

STUDENT BODIES: ISHRAE-VCET STUDENTS CHAPTER

1) Committee details

- Staff details

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

- Student details (Only core committee)

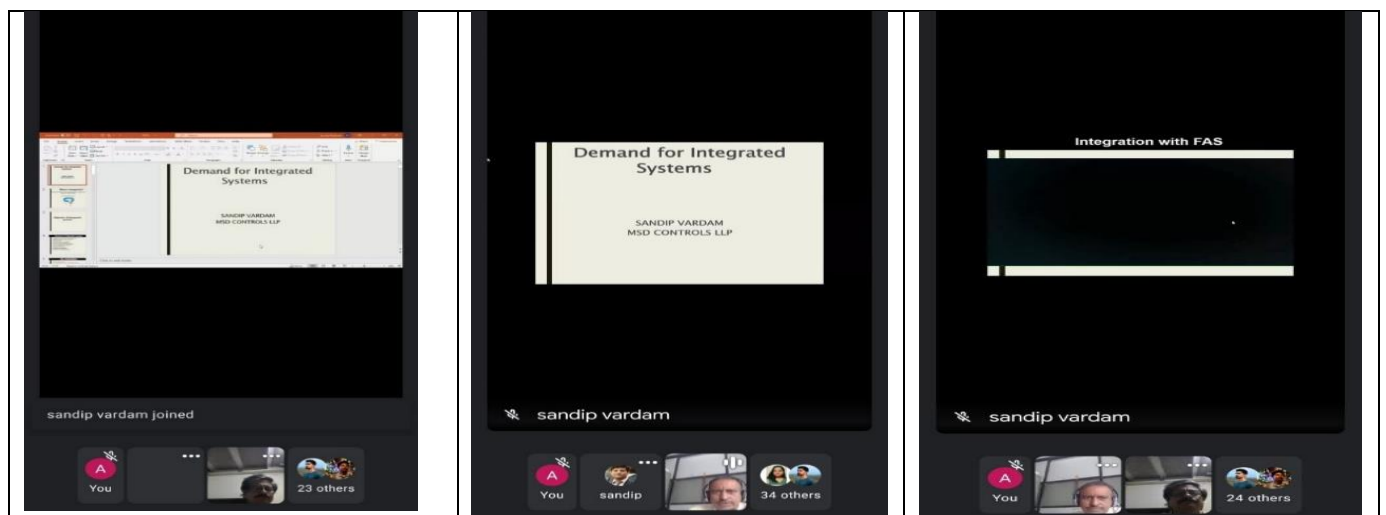
Sr.No.	Name of ISHRAE Members	Designation
Core Members		
1	Pratik Dasharath Kondaskar	President
2	Mayur Hareshwar Kini	Secretary
3	Aayush Shamji Chandat	Treasurer
4	Vaibhavi Deepak Murkar	Vice President
5	Shridhar Mahesh Kashalkar	Task Force Head (TFH)
6	Jason Vipul Bharakhada	Technical Team Head (TTH)
7	Sahil Sandeep Save	Publicity Head (PH)
8	Jay Shailesh Harsora	Report Writing Head (RWH)
9	Aashirwad Devendra Patil	Organizing Team Head (OTH)
10	Anurag Rajesh Churi	Creative Team Head (CTH)
Members		
11	Devesh Chetan Dhamecha	Member TFH
12	Somesh Chandrakant Gurav	Member TFH
13	Ankit Shesdhar Pal	Member TTH
14	Arbaaz Iqbal Shaikh	Member TTH
15	Saurabh Ramrao Kapse	Member TTH
16	Patel Chintan	Member TTH
17	Dhawneel Ashish Pattani	Member PH
18	Prathamesh Prakash Rane	Member PH
19	Saleel Churi	Member PH
20	Tushar Gosavi	Member RWH
21	Harsh Rajendra Sambare	Member RWH
22	Rathod Sandip	Member OTH
23	Rohit.R.Patil	Member OTH
24	Sakshi Abhijit Tilwankar	Member OTH
25	Mayuresh Mohan Sawant	Member CTH
26	Devesh Garande	Member CTH
27	Rahul Sunil Patil	Member CTH

