New Society year.

ASHRAE Presidential Award of Excellence (PAOE) is a society-wide point system to track and reward chapter achievements.

Category	Par	Min Points	Total Points
Chapter Operations	1200	600	9005
Chapter Technology Transfer	1050	550	6530
Communications	700	300	2550
Government Affairs	1000	500	1850
Historical	300	100	1700
Membership Promotion	1600	1000	5325
RP	1050	800	2225
Student Activities	800	500	5240
Young Engineers in ASHRAE	800	300	3500

PLANS FOR THE SY 2022-23



Chapter Technology Transfer Committee (CTTC) shall bring Indian and international technical speakers in an online or hybrid format. Subjects being covered would be from Basics of HVAC to topics on Resilient Buildings, Decarbonization, Commissioning, IAQ, ASHRAE Standards & Guidelines, Refrigeration & Cold Chain and many more. Any request for a specific topic shall be welcome.

Student Activities Committee shall focus on giving students and exposure to the ASHRAE Competitions on design, Paper presentations, Scholarships, Project Grants, Equipment Grants, Internships, personal mentoring, technical sessions through expert speakers and many more.

Membership Committee will strive to make Mumbai the largest chapter in India and have 50% membership of Young Engineers of ASHRAE (below 35). Increase in number of women members shall be part of the Diversity initiative of the Society.

Sustainability Committee aims to take up community projects to provide training in areas such as improvement in building operations, improving indoor environments and wellness in buildings etc.

Research Promotion Committee manages and supports both the Society-level fundraising and Chapter-level fundraising of the RP Campaign. Traditionally supporting just research, the RP Campaign was expanded 10 years ago to include support of Education & ALI, Endowed Research through ASHRAE Foundation, YEA programs, ASHRAE Scholarships, and the General/Unrestricted fund. Research, the backbone of ASHRAE, remains the primary fund of the program with over \$2 million raised for this program annually. The Mumbai Student Chapter has been fortunate to receive more than \$10k in past two years.

The Young Engineers in ASHRAE (YEA) committee shall enhance member benefits for young professional ASHRAE members, 35 years old and younger, by identifying, creating, and supporting activities and services focused on their needs. A primary focus of the committee will be attracting and developing YEA members for future membership and leadership in ASHRAE and the HVAC&R industry

Government Outreach Events are the pre-eminent opportunity for ASHRAE volunteers to introduce state, and local government officials to the association and issues critical to advancing the arts and sciences of heating ventilation, air conditioning and refrigeration.

ACTIVITIES OF JULY 2022

CTTC Activities

Support Societies: **ASHRAE Western India Chapter**, **ASHRAE Pune Chapter**, **ISHRAE Thane Chapter**

Organised by: **ASHRAE Mumbai Chapter**

Tech Talk with Region at Large Lecturer

Thermal Insulation System for Energy Efficient Green Buildings

Mr. K.K. Mitra
President Lloyd Insulations and CEO of Eastern Region.

Mr. Krishna Kumar Mitra is a Science Graduate with Post Graduation and Master in Business Administration. With over 34+ years experience in Thermal Insulation system, he works as President Lloyd Insulations and CEO of Eastern Region.

Past President of ASHRAE India, currently ARVC Chapter Technology Transfer SR II and RAL Regional Lecturer. He has been past President of Delhi chapter of ISHRAE.

Having been member of the Core Committee of Experts for drafting ECBC of India 2007 he presently is a member of various committees of Thermal Insulation at BIS, Govt. of India. He is a member of the technical committee for standardization of Cold Store specifications by NHB/ NCCDevelopment, Govt. of India and Acoustical Society of India.

He has participated in various National & International level seminars & presented papers including paper on Building Insulation during ASHRAE Winter Conference at Las Vegas. He attended Cold Storage training program at Paris organized by NCCD and Insulation Training program at Mitsubishi Heavy Industries, Naebu Japan.

He regularly visits Educational Institutes / Colleges to deliver lectures on Thermal Insulation System for Green and Energy Efficient Buildings.

Annual Silver Partners: **SARA HVAC**, **EMC**

Register NOW !!
Ms. Deepali: +91 97572 89988

Register NOW !!
Zoom Details:
<https://us02web.zoom.us/j/8356312525307?pwd=Zl0EPzlwU3l0YVFNQz08JSY1TlNmoS1>

Support Societies: **ISHRAE Mumbai Chapter**, **ISHRAE Thane Chapter**

Organised by: **ASHRAE Mumbai Chapter**

Tech talk with Region at Large Lecturer

Psychrometrics and cooling and heating load calculations

Chilled and condenser water piping design

Mr. Vikram Murthy
Director in Univac Environment Systems Pvt. Ltd.

