Department of Mechanical Engineering

[2021-22]

STUDENT BODIES: ISHRAE-VCET STUDENTS CHAPTER

National Student Design Competition (2021-2022)



ISHRAE student activities launches National Student Design Competition (NSDC) for 2021-22 for ISHRAE student members.

Design Theme: Design of Air Conditioning and ventilation system for a multi specially hospital building that pertains to comfort cooling, ventilation, and indoor air quality. The Multi-specialty hospital building consists of 2 floors with terrace.

In ground floor: Reception, Doctor consulting room, emergency room, testing rooms, admin rooms such as billing, accounts and MD room, general wards, physiotherapy room, scan room, housekeeping room, staff rest room, nurse station, pharmacy, canteen, and toilet are available. In First floor: Individual ward, urology, ENT and intestine Medicare rooms, visitor's room, conference room, operation theaters, isolation room, doctor's room, staff room and toilets are available.

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 31/08/2021, Date for submission of design was 31/12/2021, Design presentation at zonal level was conducted at 29/01/2022. followed by design presentation for nation level at 05/02/2022.

The eligibility criteria were the undergraduate student member of ISHRAE were allowed with maximum number of students in team was 4, It was mandatory for all participants to resister for this event only register participants were allowed to enter for event. The proposed system details of multi-specialty hospital building with design and necessary drawings. Design basis report including assumptions, Energy calculations, duct design etc. Specific assumptions to be listed. HVAC & IEC (International Electrotechnical Commission) system selection based on energy efficiencies and other features. Air flow design and distribution. Part load efficiencies and Life cycle cost analysis. Any comparison between VRF and Chilled water systems. Health safety features and standards followed. Energy balance sheet with loss/ savings. Details drawings with all systems and sub systems in place. The following two teams participate in NSDC 2021-22.

We have received 2 Nos. team details for NSDC 2021-22 registrations from your student Chapter Vidyavardhini College Engineering and Technology.

The list is mentioned below with the mentor's details against every team:

Sr. No	Institute	Team Name	Team Members	Mem No.	Mentor
8	Vidyavardhini COE	Team 1	Mr. Shridhar Kashalkar	S00097957	Mr. Dinesh Sunder Shetty Membership No: 13625 Mobile No: 9624096319 dineshshetty@voltas.com
			Mr. Varad Santosh Takke	S00098019	
1			Ms. Riya Rohidas Patil	S00097673	
			Mr.Suyash Mahesh Hoskote	S00098119	
2	Vidyavardhini COE	ini COE Team 2	Mr. Saleel Churi	S2109704	Mr. Vivek Ramchandra Marde Membership No: 33930
			Mr. Girish Rokade	\$21095350	
			Mr. Chintan Patel	S00097650	Mobile No: 9820159998
			Mr. Yash Shikhare	S00097692	vivek@spacehvac.net

ISHRAE HVAC & R HACKATHON

(2021-2022)



ISHRAE HVAC & R HACKATHON 2021-22

TEAM DETAILS:

S.	Student Name	ISHRAE	Email ID	Mobile No.
No.		Membership		
		No.		
1	Mr. Girish	S21095350	girish.rokade20@gmail.com	9665264288
	Rokade	521075550	gii isii.i okade20@giiiaii.coiii	7003204200
2	Mr. Harsh	S20087734	harshsambare210@gmail.com	7875299937
	Sambare	520007734	nai susambai e210@gman.com	1013277731
3	Mr. Chintan	S00097650	chintan.190852101@vcet.edu.in	9112355745
	Patel	500077050	ciiiidii.170052101@vcci.cuu.iii	/11 <u>2</u> 333/ 1 3
4	Mr. Yash	S00097692	yash.190982102@vcet.edu.in	8308185987
	Shikhare	500097092	yasıı.170702102@ veet.edu.iii	0300103707

INSTITUTE DETAILS:

S.	Particulars	Details
No.		
1	College Name with Address	Vidyavardhini's College of Engineering and Technology
		K.T. Marg, Vasai (W), Dist: Palghar,
		Pin: 401201, Maharashtra
2	Name of the Guide	Vinay D. Patel
	(Mobile No. & email ID)	(Mobile No: 9890811839 &
		Email ID: vinay.patel@vcet.edu.in)
3	ISHRAE Student Chapter in	Yes
	the Institution (Yes or No)?	

