

ISHRAE KNOWLEDGE TALK

ISHRAE
KOLHAPUR CHAPTER

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ACREX
India 2025
20-22 February
BIEC, Bengaluru

Women in
ISHRAE

REFRIGERATION CLUB SERIES



ISHRAE KNOWLEDGE TALK Sustainable Water Management, Corrosion Guidebook & Chiller Basics



Namdeo Patil

Founder Member : The Neenasa Enterprises
President - ISHRAE Thane Chapter (24-25)
Industrial and Pharma Process Chillers Specialist
Mechanical Engineer, having professional experience of 23 years with various great organisations like Voltas, Blue Star, Kirloskar and Daikin. Last assignment was with Daikin as Dep. Ge. Manager - Applied Business (West). Started his own organisation in 2019.

Seminar will be useful for

- Utility Engineers
- Sustainability Consultants
- Design Engineers, Faculty Managers
- Architects
- OEM Engineers & Contractors

Charuchandra Dewasthale

Managing Director
Eximious Ventures Pvt. Ltd., Thane

Mr. Charuchandra Dewasthale has done Mechanical Engineering and has worked with industry leader Thermax. Presently he is Director (Sales and Marketing) with Eximious Ventures Pvt. Ltd., which solves the water related issues and problems in the entire HVAC circuits, condenser-evaporator-AHU.

He has a knack of looking at the problems differently which resulted in the gamut of products to solve the specific problems of maintenance fraternity. He has two patents on his name and three are under the review.

He is environmentally conscious and He has saved more than 27 Lac liters of industrial oil from being discarded. On social front he promotes 'Zero Waste' premises- buildings and homes.

► **Tuesday 7th January, 2025** From 3.00 P.M. onwards
► **At HOTEL SAMRRAT, Near Dabholkar Corner, C. B. S., Kolhapur.**
Tea & Breakfast Registration Charges : Free for All

Mr. Jahid Sanadi Programme Chair 9422423090	Dr. Shivling M. Pise Refrigeration Chair 9423041428	Mr. Dilip Kirpekar Marketing Chair 9420633721	Mr. Uday Kulkarni Membership Chair 9422400712	Mr. Indrajit Lad Training Chair 9850951103
Mr. Vijay Patil Treasurer, Kolhapur Chapter 9270012522	Mr. Yogesh Gandhi Secretary, Kolhapur Chapter 9860858581	Mr. Aves Husainy President Elect., Kolhapur Chapter 8007005860	Mr. Pramod Pungaonkar President, Kolhapur Chapter 9422582626	

Supporting Organizations



REFRIGERATION AND AIR-CONDITIONING
SERVICING SECTOR SOCIETY (RASSS)



KOLHAPUR REFRIGERATION AND
AIR CONDITIONING ASSOCIATION, KOLHAPUR

OFFICE SECRETARY : MR. SHARAD GUDASKAR - MOB. 9421582626

Event: Technical Talk on Sustainable Water Management, Corrosion Guidebook & Chiller Basics

Date: 7th January 2025

Venue: Hotel Samrat, Kolhapur

Speakers:

1. **Mr. Namdev Patil**
 2. **Mr. Charuchandra Dewasthale**
-

Introduction

A technical talk focusing on critical aspects of water management, corrosion prevention, and chiller operation fundamentals was held at Hotel Samrat, Kolhapur, on 7th January 2025. The session was conducted by esteemed industry experts Mr. Namdev Patil and Mr. Charuchandra Dewasthale. The event aimed to enhance the understanding of sustainable practices, material durability, and efficient cooling systems among professionals and students.

Topics Covered

1. Sustainable Water Management (Presented by Mr. Namdev Patil)

- **Key Highlights:**
 - Overview of global water scarcity and the role of sustainable water use.
 - Importance of reducing water wastage in industrial processes.
 - Strategies for rainwater harvesting, recycling, and reuse.
 - Advanced technologies in water treatment, including membrane filtration and desalination.
 - Case studies of successful implementation of sustainable water systems in industries.
- **Takeaways:**
 - Participants gained insights into practical steps to adopt water-efficient technologies.
 - Understanding of regulatory frameworks and compliance requirements.

