

AROUND 50+ EXPERT TECH TALKS AND WEBINARS



10 VIRTUAL INDUSTRY VISIT

+

5 SITE VISIT



IVAT SCHOLARSHIP, CHAPTER LEVEL QUIZ



INTERNSHIP OPPORTUNITIES



ISHRAE

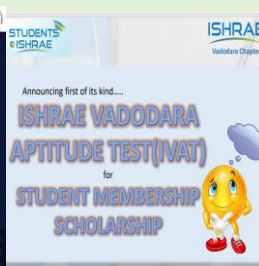
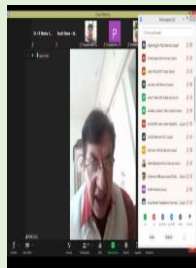
VADODARA CHAPTER



Activities Summary (SY 2020-21 and 2021-22)

ISHRAE MSU VADODARA CHAPTER

(A Student Chapter at Mechanical Engineering Department, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda under Indian Society for Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), Vadodara Chapter)



Designed and compiled by: Abhay Soni

Edited by: Dr. J R Mehta

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INSTALLATION CEREMONY OF ISHRAE VADODARA MSU CHAPTER

Society Year 2021-22



Abhay Soni
President



Abhishek Sonawane
President - Elect



Rushiraj Patel
Secretary



Raulji Rajdipsinh
CWC Member



Suruchi Sharma
CWC Member



ISHRAE student chapter at MSU was re-installed on 6th October, 2021 at Mechanical Engineering Department, MSU. The director of Comed Chemicals, Mr. Bhatia graced the occasion and deliver the talk on “Employment opportunities and employability skills for Engineers”. Mr Nilesh Patel, Past President of IVC was the installation officer, installing MSU chapter with student members Mr Abhay Soni as President-ISHRAE-MSU, Mr Abhishek Sonawane as President-Elect, Rushiraj Patel as Secretary and Raulji Rajdipsinh and Suruchi Sharma as CWC members. Mr Hemant Bedekar, President of IVC 2021 – 2022, Mr Jigar Shah, Dr. Jignesh Mehta and Mr. Hiren Shah shared their knowledge and encourage the MSU team.

INDUSTRY VISIT

ISHRAE VADODARA CHAPTER HAS ARRANGED AROUND
10 VIRTUAL INDUSTRY VISITS AND AROUND 5 ON-SITE VISITS



ISHRAE-MSU VADODARA CHAPTER organized an industry visit to **Fairflow Ventillation**, Manjusar on 22nd March, 2022. The company specialises in air distribution products used in AC industry. The students could see and understand various manufacturing processes as well as applications of the products. We are thankful to Mr. Hasmukh Shah, proprietor of company for such an educational and tech-enriching visit.



ISHRAE – MSU VADODARA CHAPTER organized an industry visit to **Unique Airtech Industries**, GIDC Makarpura on 23rd February 2022. Around 15 students joined this visit. The students could see various types of water/liquid chilling systems catering to plus as well as sub-zero temperatures for industrial applications. The students could see screw compressors, scroll compressors, shell and tube type of heat exchangers, air-cooled condensing systems, instrumentation and control system for chiller plants. We are thankful to Mr. Jigar Shah, President, ISHRAE Vadodara Chapter 2022 – 2023 and proprietor of Unique AirTech for permitting us for the visit and making required arrangements.





ISHRAE VADODARA CHAPTER had organised industrial visit at **Comed Chemicals Ltd** – Rania. Total 25 students from MSU and GEC Dahod had participated along with Dr. J.R. Mehta, Mr Manish Dandekar and Ms Hetika Shah. It was a great experience for students. There was a nice Q & A with Comed Chemicals, Mr Hardev Singh, Ms Krishna and entire production team.



ISHRAE VADODARA MSU CHAPTER had organised an industry visit on 24th August 2021 and students of MSU Vadodara had visited **Shree Agro ULO cold storage** at Halol along with Dr. Jignesh Mehta and Mr. Manish Dandekar. They provided in-depth knowledge of the various systems and components of the plant. It was a very useful visit for the student as it provided the field knowledge and exposure to what they study in engineering syllabus. We are very thankful to Mr. Manish Dandekar and IVC for the visit.

