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, house keeping 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
			Mr. Shridhar Kashalkar	S00097957	Mr. Dinesh Sunder Shetty
1	Vidyavardhini COE	Team 1	Mr. Varad Santosh Takke	S00098019	Membership No: 13625
1			Ms. Riya Rohidas Patil	S00097673	Mobile No: 9624096319
			Mr.Suyash Mahesh Hoskote	S00098119	dineshshetty@voltas.com
	Vidyavardhini COE	Team 2	Mr. Saleel Churi	S2109704	Mr. Vivek Ramchandra Marde
2			Mr. Girish Rokade	S21095350	Membership No: 33930
2			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	140.		
1	Rokade	S21095350	girish.rokade20@gmail.com	9665264288
2	Mr. Harsh Sambare	S20087734	harshsambare210@gmail.com	7875299937
3	Mr. Chintan Patel	S00097650	chintan.190852101@vcet.edu.in	9112355745
4	Mr. Yash Shikhare	S00097692	yash.190982102@vcet.edu.in	8308185987

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	Membership ID	Designation	
Core Members				
1	Mr. Shridhar Kashalkar	S00097957	President	
2	Mr. Saleel Jayant Churi	S2109704	Secretary	
3	Mr. Harsh Rajendra Sambare	S20087734	Treasurer	
4	Mr. Chintan Vinay Patel	S00097650	Vice President	
5	Mr. Yash Dilip Shikhare	S00097692	Deputy Secretary	
6	Mr. Mahesh Vijay Pachpande	S00098378	Deputy Treasurer	
7	Mr. Girish Anilraj Rokade	S21095350	Technical Team Head (TTH)	
8	Mr. Hrushikesh Saraf	S00098287	Publicity Head (PH)	
9	Mr. Shubham Koli	S00098224	Report Writing Head (RWH)	
Members				
10	Ms. Riya Rohidas Patil	S00097673	Member TTH	
11	Mr. Shreya Narshim Pai	S00097114	Member TTH	
12	Mr. Varad Santosh Takke	S00098019	Member RWH	
13	Mr. Suyash Mahesh Hoskote	S00098119	Member PH	