2. Corrosion Guidebook (Presented by Mr. Charuchandra Dewasthale)

- **Key Highlights:**
 - Fundamentals of corrosion science and types of corrosion.
 - Impact of corrosion on industrial infrastructure and economic costs.
 - Prevention techniques including cathodic protection, coating systems, and material selection.
 - Real-world examples of failures caused by poor corrosion management.
 - Introduction to corrosion monitoring tools and predictive maintenance techniques.
- **Takeaways:**
 - Participants understood the importance of proactive corrosion management.
 - Awareness of selecting appropriate materials and coatings for specific environments.

3. Chiller Basics (Presented by Mr. Charuchandra Dewasthale)

- **Key Highlights:**
 - Principles of refrigeration and the working mechanism of chillers.
 - Types of chillers: air-cooled and water-cooled systems.
 - Importance of maintaining optimal chiller performance for energy efficiency.
 - Common operational issues and troubleshooting methods.
 - Best practices in chiller maintenance and periodic inspections.
- **Takeaways:**
 - Enhanced understanding of the role of chillers in industrial and commercial applications.
 - Practical tips for reducing energy consumption and operational costs.

Audience Engagement

The session witnessed active participation from:

- Engineers and technical staff from various industries.
- Students pursuing degrees in engineering and environmental sciences.
- Facility managers and consultants.

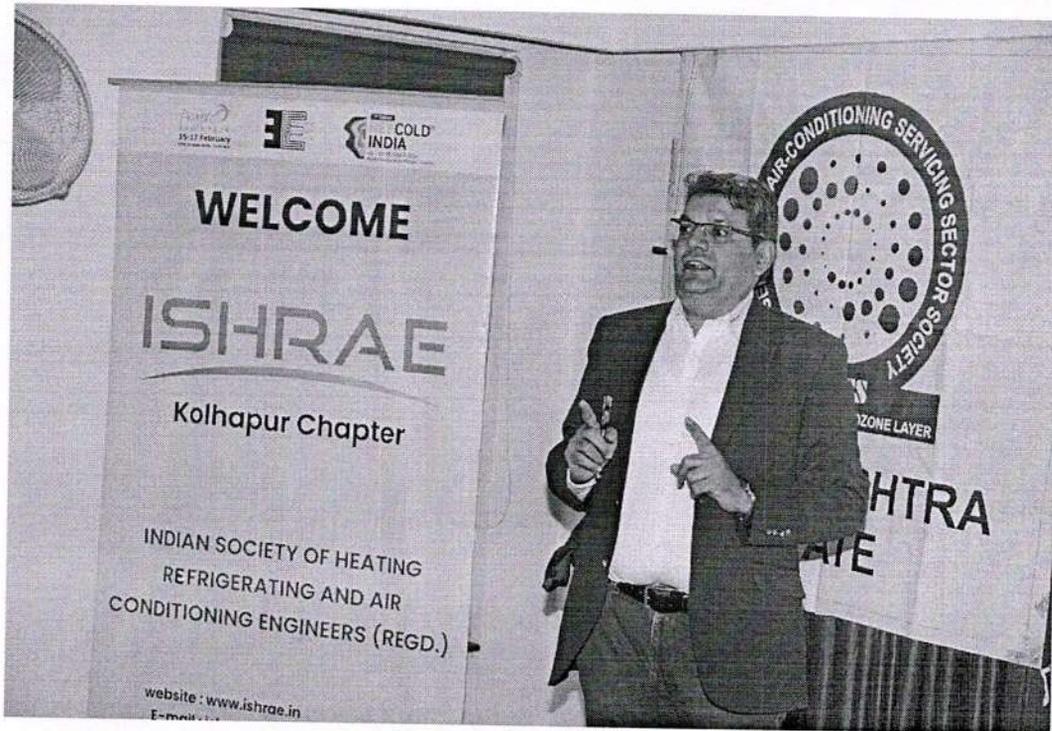
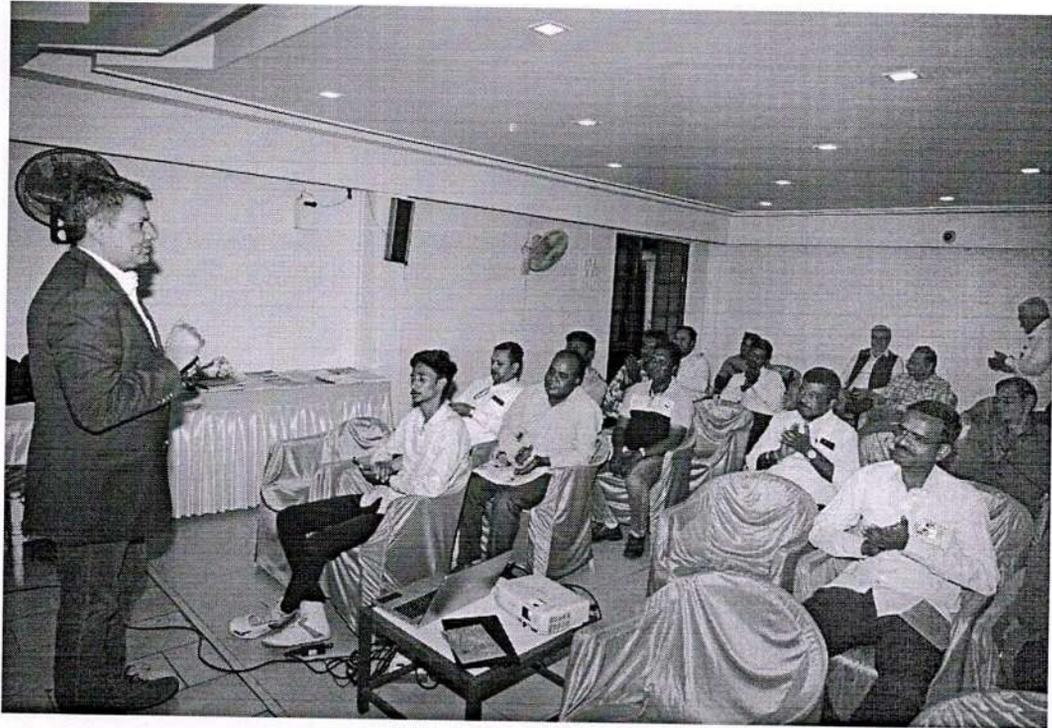
Attendees raised thought-provoking questions and shared their experiences, making the session highly interactive. The speakers addressed queries with real-world examples and actionable advice, enriching the learning experience.