GLIMPSES

OF

VIRTUAL INDUSTRY VISIT

ISHRAE INDIAN SOCIETY OF HEATING REFRIGERATING AND AIR CONDITIONING ENGINEERS VADODARA CHAPTER

STUDENTS ISHRAE

VIRTUAL INDUSTRY VISIT FOR STUDENTS TO UNIQUE AIRTECH

SPEAKER : Mr. Jigar Shah
9th May 2021

ISHRAE Vadodara Chapter brings you an opportunity for a virtual industrial visit at **UNIQUE AIRTECH**. **UNIQUE AIRTECH** is a manufacturer of Refrigeration Plant & equipment like Chiller Plant, Heat Exchanger, oil separator and many more components. Students will get a virtual tour of the factory and Mr Jigar Shah who is Proprietor of M/s. Unique Air Tech will guide us and explain stocking of various material like expansion valve, filters, Cu Piping instruments like Pressure transmitter, temperature sensor, flow switch, float, etc. And he will be showing how these components work along with manufacturing of Heat Exchange, Receiver and Chiller Plant.

Speaker : Mr. Jigar Shah



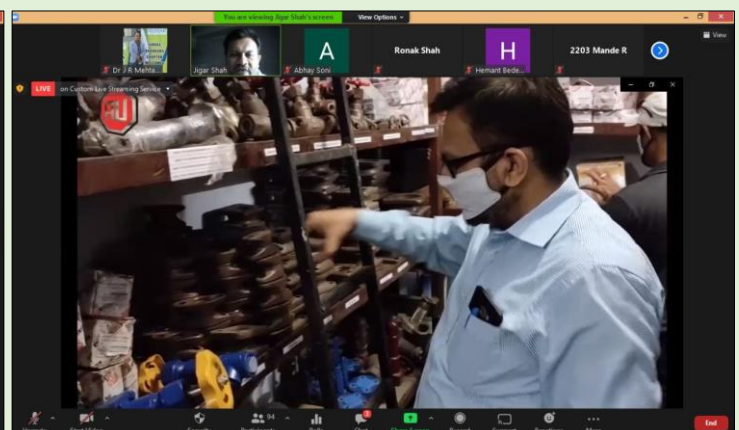
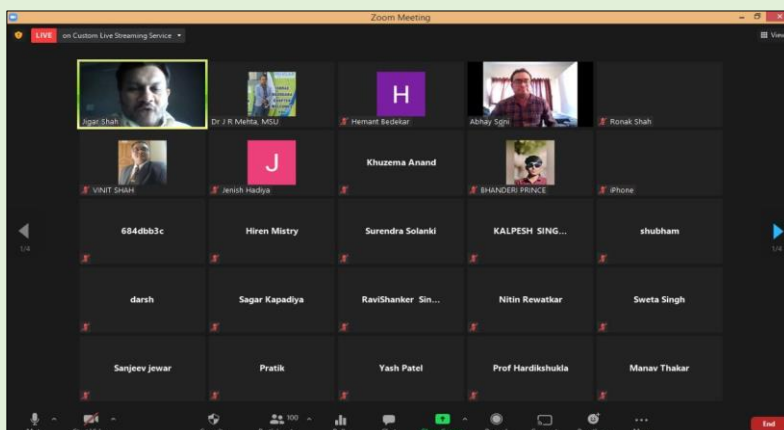
Mr. Jigar Indravadan Shah is an experienced engineer with a bachelor's degree in Chemical Engineering. He is currently Proprietor of M/s. Unique Air Tech. He is a consultant and Turn-Key Project Contractor for Refrigeration & Air-Conditioning Projects like Cold Storage, Chiller Plant, Ice Plant HVAC, etc. And he has commissioned nearly 300+ projects for chiller plant, cold storage, ice-pant, frozen food plant, heat pump, etc. He has more than 20 years of experience.

Date : 09/05/2021
DAY : Sunday
TIME : 10:30 AM

REGISTRATION LINK:
<https://forms.gle/p8hLNyVeZ14DhcScA>
Venue: Zoom Meet



ISHRAE VADODARA MSU CHAPTER had organised a virtual industry visit at Unique Airtech on 9th May, 2021. It had a whopping participation of 100 students in Zoom meeting. Also, the webinar was made live stream on YouTube and live streaming had 400 viewers viewing on the same day. Students get to know much about the air conditioning components in the Manjusha plant of UA. We are thankful to Mr Jigar Shah, Dr. Jignesh Mehta and IVC Team to make the visit possible.



Blowtech Air Devices Pvt. Ltd. Virtual Factory Tour



17th October 2020



Process Videos



ISHRAE VADODARA MSU CHAPTER had arranged an industrial visit on 17th October, 2020. Students get to learn about the Blowtech components and manufacturing processes by the process videos. We are thankful to IVC Team for arranging the webinar.



Virtual Factory Visit
Johnson Controls – Hitachi Air Conditioning

Cooling & Heating

HITACHI

ISHRAE VADODARA MSU CHAPTER had arranged an industrial visit on 29th August, 2020. Students get to learn about the Johnson Controls components and manufacturing processes by the process videos. We are thankful to IVC Team for arranging the webinar. We are also thankful to Mr. Gurmeet Singh, Chairman and Managing Director, JCH.



