



# **DON BOSCO INSTITUTE OF TECHNOLOGY**

Premier Automobiles Road, Kurla West, Mumbai - 400070

**ISHRAE**  
Thane Chapter

## **Department of Mechanical Engineering**

### **Report on - Seminar on Technical Advancement of field devices in HVAC Industry by Belimo Professionals.**

**Title: Technical Advancement of field devices in HVAC Industry by Belimo Professionals.**

**Date: 27<sup>th</sup> September, 2023**

**Time: 2:00 pm onwards**

**Venue: Seminar Hall , A Wing, 3<sup>rd</sup> floor, DBIT.**

**Target Audience: DBIT ISHRAE members.**

**No of Participants Present: 44**

**Resource Person: Prof. Clea Pereira**

**Organization of Recourse person: Don Bosco Institute of Technology.**

**Organizing committee: ISHRAE DBIT Student Chapter**

**Faculty Coordinator : Prof. Clea Pereira**

#### **Objectives:**

- ❖ To Enhance Practical Knowledge with hands-on exposure to real-world situations, enabling them to apply theoretical concepts in practical settings effectively.
- ❖ To help students observe and understand how different devices like actuators, dampers, sensors and meters work by the professionals itself.
- ❖ To ensure that participants understand the steps industries are taking to create healthier, more comfortable indoor environments that consumes lesser energy.

#### **Outcomes:**

- ❖ Enhanced confidence in their ability to work with HVAC systems in professional settings.
- ❖ Enhanced familiarity with various types of HVAC units.
- ❖ Increased ability to perform routine maintenance tasks effectively.



# DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

ISHRAE  
Thane Chapter

## Detailed Report:

ISHRAE DBIT members conducted a seminar on 27<sup>th</sup> September 2023 about Technical Advancement of field devices in HVAC Industry in which professionals from Belimo Industry were invited to guide us about some of the factors and devices which are used in the industry. This seminar was attended by all DBIT ISHRAE members.

The event was hosted by DBIT ISHRAE members Umera Shaikh and Vedika Mathews, They briefly introduced the guests to the members gathered. Prof Cleto Pereira (Faculty coordinator) and Mr. Vinay (Faculty DBIT) presented the guests with a small gift as a token of respect and appreciation. Mr. Prakash Lewis (Head General application consultant), Mr. Aniruddha Kapre (Product Manager), Mr. Vishal Jadhav (Product Manager) and Mr. Uttam Kamath (Product Manager) were the professionals from Belimo Industry who guided students about the advancement in HVAC Industry.

Mr. Uttam Kamath started the session by explaining students about the origin of ventilation system and fire protection system. He also showed the students a video demonstration of how the fire and smoke protection system works. After that Mr. Vishal Jadhav shared some insights about the sensing and metering innovations happening in the industries also told us about the different types of sensors like humidity sensors, temperature sensors, air quality sensors, pressure sensors, flow rate sensors also showed us those sensors physically.

He continued by explaining the components in the sensors and why they are necessary for better understanding of students. He also stated some advances Belimo industry has made while the designing of sensors.

Then Mr. Aniruddha Kapre explained us about the need of different sensors for different wall attachments of the workplace. He then showed students some sensors with multiple attachments which are designed for ease of the operators. He also explained us about the 'Belimo Display App' and how it is using NFC technique for sensing and operating room operation units. He then asked Mr. Prakash Lewis to share some perception about the difference or evolution of the new global energy system with the older system. Coming towards the end of the seminar the Belimo Professionals called students for a detailed examination of the sensors, valves and answered queries of the students one on one. In the end guests were given appreciation letters by Sahil Jadhav (Secretary of ISHRAE DBIT) and Omkar Ghole (K12 Chair of ISHRAE DBIT). The hosts thanked everybody present including guests, faculty and students. This seminar was a huge success due to the anticipation and teamwork of the students and ISHRAE members along with the guidance of the faculties.