Conclusion

The technical talk by Mr. Namdev Patil and Mr. Charuchandra Dewasthale was a resounding success, equipping participants with crucial knowledge and practical skills in water management, corrosion prevention, and chiller operations. The event underscored the significance of adopting sustainable practices, maintaining infrastructure integrity, and optimizing energy use.

The organizers expressed gratitude to the speakers and participants for their enthusiastic involvement and emphasized the need for continued dialogue on these vital topics.







Ref No. ISHRAE IKC/2025-26/05

Date: 07/01/2025

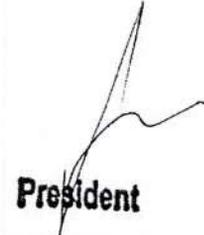
Subject: Certificate for attending ISHRAE Knowledge talk

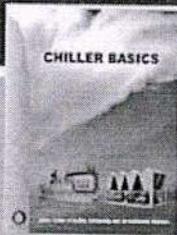
Following staff and students of Mechanical Engineering Department of Sharad Institute of Technology, College of Engineering, Yadrav attended **ISHRAE Knowledge talk** on "Sustainable Water Management, Corrosion guide book and chiller basics" at Hotel Samrat, Kolhapur on 07/01/2025.

Name of Staff and students attended,

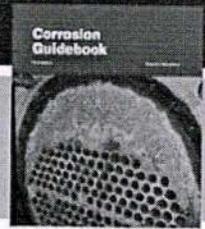
Sr. No.	Name	Designation
1	Mr. Avesahemad Husainy	Faculty
2	Mr. Amar Shinde	Student
3	Mr. Pruthviraj Khade	Student
4	Mr. Vedant Yalazare	Student




President
ISHRAE KOLHAPUR CHAPTER



REFRIGERATION CLUB SERIES



ISHRAE KNOWLEDGE TALK Sustainable Water Management, Corrosion Guidebook & Chiller Basics

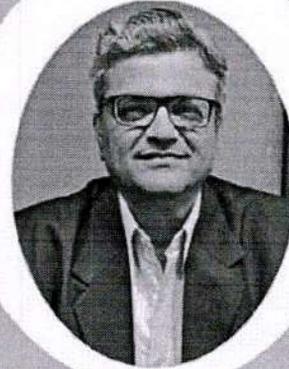


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Mr. Vijay Patil
Treasurer, Kolhapur Chapter
9270012522