GLIMPSES

EXPERT TALKS OF EXPERT TECHNICAL TALKS



INDIAN SOCIETY OF HEATING REFRIGERATING
AND AIR CONDITIONING ENGINEERS
VADODARA CHAPTER



INVITATION

Online Talk on Opportunities in HVAC { Heating, Ventilation and Air-Conditioning } Industry and Role of ISHRAE

Speaker : Ms. Aditi (Shah) Amin



Ms. Aditi (Shah) Amin is a Director at Aditi Air-conditioning Pvt. Ltd., a 30 year old HVAC contracting company. By qualification she is an Electrical & Electronics Engineer and holds a diploma in Business Law. Ms. Aditi Shah is an ISHRAE Member since 2012 and CWC member 2015-16, 2016-17, 2017-18 (Additionally, she was also Zonal Chair of West Zone for 'Women at ISHRAE', 2018-19 (Convener – Urjavarani), Treasurer for 2019-20 & President Elect 2020-21.

Date : 18/07/2021

Day : Sunday

Time : 11 AM

REGISTRATION LINK:

<https://forms.gle/5C51Huu2kAkQcrqK7>

Venue: Zoom Meet

ISHRAE VADODARA MSU CHAPTER had organized a technical talk regarding Opportunities in HVAC Industry, current trends and role of ISHRAE in the HVAC field for students. Ms. Aditi (Shah) Amin gave deep insights on ISHRAE and its activities on chapter as well as national level. She also focused upon empowering women in the HVAC field. Technical Information and career information was also given to students motivating them to think about this field.

Indian Society of Heating Refrigerating and Air Conditioning Engineers

ISHRAE

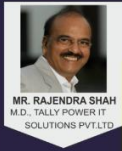
Vadodara Chapter

Half Day Seminar

ISHRAE Vadodara chapter proudly announce the **WEBINAR ON ZOOM PLATFORM**



Mr. Sandip Shah, CEO, Mech-Air Industries. He is B.E. (Production), L.E. College, Morbi. Mr. Sandip Shah has experience of over 25 years in the Post Harvest Cold Chain Management Industry. He is associated with ASHRAE (USA), IIR (France), ISHS (Belgium) and past president of ISHRAE, Baroda Chapter. He also offers consultancy for Turn-key Food Processing Projects. He is constantly striving for innovation in field of refrigeration. Mr. Sandip is actively involved in Make in India products.



Mr. Rajendra Shah M.D. is Bachelor of Engineering and is IIM - Ahmedabad Alumnus, an experienced software expert. Mr. Shah is amongst the first few to learn Tally programming TDL from M.D. Shri Bharat Goenka making TALLYPOWER a unique Tally Partner in India. Mr. Shah is associated with Tally Solution for more than 30 years and have been instrumental in bringing Tally software in Gujarat. With his vision to expand internationally, first operation was started in Dubai in 2011, Nairobi, Kenya and middle East and Africa region. He is also active member of various associations/clubs across Gujarat.

- Points to be considered in Webinar :
- 1) Generate E-way Bill from Tally Prime
 - 2) Salient new Features in Tally Prime
 - 3) Generation of Reports from Tally Prime



HE WORKED WITH THERMAX LTD. CHANNEL PARTNER VAM SERVICES FOR MORE THAN 9 YEARS AS A SERVICE ENGINEER.

SINCE 2008 RUNNING HIS OWN BUSINESS IN THE NAME OF MATANGI SERVICES, WHO PROVIDES SERVICES FOR VARIOUS TYPES OF VAPOUR ABSORPTION MACHINE INCLUDING INSTALLATION, COMMISSIONING, SERVICE & MAINTENANCE LIKE STEAM FIRED, GAS FIRED, F.O FIRED, HSD FIRED, EXHAUST FIRED, HOT WATER FIRED, DUEL FUEL FIRED, SINGLE EFFECT & DOUBLE EFFECT.

ALMOST 24 YEARS OF EXPERIENCE IN MAINTAINING VAPOUR ABSORPTION CHILLER IN INDUSTRIES LIKE OIL & GAS, PETROLEUM, PHARMA, CHEMICALS, ENGINEERING, HOTEL & HOSPITALITY.