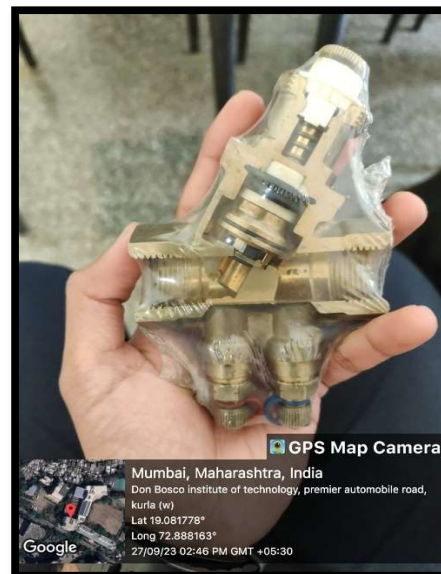


# DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

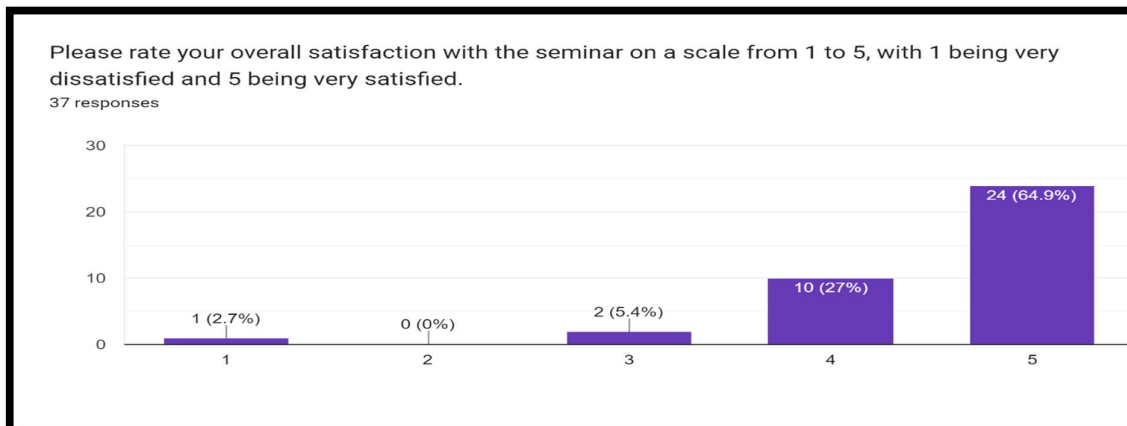
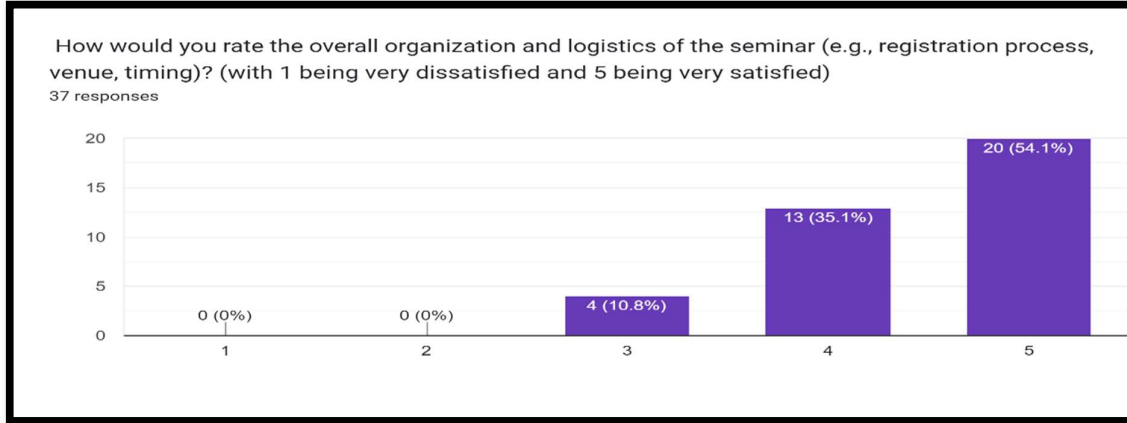
ISHRAE  
Thane Chapter

