

[2019-20]

STUDENT BODIES: ISHRAE-VCET STUDENTS CHAPTER

1) **Event details: ISHRAE Student Chapter Installation**

Date: 23rd August 2019, Friday

Venue: Annasaheb Vartak Hall, Krushnaji Waman Chitale Road, Dadar West, Mumbai – 400028.

Registration: 1:30 pm – 2:00 pm (Event: 2:00 p.m. onwards)

ABOUT 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 over **28,780 HVAC & R professionals** and **Student-Members**. ISHRAE Operates from over 42 Chapters and Sub Chapters spread all over India, with Headquarter in Delhi.

ISHRAE-VCET STUDENTS CHAPTER INSTALLATION CEREMONY

On 23rd August 2019 ISHRAE Mumbai Chapter had organised a grand installation ceremony and ISTL launch for all of its Student's Chapters. The ceremony was initiated by lighting of lamp by the chair members of Mumbai Chapter with president- Mr. Mihir Sanghavi, president elect- Mr. Rajendra Joshi, secretary – Mr. Kishor Karle, student activity chair – Kunal Bhavsar and other chair members. After lamp lighting Mr. Mihir Sanghavi gave a brief about the ISHRAE committee, how it is beneficial for every engineering students and professionals, what is the Motto of this huge organization and how it is spread all over India conducting various conferences, seminars, workshops and exhibition such as ACREX, REFCON, REFCOLD, JOB JUNCTION etc. He also guided students with time and money management and advised us to read books such as Rich Dad Poor Dad, The secret and after this he handed the dice to Mr. Rajendra Joshi (president elect of Mumbai chapter). Mr. Joshi aware the students about the ISTL (ISHRAE Students Technical League), how it is enhancing the skills of students participating in ISTL and making them ready for their future career by giving them a one year equivalent industrial exposure in the field of HVAC&R after this he handed to Shyamir Khan, winner of ISTL 2018-19 from D.J Sanghavi College of Engineering and Technology. Shyamir gave a brief about his experience with working along the professionals of the industry and guided us how can we start with our project.

INSTALLATION & OATH CEREMONY:



2) Event details: AQUEST Report

AQUEST is a student competition organized by ISHRAE every year which is concluded with Grand Finale at ACREX INDIA, South Asia's largest Exhibition on Refrigeration and cold chain, Air conditioning, Ventilation, and Intelligent Building Services.

AQUEST is national level quiz competition for the student members of ISHRAE. It is chapter level qualification round paper based quiz competition is to be conducted by ISHRAE Mumbai Chapter. This year it was held at SADAR PATEL COLLEGE OF ENGINEERING at ANDHERI on Friday 1st of November. QUIZ competition program consist of a set of question based on categories such as Thermodynamics, Fluid mechanics, Heat transfer, Thermal systems, RAC/HVAC System, Workshop technology, Indoor air quality , General knowledge, Entertainment . Scoring consist of 5point on correct answer and -2 on wrong answer marking, more than one option will be awarded Zero marks ,Total time for entire quiz was 45 minutes Top 3 teams will representing MUMBAI CHAPTER for Quarter final.

There were total 30 questions 3 Questions from each category. Preliminary round started at 2 pm till 4 pm and at the end of the day final result for prelim round read by the Mumbai faculty in charge. All faculty members congratulated the winners for the next zone. Two Participants who participated in AQUEST from ISHRAE-VCET

Chapter were Anuja Sawant and Sahil Save. But unfortunately they lost in the Aptitude round and weren't able to go any further in the competition. However it was a learning experience that will help them and us to improve ourselves and go back in AQUEST next year stronger and more prepared.

3) Event: MECH-EXPO 2019

INTRODUCTION

VMEA

VMEA is a committee built entirely on the drive of its members. It traces back its origin to the year 2000 when it was formed, which makes it one of the oldest and highly active technical student bodies in Vidyavardhini's college of engineering and technology. VMEA involves organizing events and competitions such as Product showcases, Quiz competitions, Project competitions etc. **ISHRAE- VCET Students Chapter.**

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 28,780 HVAC&R professionals and Student-members. ISHRAE is a committee which involves its expertise in heating ventilation and air conditioning domain. The committee in a way tries to involve college students in activities of such domains thereby giving them an insight of the field.

MECHEXPO 2019

Mech-Expo is a technical exhibitory event conducted by Mechanical Engineering Department of Vidyavardhini's College of Engineering & Technology. This year it was held on dated 19/09/2019. It is one of the most Informative event conducted in VCET which is received with great deal of enthusiasm and engagement by the students as well as faculty. Machinery, Tools, Fasteners, different machine components and associated products are all showcased to provide a greater insight into the actual industry standard products and their working. Such kind of exposure enhances and refines the overall understanding of students and increases their inquisitiveness to emerging technology in the field of engineering. Mech-Expo 2019 involved various products such as **3D Printer, Construction Machines, Valves, Compressor, Molds, Pneumatic components, Fasteners, Automobile components, springs** and many more products which provided a great knowledge to students as well as other visitors.