- Program - 1 (3.00 P.M. to 4.15 P.M.) - DIFFERENT WAYS OF COLD CHAIN
 Program - 2 (4.15 P.M. to 5.30 P.M.) - TROUBLE SHOOTING IN TALLY SOFTWARE
 Program - 3 (5.30 P.M. to 6.45 P.M.) - INTRODUCTION OF VAM (VAPOUR ABSORPTION MACHINE)

DATE	TIME	DAY
20th November 2021	3.00 PM onwards	Saturday
Mr. Hemant Bedekar President M : 09879 544 868	Mr. Hiren Shah Program Chair M : 09879 493 439	Mr. Jigar Shah Elect. President M : 09825 911 618



ISHRAE VADODARA MSU CHAPTER had organized a technical talk by Mr. Jigar Shah, President – IVC 2022-23 and Proprietor of Unique Airtech on 19th February, 2022. He gave technical details of VCR System and components used in it.

ISHRAE VADODARA MSU CHAPTER had organized a half day seminar on 20th November, 2021. Mr Sandeep Shah, CEO of Mech-Air Industries discussed about “Different ways of Cold Chain”, Mr Rajendra Shah, IIM Ahmedabad Alumnus taught “Troubleshooting in Tally software”, while Mr Saurabh Pancholi gave insights in Vapor Absorption Machine.



INDIAN SOCIETY OF HEATING REFRIGERATING AND AIR CONDITIONING ENGINEERS VADODARA CHAPTER



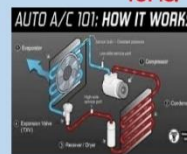
INVITATION

TECHNICAL TALK FOR STUDENTS

Speaker : Mr. Jigar Indravadan Shah, President elect



TOPIC: “VCR System Components”



Date : 19/02/2022
 DAY : Saturday
 TIME : 3:00 PM

REGISTRATION LINK:
<https://forms.gle/ybAS6ppCPPu7C5WM6>

Venue: MicroSoft Teams (MS teams)

All the registered participants will receive invitation link via e-mail

Mr. Jigar Indravadan Shah is an experienced engineer with a bachelor's degree in Chemical Engineering. He is currently Proprietor of M/s. Unique Air Tech. He is a consultant and Turn-Key Project Contractor for Refrigeration & Air-Conditioning Projects like ColdStorage, Chiller Plant, Ice Plant HVAC, etc. And he has commissioned nearly 300+ projects for chiller plant, cold storage, ice-plant, frozen food plant, heat pump, etc. He has more than 20 years of experience.

**Indian Society of Heating Refrigerating
and Air Conditioning Engineers**

VADODARA CHAPTER

ISHRAE
Vadodara Chapter

40
YEARS OF
ISHRAE

INVITATION

Technical Talk



Speaker : Dr. Prateek Srivastava
Qualification : Ph.D in HVAC system

ISHRAE Vadodara chapter proudly announce the online
Technical Talk on

Topic : "Radiant Cooling System"

DATE	TIME	DAY
05th February 2022	4.00 pm Onwards ZOOM Platform	Saturday

ISHRAE VADODARA MSU CHAPTER had organized a technical talk by Dr Prateek Srivastav on 5th February, 2022. He gave technical details of Radiant Cooling System.

M.Tech (NIT Silchar) in Thermal Engineering and a Ph.D. in HVAC system from MNIT Jaipur. During his Ph.D. he was visiting researcher at Lawrence Berkeley National Laboratory, USA and BHAVAN intern at Oak Ridge National Laboratory, USA. He has published more than 20 research publications in peer reviewed Journals. Presently he works as Director of Sustainergic Tech Pvt. Ltd. His company works in the domain of Green Building Consultancy and HVAC designing and installation. He has designed various projects of Radiant heating and cooling system. He has also worked for some time in an ESCO company. He is active member of Radiant Cooling System Technical Group (ISHRAE). Presently he is serving as Chair - Student Activity in ASHRAE Chandigarh Chapter.

ISHRAE VADODARA MSU CHAPTER had organized a technical talk by Mr. Arpan Kedia on 26th March, 2022. He gave technical talk on Air Handling units.

ISHRAE
Vadodara Chapter


**INDIAN SOCIETY OF HEATING REFRIGERATING
AND AIR CONDITIONING ENGINEERS
VADODARA CHAPTER**

STUDENTS
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INVITATION

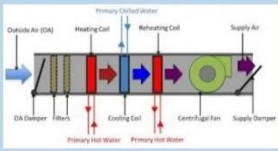

TECHNICAL TALK FOR STUDENTS

Speaker : Mr. Arpan Kedia



Mr. Arpan Kedia obtained his Master of Technology from IIT Kanpur in Solid Mechanics and design. He completed his B.Tech from Oriental Institute of Science & Technology Bhopal. He is IGBC (Accredited Professional) AP certified. Mr. Arpan Kedia is currently working in Carrier AirCon - Gurugram. He has gained more than 10 Year of experience in HVAC industry with expertise in Optimize design of ASME Heat Exchanger, Air Cooled / Water Cooled Screw / Scroll Chillers & Condensing unit. He also worked as a design and planning manager in Blue Star Ltd. He successfully delivered planning and design of projects in Apollo Hospital Navi Mumbai, JWM Hotel Sahar Road, Cancer Hospital Ahmedabad, Gift City Gujrat and many more. He has also won many awards for best running projects, and Executive of the Year. He then chose to work for Product Development in Blue Star. He executed some breakthrough projects like Inverter Scroll Chiller, first in India.