Mr. Yogesh Gandhi
Secretary, Kolhapur Chapter
9860858581

Mr. Aves Husainy
President Elect., Kolhapur Chapter
8007005860

Mr. Pramod Pungaonkar
President, Kolhapur Chapter
9422582626

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REFRIGERATION AND AIR-CONDITIONING
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KOLHAPUR REFRIGERATION AND
AIR CONDITIONING ASSOCIATION, KOLHAPUR



SHARAD INSTITUTE OF TECHNOLOGY COLLEGE OF ENGINEERING

Department of Mechanical Engineering

Ozone Day

Poster Presentation

Mark Evaluation Sheet



ISHRAE

Sr No.	Name of participants	Mobile No.	Sign	
1	Milind Sagar Kognole, Chetan Chandrakant Patil	9579610833	<i>Milind</i>	<i>Chetan</i>
2	1.Nitin Vhanappa Muragi 2. Shrikrishna Eknath Sathe	7517756678	<i>Nitin</i>	<i>Shrikrishna</i>
3	Akshay Sunil ingale	9730978105		
4	Vedant potdar	7666751300	<i>Vedant</i>	<i>Potdar</i>
5	1.Vinayak Ganpati Bidrewadi 2.Ambaji Janardan Desai.	7483360485	<i>Vinayak</i>	<i>Ambaji</i>
6	Altaf Amin Shaikh, Swarup Satish Thorat	9657381925	<i>Altaf</i>	<i>Swarup</i>
7	Sumit Suresh Mangave	9715133513		
8	Yash Dnyanshewar Gadache , pranav pramod benade	8356065304	<i>Yash</i>	<i>Pranav</i>
9	Sanket Suhas Ghatage , Arpita kuintinath khadd	9645678416	<i>Sanket</i>	<i>Arpita</i>
10	Manik Dev Singh, Atharv Alagur	9149941766	<i>Manik</i>	<i>Atharv</i>
11	Akshay Dayanand Khandekar, Aniket Shivaji Chopade	9156406672	<i>Akshay</i>	<i>Aniket</i>
12	<u>Omkar bharat patil</u> , suraj sunil chirmute	9860226623		
13	Kshitije sanjay petkar	8421458029	<i>Kshitije</i>	
14	Amar Balaso Shinde	9028473582	<i>Amar</i>	
15	Abhijeet shrikant naik	8482819672		
16	Vighnesh shridhar titave, sudarshan jalindar jagtap	7972164570	<i>Vighnesh</i>	<i>Sudarshan</i>
17	Tejas Eknath Kothawale	7058075378		
18	Aasawari Sunil Mane, Swarupa Rajkumar Magdum	7219617886	<i>Aasawari</i>	<i>Swarupa</i>
19	Patil Komal Kiran Gouri Dattatray Yadav	8432964524	<i>Komal</i>	<i>Gouri</i>
20	<i>CSE</i> Akashkumar Sanjay Singh	9322880476	<i>Akash</i>	
21	Aditya Patil,Prajwal Pandhare	7620102340		
22	Harshwardhan prakash chavan, Nikhil manoj chougale	7385767352		
23	1.pratik saishkumar jadhav 2. Aniket shivaji tardale	9370707446		
24	Chinmay kore	9561585100		
25	Rajat Ramesh Madhale	9112214886		
26	<i>ECE</i> Alif Shabbir Shaikh	9823374261		
27	<i>CSE</i> Nitin Vijay Sargar	9209885178	<i>Nitin</i>	
28	<i>CSE</i> Subhan Mulla,Rauhan Patei <i>OMB</i>		<i>Subhan</i>	<i>Rauhan</i>
29	<i>civil</i> Atharv Dnyaneshwar Dabhole	7276440270		
30	Pankaj sanjay dabade, Tejas Yashwant Dudbarkar	9356226642		
31	Anuj Girgonda Patil	9922099405	<i>Anuj</i>	
32	<i>CSE</i> Parth Sambhaji Dange	8767183800		
33	Arman Haidarali Faniband , Aniradh Sachin Parit	8180825741		
34	Nilesh Arun Kore	9148955285		