A B.Tech in Electrical Engg from IIT Kanpur, India, Vikram has 46 years of experience in the HVAC Industry. He is a Director in Univac Environment Systems Private Limited which deals in Unitary and Applied HVAC Systems. He is also a Partner at Tropical Air conditioning & Refrigeration, Training HVAC & R Professionals and Representation of AHRI (Air conditioning Heating & Refrigeration Institute) for Certification of HVAC Equipment.

He is the Past President of ASHRAE Mumbai Chapter and has served the in several Committees at the headquarters in Atlanta. Besides, he is the Presidential Member ISHRAE and Past President Rotary Club of Bombay Film City.

He is currently the Regional Lecturer at Region at Large, ASHRAE, a Member, Technology Task Force, Ministry of Housing & Urban Affairs, Government of India.

His Previous Experience has been as a Project Manager, Voltas Ltd., Central Air conditioning Projects, Director, Genpower Electric Pvt Ltd., Manufacturer of Air Handling Units & Electrical Control Panels and Executive Vice President, Utility Engineers India Ltd, Central Air conditioning Projects

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Session Venue: **Blue Star Innovation Centre**, Next to Vizing's Inn Hotel, Kapurbawadi, Ghocbunder Road, Thane West - 400 607



YEA Activities



President's meet with YEAs

ASHRAE MUMBAI CHAPTER invites you to join an **Industrial Visit** For YEAs and Student Members

ASHRAE Mumbai Chapter

Address: 17-B, Tarun Industrial Estate, Mogra Pada, New Nagardas Road, Andheri (East), Mumbai - 400069.

Venue: **Ambtronics** Engineers Private Limited

16th July 2022
03:00 pm IST Onwards

Key takeaways:

- Manufacturing process followed by Ambtronics for a wide range of products.
- Witness synergy between R&D, Electronics and Mechanical departments for efficient production.
- Various Products and their applications

*YEAs are Young Engineers at ASHRAE

Annual Silver Partners: **SARA HVAC**, **EMC**

Follow us: www.ashraemumbai.org



RAL Sub Region 2 meeting in Chandigarh



Government Affairs & Associate Societies activities

Supported By
ASHRAE Mumbai Chapter

RACHNA
 RACHNA: RESPONSIBLE AND COMPROMISELESS HOUSING THROUGH NATIONAL ACTION

Climate Smart Buildings
 Training Program on Innovative Construction Technologies & Thermal Comfort in Affordable Housing
 10:00 am to 5:30 pm on 15th and 16th July 2022

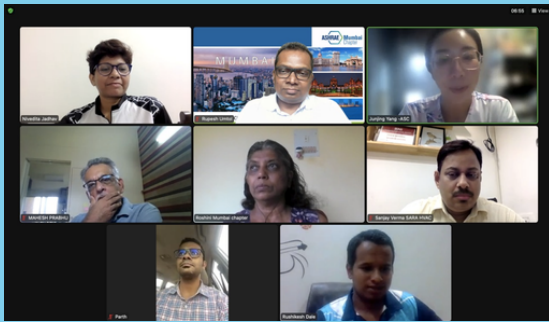
Venue
 Radisson Blu Mumbai International Airport, Marol Maroshi Road, Andheri East, Mumbai
 No Entry Fee. Pre-registration required at: <https://forms.gle/P51ysFeKjilQfEwDA>

Nivedita Jadhav
 President
 ASHRAE Mumbai Chapter

Goutham Pitchkala
 CTC Chair
 ASHRAE Mumbai Chapter



Meeting with Singapore Chapter President



First BoG with dinner hosted by outgoing President



New Members in SY 2022-23



Chirag Wani
Blue Star Ltd.



Boopal Shanmugam
Blue Star Ltd.



Azaruddin Jamadar
Blue Star Ltd.



Nikhil Pawar
Blue Star Ltd.



Moneesh Tamuly
Marine Electricals



Amol Janjeere
Blue Star Ltd.



Michael Angre
Blue Star Ltd.



Sangita Jhangiani
Enova



Mohit Mahajan
KPM Design Services Pvt. Ltd.



Omprakash Mehta
OSM Consultancy LLP

Membership Grade advancements - Associate to Full Member



Charu Dewasthale
Eximous Ventures



Kunal Bhavsar
SP College



Dr. Kavita Dhanawade
LTCE College



Hemant Chavan
FAMT College



Viresh Ruhel
Flakt India Ltd.