Topic: " Air Handling Units "

Date : 26/3/2022
DAY : Saturday
TIME : 3 pm

REGISTRATION LINK:
<https://forms.gle/YhbQAD2sNMxRmnSV6>


Platform : MS Teams (Microsoft Teams)

ALL THE REGISTERED PARTICIPANTS WILL RECEIVE INVITATION LINK VIA E-MAIL

QUIZ

COMPETITION

IVC – MSU QUEST 2020



WE ARE PLEASED TO ANNOUNCE FROM
ISHRAE VADODARA MSU TECHO ORGANIZE A
QUIZ QUEST COMPETITION

IVC-MSU quest 2020

SPECIALLY FOR MECHANICAL ENGINEERING
STUDENTS CAN TAKE A PART AND SHOW YOUR
KNOWLEDGE AND WIN ATTRACTIVE PRIZES IT WILL
BE A GREAT FUN TO BEING PART OF IT....

DATE: 5&6 DEC

ISHRAE VADODARA MSU CHAPTER had organized a QUEST which was held on 2 days – 5th and 6th of December, 2020. It was a 3 round quest and 33 teams all over Vadodara chapter and even outside Vadodara chapter had participated for the quest. The winners got cash prize of 2000 rupees while second and third prize was of 1000 and 500 rupees. The quiz was organized successfully boosting moral of students in learning new things about HVAC&R.

The first prize was won by Shubham Kale & Deep Kardani (GEC Bharuch Team). The second prize by Udhayamurthy M/B Srinivasan (Rajalakshmi Engineering College, Chennai). While the third prize was won by Deepika Rajai & Tanveer Sheikh (Gyanmanjari Institute of Technology, Bhavnagar).

Announcing first of its kind.....

STUDENT MEMBERSHIP ISHRAE VADODARA APTITUDE TEST (IVAT) SCHOLARSHIP

for

STUDENT MEMBERSHIP SCHOLARSHIP

IVAT



Announcing first of its kind.....

ISHRAE VADODARA APTITUDE TEST (IVAT)

for

STUDENT MEMBERSHIP SCHOLARSHIP



ISHRAE Vadodara chapter would like to attract meritorious students for membership to make their own as well as future of HVAC&R industry brighter. So, IVC have decided to offer scholarship in the form of providing partial fee reimbursement for the students who join ISHRAE.

And so ISHRAE VADODARA APTITUDE TEST (IVAT) was introduced. The scholarship was given according to the cut-off marks as well as the participation and IVC consideration. IVC Student Members are thankful to Dr. Jignesh Mehta and entire IVC for the IVAT Scholarship. The first IVAT was taken on 4th July 2021. Five students of 3rd year and four students of 4th year of MSU were given scholarship.

Benefits of joining ISHRAE:

ISHRAE is Indian Society for Heating Refrigerating and Air Conditioning Engineers. It has around 10,000 professional and almost equal number of student members throughout India. It works for the advancement of the technical knowledge and skills and exposure to the industry; in addition to providing a great opportunity for networking with people working in the HVAC&R industry. You can get the following benefits by joining ISHRAE:

Recognition of being associated with a prestigious professional society, attending technical talks by industry experts, industry visits, participation in inter-college quiz, access to e-copy of ISHRAE journal, chances of getting funding for final year project, participation in national students' design competition, getting recruited in a HVAC&R company and many more...

So, enrol today as ISHRAE student member, the website of ISHRAE: <https://ishrae.in/>

Special Thanks to...



Shri Chandrakant Rami

President of ISHRAE Vadodara Chapter
2020 – 21
Mo: 9327220885



Mr. Hemant Bedekar

President of ISHRAE Vadodara Chapter
2021 – 22
Mo: 9879544868



Mr. Jigar Shah

President of ISHRAE Vadodara Chapter
2022 – 23
Mo: 9825911618



Dr. J R Mehta

Faculty Advisor of ISHRAE MSU Vadodara
Student Chapter
Mo: 9426372403