## Snapshot of the Event:





## Feedback Analysis:





# DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

ISHRAE  
Thane Chapter

## Event Poster:

**DON BOSCO INSTITUTE OF TECHNOLOGY** ISHRAE  
DEPARTMENT OF MECHANICAL ENGINEERING Thane Chapter

ISHRAE DBIT PRESENTS  
SEMINAR ON  
**"TECHNOLOGICAL  
ADVANCEMENT OF FIELD  
DEVICES IN HVAC INDUSTRY"**

BY BELIMO INDUSTRY PROFESSIONALS  
AND A ONE-DAY TRAINING PROGRAMME  
CAREER OPPORTUNITIES IN MECHANICAL  
ENGINEERING: SERIES II

FOR MORE  
INFORMATION  
AND TO  
REGISTER :

DATE September 27, 2023  
VENUE Seminar Hall, A wing, 3rd Floor  
TIME 2:00 PM Onwards

**DON BOSCO INSTITUTE OF TECHNOLOGY** ISHRAE  
DEPARTMENT OF MECHANICAL ENGINEERING Thane Chapter

ISHRAE DBIT  
**WELCOMES**  
YOU TO  
A SEMINAR ON  
TECHNOLOGICAL ADVANCEMENT  
OF FEILD DEVICES IN  
HVAC INDUSTRY

BY  
BELIMO INDUSTRY PROFESSIONALS

 Prakash Lewis HEAD REGIONAL APPLICATION CONSULTANT	 Aniruddha Kapre PRODUCT MANAGER	 Vishal Jadhav PRODUCT MANAGER	 Uttam Kamath PRODUCT MANAGER
---	--	--	---

27th September 2023  
2.00 PM onwards  
Seminar Hall, A-Wing, 3rd Floor

## Social media link:

<https://instagram.com/ishraedbit?igshid=MzRIODBiNWF1ZA==>

## Registration Details:

No of ISHRAE DBIT students: 44





# DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

ISHRAE  
Thane Chapter

## List of students attendees:

Sr. No.	Name
1	Yash khamkar
2	Parminder Singh Mudder
3	Shreyas Pramod Baraskar
4	Prajesh Dilip Jadhav
5	Harsh Hemant Panchal
6	Prasad Balram Das
7	Mohd Anas
8	Omkar Vinod Ghole
9	Atharva Shetty
10	Sahil S. Jadhav
11	Ajit Mishra
12	Simran Rajesh Ahiwale
13	Shardul Santosh Mahadik
14	Muqri Rehan Attar
15	Antony
16	Kodam Vilas Vithoba
17	Sujit Laxman Sahu
18	Ved Yemitkar
19	Kodam Vilas Vithoba
20	Kshirsagar ankit Virendra
21	Sankalp Satish Talekar
22	Ansari Mohd Ameen Abdul Aziz
23	Ansari Hamdaan Masood Ahmed
24	Karbhari Mohammed Ali
25	Truptesh Ramchandra Patil
26	Gitesh Vikas Nikumbh
27	Vedika Mathews
28	Prajapati Rahi Gopal
29	SOHAM SANJAY SATVILKAR
30	Avadhut Gajendra Kulkarni
31	Santosh uddhav puri
32	Umera Shaikh
33	Austin John Colaso
34	Pranav Nitin Bhatkar
35	Jaee Hindalekar
36	Sujay Khapane
37	Amogh Solanki
38	Dhruv Shetty



# DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

ISHRAE  
Thane Chapter

39	Aryan Salvi
40	Vishal Vinayak Basutkar
41	Esmail Usman Mukadam
42	Shehbaz Mukadam
43	Saeem Shabbir Kable
44	Nagori Hassan

**Report Prepared by:** Jaeel Hindalekar

**Name of the Student:** Jaeel Hindalekar

**Post of the Student:** Environment Chair

**Report approved by:** Prof Cleto Pereira

**Name of Faculty:** Prof Cleto Pereira

**Post of the Faculty:** Faculty Coordinator