ISHRAE-VCET Students Chapter Presents Webinar

The ISHRAE-VCET Students Chapter of Department of Mechanical Engineering arranged a webinar talk for ISHRAE member of students on the topic: “**Building Management System**” on dated **19th March 2021, Friday at 3:30 to 5:00pm** through Google meet. **Total 40** students were present for the webinar and faculties from Mechanical Engineering Department. The guest speaker for the webinar was **Mr. ANDIP VARDAM** Mechanical engineer 29+ years of experience in HVAC, fire safety and IBMS segment. Partner at MSD Controls LLP accepts our invitation and presents the webinar. The detail contents about the webinar were Demand for Integrated System, Objective of Integrated System, Key Stakeholders, Objective of Owners, Objective of Occupants, Objective of Faculty Team, Alarm Management and Practical Example of System Integration.

The seminar was filled with insights and opportunities. It helped in broadening the domain of applications of Mechanical engineering putting light upon innovative sectors and demands. The takeaways from the seminar were plenty and fruitful. The credit goes to the faculty members and the ISHRAE student members for the endeavour put in arranging such an exclusive and informative session for the benefit of budding engineers.

Gallery: Photo of Seminar / Event:



REC sandip vardam is presenting

Objective of Integrated systems

- Seamless communication between systems.
- Fulfillment of operational requirement
- Climate control.
- Lighting Control & management.
- Power & Utilities management.
- Smart Communication & Networking
- Fault management & notification
- Energy management
- Occupancy management
- Maintenance management
- Command & control of services

ISHRAE-VCET Students Chapter P... X

People (37) Chat

Mute all Add people Host controls

IN CALL

- Vinay Patel (You)
- A-09_DEBASHISH DAS
- A-11 Harsh Dhruv
- A-13 Anika Gavli
- A-16_Dhanshri Gulve

REC sandip vardam is presenting

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ISHRAE-VCET Students Chapter P... X

People (36) Chat

- A-25 Yashraj Murkar
- A-30 Rahul Patil
- A-33 Dier Popat
- A-36 Sagar Samal
- A-42 KARAN THAKKER
- A-47 Dewang Chauhan
- A-53 INDRAHISHI KAR...
- A-54 Shridhar Kashalkar

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ISHRAE-VCET Students Chapter P... X

People (36) Chat

- A-54 Shridhar Kashalkar
- A-72 Sagar Kadam
- A-75 Manal Vartak
- A08_Sakshi Churi
- A13-KUNU MAYUR
- A19_Dhruv Kale
- A26 Chintan Patel
- A43 Varad Takke

ISHRAE-VCET Students Chapter P... ^

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ISHRAE-VCET Students Chapter P... X

People (36) Chat

- A43 Varad Takke
- B-34 Gagan Tushar
- B-37 Tanvisha_Pantaji
- B06-CHIRU ANURAG
- B06 Mahesh Patilpande
- B37 Bhavit Sankhe
- B43 Ranul Soni
- B47_Mayuresh Sawant

ISHRAE-VCET Students Chapter P... ^

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ISHRAE-VCET Students Chapter P... X

People (37) Chat

- B47_Mayuresh Sawant
- BE - B-39 PRATIL AASHIR...
- Dhruvneel Pattani
- Jason Bharanada
- Pratik Kondaskar
- Rahod_Sandip
- Rohit Patil
- sandip vardam

ISHRAE-VCET Students Chapter Pr... ^

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Key stakeholders

- Building Management**
 - Top management of owner of building complex.
- Building facility team**
 - Company or department who handles day to day operations of building complex
- Tenant**
 - Company who occupy part or full building.
- Occupants**
 - People working in building complex.

ISHRAE-VCET Students Chapter P... X

People (38) Chat

- ASHOOF DIBSARASCA
- Pratik Kondaskar
- Rahod_Sandip
- Rohit Patil
- sandip vardam
- sandip vardam Presentation
- shreehar davana
- Vishwas Palve

ISHRAE-VCET Students Chapter Pr... ^

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National Student Design Competition (2020-21)