Local ISHRAE Chapter:

S.	Particulars	Name of the Chapter /
No.		Sub Chapter
1	Local ISHRAE Chapter	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 Students	Designation		
Core Members				
1	Mr. Shridhar Kashalkar	President		
2	Mr. Saleel Jayant Churi	Secretary		
3	Mr. Harsh Rajendra Sambare	Treasurer		
4	Mr. Chintan Vinay Patel	Vice President		
5	Mr. Yash Dilip Shikhare	Deputy Secretary		
6	Mr. Mahesh Vijay Pachpande	Deputy Treasurer		
7	Mr. Girish Anilraj Rokade	Technical Team Head (TTH)		
8	Mr. Hrushikesh Saraf	Publicity Head (PH)		
9	Mr. Shubham Koli	Report Writing Head (RWH)		
	Members			
10	Ms. Riya Rohidas Patil	Member TTH		
11	Mr. Shreya Narshim Pai	Member TTH		
12	Mr. Varad Santosh Takke	Member RWH		
13	Mr. Suyash Mahesh Hoskote	Member PH		
14	Mr.Jitesh Yeshwant Bhagudia	Member		
15	Mr.Aditya Dnyaneshwar Patane	Member		
16	Mr.Prasant Simanchal Sahu	Member		
17	Mr.Tejash Umesh Surti	Member		
18	Ms.Vaibhavi Deepak Murkar	Member		
19	Mr.Rahul Sunil Patil	Member		
20	Ms.Ashitha Ashok Poojari	Member		
21	Mr.Pratik Ashok Maknikar	Member		
22	Mr.Shivam Sanjay Jadhav	Member		
23	Mr.Pritesh Rakesh Jaiswal	Member		
24	Mr.Vira Jayesh Jatin	Member		

25	Mr.Karan Narendra Thakker	Member
26	Mr.Rhishikesh Shridhar Jadhav	Member
27	Mr.Shubham Dilip Pimple	Member
28	Mr.Harsh Dinesh Dhuru	Member
29	Mr.Dheeraj Vijay Patil	Member
30	Mr.Manal Ajit Vartak	Member
31	Mr.Mayuresh Subhash Wankhede	Member
32	Mr.Sagar Vijay Kadam	Member

Vidyavardhini's College of Engineering and Technology

Department of Mechanical Engineering

A Report on ISHRAE-VCET Student Chapter Installation (2021-2022)

The ISHRAE Mumbai Chapter (IMC) had scheduled the ISHRAE VCET Student Chapter installation ceremony on Friday, 21 January 2022 at 11:30 am to 12:30pm (online mode). The installation ceremony was arranged to mark the official establishment of VCET's ISHRAE VCET student chapter for year 2021-22. With the guidance and efforts of student faculty Mr. Vinay Patel, Faculty In charge of ISHRAE-VCET Student Chapter, the guests from IMC office bearers Mr. Amod Dixit, President -IMC, Mr. Mukesh Suthar- Program Chair-IMC, Mr. Sanjay Varma, Zonal Chair, SA-West, Mr. Vivek Marde, Student Activity Chair, IMC, were invited for the event. Also, the faculty members from the Mechanical Engineering Department were attended the installation ceremony.

The event began with welcoming the esteemed guests which was followed by sincere prayers to Goddess Sarasvati by reciting the Sarasvati Vandana. The guests were Welcomed by the faculty in charge, Mr. Vinay Patel followed by his brief presentation on various activities the college ISHRAE-VCET Students Chapter committee has been conducting for the past years. The students were then addressed by IMC president, Mr. Amod Dixit. In his speech briefed the students about the various opportunities and facilities ISHRAE has for the students. The speech also emphasized various programs ISHRAE plans throughout the year for ISHRAE students' members. This was followed by Mr. Vivek Marde, Mr. Mukesh Suthar and Mr. Sanjay Varma brief speeches which presented the ISHRAE facilities in a nutshell but well picturized. Further, the students were addressed by DR. U. V. Asolekar, HOD, Mechanical Engineering Department. He thanked the IMC members for their guidance and words of wisdom and encouragement for the students. Mr. Vinay Patel then requested Mr. Vivek Marde to initiate the oath taking ceremony for the ISHRAE STUDENT CHAPTER office members for year 2021-22.

Mr. Vivek Marde, recited the whole oath and students were supposed to raise their right hand and say the words 'I do'. The first to take the oath was the President followed by the Secretary and the Treasurer. All the office members rose their hand together and collectively took their oaths. All office members promised to follow their duties with dedication and integrity, focusing on achieving goals with proper coordination and understanding. The oaths were succeeded by the Vote of thanks. The students fill up the feedback link and submitted the same. During the events total 66 participants (including IMC guest members, faculties of Mech.Engg. Dept.) were present and 39 students were fill up and submitted the feedback forms. The students were enlightened by the encouraging words of all the IMC Chair members and wave of encouragement and dedication went through all.

ISHRAE student chapter members of VCET received the right motivation and direction to fulfil their responsibilities with probity and wholeness. The photocopy of the above event is attached herewith.









Vidyavardhini's College of Engineering and Technology Invites you for Installation Ceremony of

ISHRAE VCET STUDENT CHAPTER



Mr. Amod Dixit President - IMC



Mr. Sanjay Verma Zonal Chair, SA - West



Mr. Vivek Marde Student Activity Chair, IMC



Mukesh Suthar Program Chair - IMC

Date: 21/01/2022

Time: 11:30 am

Link to join: https://meet.google.com/hsf-muic-zth

Mr. Vinay Patel
Faculty Coordinator, VCET

Dr. Uday Aswalekar HOD, Mechanical Engineering Department Dr Harish Vankudre Principal