The Theme of MECH EXPO 2019 was particularly eye-catching as it was on "Measuring Instruments". This Theme was Chosen to show the base of Mechanical Engineering which are the instruments which are used for doing all the basic works of Engineering. Vernier Caliper, Micrometer, Speedo-meter, Dial gauge were the centre of attraction of this theme. This theme was appreciated and welcomed by everyone. The Inauguration of MECH EXPO 2019 was done by Mr. Baptis Jack, Mr. Yash Shah and Mr. Vrushank Choudhari, they guided us about Mechanical Engineering and told us how to utilize these four years of engineering to the fullest. After this Informative Interaction they went around looking at the products we brought in and gave their precious advice to the students elaborating the Products. After this they were felicitated by the Members of VMEA & ISHRAE Committee in HOD's office. They were presented with mementos as a token of our appreciation and they appreciated our efforts and told us that the idea of MECH EXPO is a great success.

Various Industrialists, Professors, Students of Anna Saheb Vartak School also visited MECH EXPO. Students were very excited to see the product showcase and after visiting the MECH EXPO the feedback for the students was great they enjoyed the event. Through these event they were able to gain a great deal of knowledge about the field of Mechanical Engineering. There was positive feedback from the industrialists who visited MECH EXPO.

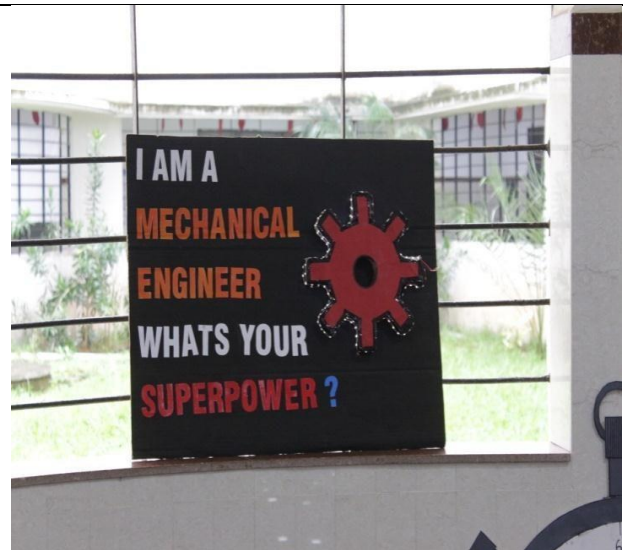
Products of various industries where showcased in the event some of them where

| Sr no. | Name | Address | Product | Description |
|--------|---------------------|--|-------------------------------|--|
| 1 | Pacific tools | Unit 8, Noble industrial estate no.1, Vasai (E). | Pharmaceutical dies | This industry manufactures pharmaceutical dies and other dies used in the die industry |
| 2 | JMV IMPLEX | Rushabh Towers, A 101 Sun City ,Vasai (W), Navghar Maharashtra401202 | Automobile components | This industry manufactures automobile parts and related products |
| 3 | VALFIT ENGG | Plot no 38, Indo Industrial Estate no 4, Navghar, Samarth Krupa, Vasai (E), Mumbai, Maharashtra401210 | Ball and butterfly valves | This industry is involved in making various types multicolumn , butterfly and ball valves. |
| 4 | Accurate Industries | Unit no. 9 to 12, Anila Shanti Industrial Estate, Building no. 2, Dhumal Nagar, Waliv, Vasai (East) Dist. Thane, Mumbai-401208 | Springs | They are involved in making different types of springs. |
| 5 | Conkord Engineering | Sarang Industrial Estate, Vasai (E) | Chains | This enterprise makes Chains |
| 6 | Pradako Fastners | Vasai (east) | Fastners | They manufacture different types of nuts, bolts and screws |
| 7 | Maxeef Engg pvt.ltd | Golani naka Vasai (east) | Moulds and plastic components | They manufacture plastic components using injection moulding technology |

| | | | | |
|----|-----------------------------|------------------------------------|------------------------|--|
| 8 | Khatri industry | Navghar-manikpur Vasai east | Plastic moulds | They make different types of plastic containers |
| 9 | Dry air product corporation | Yadav nagar, saki naka Andheri (E) | Compressors | This enterprise makes different types of compressors |
| 10 | Able const Tech | | Construction equipment | They make machines used in construction works |
| 11 | Hydro pneumatic | Ram nagar , Vasai west | Pneumatic components | They make different types of pneumatic components |
| 12 | KD Industries | Geeta Udyog nagar , Vasai east | Fins | They make body components having fins |

MECH-EXPO 2019 got a great response from the Teaching, Non-Teaching Staff and Students of all the other Departments appreciating it. The Committee members were hence encouraged to organize such kind of events on a greater extent in future. The purpose of displaying products from various Mechanical Engineering domain was served as we had products ranging from automobile, manufacturing, Design, Tooling etc. Our guest of honor also gave an advice full of wisdom as he was an experienced professional. Overall, MECH-EXPO 2019 was a great success like every year, even more so this year.