ISHRAE student activities launches National Student Design Competition (NSDC) for 2020-21 for ISHRAE student members. It is basically Design of Air Conditioning System for an IT company for better indoor air quality. The Awards was as follow, 1st Prize was Rs.30000, 2nd Prize was Rs 20000 followed by Motivational Prize of Rs.10000. Participation certificate was given to all the participants. Important dates for the events were as followed, Registration date was 18/08/20, Date for submission of design was 31/10/20, Design presentation at zonal level was conducted at 28/11/20 followed by design presentation for nation level at 31/01/21. The eligibility criteria was the undergraduate student member of ISHRAE were allowed with maximum number of student in team was 3, It was mandatory for all participants to resister for this events only register participants were allowed to enter for event. Students were given liberty to assume the required data, but they should mention those in report. The designing should be based on Indian Standard. The criteria for evaluation were based on Heat Load Calculation, Equipment Selection, Duct Design, Design Qualifying Load Fluctuation, etc. VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY and ISHRAE MUMBAI CHAPTER under guidance of Mr. Sandip Vardam, the following students had participated in the NDSC National Student Design Competition 2020-21 presented by ISHRAE:

Team 1	Team 2
Pranjali Tawasalkar	Jay S. Harsora
Vaibhavi Murkar	Devesh C. Dhamecha
Shridhar Kashalkar	Somesh C. Gurav
Chintan Patel	Rahul S. Patil

The brief about the project of Team 2 is mentioned below:

Purpose: Design and study of Air Conditioning System for an IT COMPANY for better Indoor Air Quality.

Relevant Standards: ISHRAE Standards, ASHRAE Standards, National Building Code

General Description of the Site: Location: Mumbai, Latitude: 18.54 deg N, Altitude: 11, Outside Conditions: DBT: - 92.3 F, WBT: - 80.9 F, %RH: - 61.81% (Summer Conditions)

Total Air-Conditioned Area: 44065 SQ. FT, Height of Floor: 14.76 ft., Number of Floors: 2 (Ground Floor & First Floor)

They proposed the following ideas and requirements about the HVAC system into consideration:

1. VRF system with 4-way cassette unit for enclosed space such as ODC's meeting rooms, training & conference room etc. in order to get independent control, thermal comfort & energy conservation
2. For manager' room on each floor we proposed HI-wall split unit.
3. Duct able units are used for corridor and lobby duct able units for open spaces such as lobby & corridor in-order to get uniform temperature control in all areas.
4. Fresh -air fan and exhaust fan are used for proper ventilation in toilets and to avoid foul odour entering the office space.
5. Untreated fresh air fan is provided to ductable unit through cabinet fans and from ductable, the duct shall be connected to each VRF cassette unit through air flow regulator so as to get adequate amount of fresh air in enclosed space also.

Proforma for Submission of Proposals for Student Research Project

Grant– SRPG Under Graduate2020-21 to ‘FIRST’

Please complete all of the information requested in the following tables. All Submissions must be submitted electronically in PDF format by email at ispg_ug@ishraehq.in for UG Project.

Due Date: 14th August 2020, 11:59 P.M

Late or incomplete applications will not be accepted.

I. GENERAL INFORMATION

S.No	Item	Details
1	College Name and address	Vidyavardhini's College of Engineering and Technology K.T.Marg, Vasai (W), Dist: Palghar, Pin: 401202, Maharashtra, India
2	Faculty Adviser /Guide Name (Name, Address, Mobile number and email)	Vinay D. Patel (M):9890811839 Email: vinay.patel@vcet.edu.in Dr. Ashish J. Chaudhari (M):9029730470 Email: ashish.chaudhari@vcet.edu.in
3	Is the Faculty Adviser /Guide ISHRAE member? If yes, ISHRAE Membership Number	Vinay D. Patel, Membership Number (59086) Dr. Ashish J. Chaudhari, ISHRAE Membership Number: (Not yet allotted)
4	Principal of the College (Name, Address and email)	Dr. Harish V. Vankudre Vidyavardhini's College of Engineering and Technology K. T. Marg, Vasai (W), Dist: Palghar, Pin: 401202 Email: principal@vcet.edu.in
5	Local ISHRAE Chapter Name and Address (Name, Address and email)	ISHRAE Mumbai Chapter, 102, 1st Floor, Sunil Enclave Premises Co-op Soc. Ltd., Off M V Road, Pereira Hill Road, Andheri East, next to WEH Metro Station, Mumbai, Maharashtra 400099 Email: admin.mumbai@ishrae.in