Research Promotion Donors



Charu Dewasthale
Eximous Ventures



Rushikesh Dale
Jacobs Engg



Rupesh Umtol
Past President, ASHRAE Mumbai

Chapter Fund Donor

ASHRAE JOBS

If you are seeking a job in the engineering field or searching for the most qualified engineers, the ASHRAE job board offers the most qualified opportunities and candidates. Engineers can set up a personal account for job searches, manage resumes and create alerts for new job postings. Employers can set up a corporate account to post new jobs, review resumes and manage recruiting.

ASHRAE Jobs: <https://jobs.ashrae.org/>



Beginnings of the ASHRAE Mumbai Chapter

The idea of constituting the ASHRAE Mumbai Chapter rose out of the need to effectively administer the operation of chapters. In the years 2008-09 it was felt that as a result of an increase in the number of members and the vastness of the ambit of ASHRAE Western India chapter(which was formed in 1996 and consisted of Maharashtra, Gujarat and Goa), there was scope for it to be split into more manageable entities. Members from ASHRAE Western India chapter who stayed/worked in Mumbai and its surrounding areas opted to be part of the new chapter. Large part of this initiative to obtain the signatures on the petition for forming the Mumbai chapter was by the then ASHRAE Western India President Mr. Manoj Khati and the Sub Regional Chair Mr Sudhir Sinha. As a result ASHRAE Mumbai came into existence.

The jurisdiction of ASHRAE Mumbai chapter covers Greater Mumbai Region, Thane, Raigad and the State of Goa. The ASHRAE Mumbai constitution was approved by the ASHRAE Board meeting at Atlanta and chartered by the ASHRAE President Gordon Holness on 25th January 2010. The first BOG meeting was held on 29th May 2010 during which the constitution and byelaws of the chapter were passed and adopted.

The chapter was formally installed on 21st June 2010 at Hotel Attithi, Mumbai by Mr. Sudhir Sinha, Chair Sub Region 'D', ASHRAE Region at Large. He administered the oath of office to the first President of ASHRAE Mumbai- Mr. M. P. Agarwal.

The Board of Governors (BOG) of ASHRAE Mumbai 2010 to 2011

President- M. P. Agarwal	CTTC- V Krishnan	COMMITTEE CHAIRS
President Elect- Vikram Murthy	Research Promotion- Nitin Naik	
Vice President- Adarsh Kaul	Membership Promotion- Manoj Khati	
Treasurer- Anurag Pareekh	Student Activities- Roshini Easow	
Secretary- A.Ravi	Historian- Bhavesh Mehta	

Article courtesy

DR.ROSHINI EASOW,

Past President ASHRAE Mumbai Chapter,

JOIN ASHRAE, <https://www.ashrae.org/join>

<p>Member</p> <p>USD 155</p>	<p>Associate Member</p> <p>USD 155</p>	<p>Affiliate Member</p> <p>USD 40</p>	<p>Student Member</p> <p>USD 15</p>
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Annual Partners SY 2022-23



Annual Partnership Opportunities - SY 2022-23

Silver	₹	25,000
Logo Presence in all Social Media Posts & Emailers		Yes
Full Day program Passes, extra passes at 20% discount		2
YEA 1st year membership @ USD 40		1
Monthly Newsletter logo mention as Annual Partner		Yes
Acknowledgement in all programs		Yes
Gold	₹	50,000
Logo Presence in all Social Media Posts & Emailers		Yes
Logo presence in a moving banner on homepage of Website		Yes
Full Day program Passes, extra passes at 20% discount		5
YEA 1st year membership @ USD 40		1
Monthly Newsletter logo mention as Annual Partner		Yes
Acknowledgement in all programs		Yes
YEA Event Partner	₹	1,00,000
Logo Presence in all Social Media Posts & Emailers		Yes
Logo presence in a moving banner on homepage of Website		Yes
Full Day program Passes, extra passes at 20% discount		5
YEA 1st year membership @ USD 40		3
Monthly Newsletter logo mention as Annual Partner		Yes
Acknowledgement in all programs		Yes
Presentation in YEA In-person event		1

All amounts are basic, local tax shall be extra

Payments to be made to:
 Name : ASHRAE Mumbai Chapter
 Bank Name : ICICI Bank
 Account No. : 054601001652
 Branch : Mahalzmi Branch
 IFSC : ICIC0000546



Connect with us on: <https://ashraemumbai.org/>



Ms. Deepali: +91-9321590176



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