Gallery: Photo of Seminar / Event:





4) Event: ISHRAE-VCET Seminar:

ISHRAE-VCET Students Chapter Presents Seminar

The **ISHRAE-VCET Students Chapter of Department of Mechanical Engineering** arranged a seminar talk for ISHRAE member of students on **the topic: Fundamentals of HVAC & Centralised Chilled Water Air Conditioning System.** on dated **27th Feb'2019** at **3:30 to 5:00pm** in seminar hall (**3rd Flr.**). **Total 103 students were present for the seminar and faculties from Mechanical Engineering Department.** The guest speaker for the seminar is **Mr. Swapnil Juvekar, Area Manager Infrastructure Solutions, Voltas Ltd., Mumbai, India** accepts our invitation and presents the seminar. The detail contents about the seminar is awareness and current HVAC industrial scenario, future scope, Industrial challenges and Job opportunities. Market strategies for HVAC industries, heat load calculations related case studies, selection and sizing of entire HVAC equipment and chilling system.

The seminar start at 3:35pm in seminar hall (3rd Floor) with welcome flowers. Student readout the achievement of speaker and its CV. The guest speaker is working in Voltas Ltd. as area Manager Infrastructure solution with 7 years' experience in HVAC system Design and Project Planning. He has professional qualification as BEE certified Energy Manager and Energy Auditor and IGBC AP, He was Guest speaker in Tech Talk at our ISHRAE Mumbai Chapter. Prof. V.D. Patel, faculty in charge of ISHRAE-VCET Students Chapter also highlighted the various activities held during the year. Chapter installation program, seminar, industrial visits, IJJ (ISHRAE Job Junction), aQuest, Acrex, Project Fund for Graduate ISHRAE student members, their participation in various events held in Mumbai chapter and other ISHRAE chapter.

The guest speaker starts the presentation with PPT. Need of energy, importance of energy in today's life, need of air conditioning systems, comfort of zones, asked questions to students about the psychometric charts, Plot the psychometric charts, need and manufacturing of air condition systems in details explained by speaker. The students were enjoy during the seminar. This is total interactive session. They asked a multiple question during question answer session. As a token of love the mementos present by Vinay Patel, faculty in charge of ISHRAE-VCET students Chapter. At the end student fill up the feedback forms. The Vote of Thanks read by Mr. Pratik, Vice President of ISHRAE-VCET Students Chapter, Vasai.

The approval copy for the seminar and acceptance letter for the seminar is attached herewith.

Gallery: Photo of Seminar / Event:



The details of expenditure and student's attendance sheet and Student's feedback form during seminar is attached herewith for a reference.

6)Event: Organizes WEBINAR SERIES ON Heating Ventilation and Air Conditioning & Refrigeration-Application.

Date: 20th May- 24th May 2020

Webinar Series Report


VIDYAVARDHINI'S COLLEGE OF ENGINEERING AND TECHNOLOGY
 VASAI (WEST)
DEPARTMENT OF MECHANICAL ENGINEERING
 in association with
ISHRAE - VCET STUDENTS CHAPTER


ORGANIZES
WEBINAR SERIES ON
Heating Ventilation and Air Conditioning & Refrigeration - Application

| | | |
|---------------------------------|---|---|
| 20 May 2020 5-6pm |  | MR. SUDHAKAR VELLORE, MAINTENANCE MANAGER, <i>Mahindra & Mahindra Ltd., Farm division</i> <i>Hyderabad, Telangana, India</i> 1) Basics of Refrigeration and Air conditioning, 2) Energy saving opportunities- A Case Study |
| 21 May 2020 12-1pm |  | MR. SUHAS KSHETRE, PROJECT PLANNING ENGINEER, <i>VAV Air Conditioning.</i> Basics of Air Handling Units |
| 22 May 2020 12-1pm |  | MR. SIDDHESH VARTAK, DEPUTY MANAGER, <i>MEP Contract-HVAC, Godrej & Boyce Mfg. Co. Ltd.</i> Duct Design & Air Terminals |
| 23 May 2020 12-1pm |  | MR. SIDDHESH VARTAK, DEPUTY MANAGER, <i>MEP Contract-HVAC, Godrej & Boyce Mfg. Co. Ltd.</i> Job Opportunities in HVAC industries- Current Scenario in HVAC Industries. |
| 24 May 2020 12-1pm |  | PROF. RISHABH MELWANKI, <i>Assistant Professor,</i> <i>Vidyavardhini's College of Engineering and Technology, Vasai (W)</i> 1) Applications of HVAC & R 2) Online Quiz- (25 Questions) - 40% Passing |