6	ISHRAE Student Chair at the local chapter (Name, Address with Mobile number and Email)	Mr.Parth Vinod Thakkar Mob.No. +91 98193 71689 Email: parth@polfrost.com
9	Title of the Project	Experimental Investigation of Cold Storage by using Ice Slurry for SeaFood Products Preservation.
10	Amount Requested (Rs)	50,000/-
11	Student/s Name, Mobile number, E-mail, ISHRAE membership number(Maximum three student members and project lead shall be given as first name)	<p>1) Mr.Rathod Sandip, (M):9137881054 Email:rathod.sandip1996@gmail.com ISHRAE Membership: S00091011</p> <p>2) Mr. Gosavi Tushar (M):9594659293 Email:tushargosavi14@gmail.com, ISHRAE Membership: S00091043</p> <p>3) Mr.Devesh Garande (M):9892012613 Email:deveshgarande26@gmail.com ISHRAE Membership: S00091034</p>

IV. CERTIFICATE FROM THE LOCAL ISHRAE CHAPTER

The student project entitled, **Experimental Investigation of Cold Storage by Using Ice Slurry for Sea Food Products Preservation** submitted by our ISHRAE student members:

- 1) Mr. Rathod Sandip ISHRAE student Membership ID: S00091011
- 2) Mr. Gosavi Tushar ISHRAE student Membership ID: S00091043
- 3) Mr. Devesh Garande ISHRAE student Membership ID: S00091034

of **Vidyavardhini's College of Engineering and Technology, K.T.Marg, Vasai (W), Pin - 401202, Dist: Palghar, Maharashtra** is submitted here with to the Project Coordinator, ITC - ISHRAE HQ, New Delhi.

We hereby certified that the above said project is worthy in HVAC&R field and may be considered for further scrutiny. If this project is selected for the grant, we ensure that the grant amount will be released based on the recommendation of ISPG committee.

We ensure that utilization certificate, state of expenditure, project completion report will be submitted to ISHRAE HQ on the successful completion of the Project.

Date: 10th August 2020

Place: Vasai (W)



Mr. Parth Vinod Thakkar
Student Chair



Mr. Rajendra Nandkumar Joshi
Chapter President



Prof. Vinay Patel
Faculty Adviser/Guide



VIDYAVARDHINI'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Founder President Late Padmashri H.G. Vartak

(Approved by AICTE and affiliated to the University of Mumbai) Four Branches
Accredited by National Board of Accreditation (NBA), New Delhi

K.T. Marg, Vasai Road (W) Dist – Palghar, Maharashtra, Pin 401 202

Phone: 0250-2338234, (6 lines) * Fax: 0250-2339486 *Website: www.vcet.edu.in * Email: vcet_inboac@vcet.edu.in

VI. ENDORSEMENT FROM THE HEAD OF THE INSTITUTION

Project Title: Experimental Investigation of Cold Storage by Using Ice Slurry for Sea Food Products Preservation.

1. Certified that the institution welcomes the participation of:
Mr.Rathod Sandip (ISHRAE student membership ID: S00091011)
Mr.Gosavi Tushar (ISHRAE student membership ID: S00091043)
Mr.Devesh Garande (ISHRAE student membership ID: S00091034)

Students of Final Year BE Mechanical Engineering Department as the Principle Investigator/s (PI) for the above said project.

2. Certified that the equipment, other basic facilities and other administrative facilities as per the terms and conditions of the award of the Project, will be extended to the investigator(s) throughout the duration of the project.
3. The Institution shall ensure that financial and purchase procedures are followed as per the prevailing norms of the institution, within the allocated budget.
4. The Institution shall provide the Statement of Expenditure and the Utilisation Certificate of the grant as required by the ISHRAE in the prescribed format.
5. The grant for the proposal, if approved may be made in favour of **The Principal, VCET, Vasai.**
 - i) Institution Name as per Bank records: Vidyavardhini's College of Engineering and Technology
 - ii) Bank Account No.: 320602011001031
 - iii) IFSC Code: UBIN0562556
 - iv) MICR Code: 400026153
 - v) Bank Name: Union Bank of India
 - vi) Bank Branch Address: Vidyavardhini's College road.

Vinay D. Patel
Faculty Adviser/Guide of the students
Seal

Dr. Harish V. Vankudre,
(Head of the Institution)
Seal

Date: 10th Aug'2020
Place: Vasai (W).