INTERESTED PARTICIPANTS CAN REGISTER USING
 THE LINK GIVEN BELOW:
<https://forms.gle/mctKcF2UBnmhJKRP9>



DIGITAL CERTIFICATE
AFTER SUCCESSFULLY
COMPLETION OF
WEBINAR

FOR ANY QUERY CONTACT:
 1) Prof. Vinay D. Patel - (M) 8422946463
 2) Organizing Team: ISHRAE -VCET Students Chapter (Faculty in charge).
 Dr. Ashish Chaudhari - (M) 9029730470
 Prof. Swapnil Mane - (M) 9860170151
 Prof. Raahul Krishna - (M) 7350734092
 Prof. Rishabh Melwanki - (M) 9082264361
 3) Dr. UdayAsolekar: HOD (Dept. of Mechanical Engineering).

Visit: www.vcet.edu.in

5) Committee details

• Staff details

| Staff Name | Department | Contact no (College extension no) |
|----------------|------------------------|-----------------------------------|
| Vinay D. Patel | Mechanical Engineering | 9890811839 |

• Student details(Only core committee)

| Sr.No. | Name of ISHRAE Members | Designation |
|--------|------------------------|-------------|
| 1 | Pratik N Chudasama | President |
| 2 | Dhara Limbachiya | Secretary |
| 3 | Jaydeep Darji | Treasurer |

| | | |
|----|--------------------|------------------|
| 4 | Durgesh Gavaskar | Organizing Head |
| 5 | Vineet Jadhav | Technical Head |
| 6 | Neil Suneria | Literature Head |
| 7 | Lekha Jani | Creative Head |
| 8 | Mittal Gohil | Publicity Head |
| 9 | Pratik Kondaskar | Vice President |
| 10 | Mayur Kini | Deputy Secretary |
| 11 | Ankit Pal | Deputy Secretary |
| 12 | Aayush Chandat | Deputy Treasurer |
| 13 | Jyoti Saini | Deputy Treasurer |
| 14 | Anuj Singh | Member |
| 15 | Aashirwad Patil | Member |
| 16 | Shreedhar Davane | Member |
| 17 | Ashwin Dhangar | Member |
| 18 | Prem Baisane | Member |
| 19 | Prathamesh Rane | Member |
| 20 | Sarvesh Shinde | Member |
| 21 | Vishwesh Gondhali | Member |
| 22 | Raviranjana Mishra | Member |
| 23 | Smita Arekar | Member |
| 24 | Rahul Goraksha | Member |
| 25 | Pranav Patel | Member |
| 26 | Jason Bharakhada | Member |
| 27 | Manohar Mestry | Member |
| 28 | Omkar Mergu | Member |
| 29 | Karan Luharpanchal | Member |
| 30 | Harshada Yadav | Member |
| 31 | Omkar Phadale | Member |
| 32 | Kaustubh Salvi | Member |
| 33 | Aakash Gupta | Member |
| 34 | Anurag Churi | Member |
| 35 | Mala Gupta | Member |
| 36 | Anuja Sawant | Member |
| 37 | Rohan Shinde | Member |
| 38 | Manav Birje | Member |
| 39 | Pranav Chavan | Member |

| | | |
|----|-----------------|--------|
| 40 | Ritik Singhvi | Member |
| 41 | Sanika Sable | Member |
| 42 | Sahil Save | Member |
| 43 | Syed Sirajuddin | Member |
| 44 | Saurabh Kapse | Member |
| 45 | Rahul Patil | Member |
| 46 | Nishant Gawad | Member |
| 47 | Chintan Patel | Member |
| 48 | Aditya Patane | Member |
| 49 | Vaibhavi Murkar | Member |
| 50 | Tanmay Sankhe | Member |
| 51 | Rohit Patil | Member |
| 52 | Debashish Das | Member |
| 53 | Mahesh Masal | Member |
| 54 | Sagar Samel | Member |
| 55 | Yash Sarfare | Member |
| 56 | Rahul Bagade | Member |
| 57 | Heena Khotekar | Member |
| 58 | Girish Rokade | Member |
| 59 | Vedika Patil | Member |
| 60 | Raghav Sharma | Member |
| 61 | Saleel Churi | Member |
| 62 | Shreyas Pai | Member |