



Dayananda Sagar University

School of Engineering
Department of Mechanical Engineering
Harohalli-562112

Brief Report of invited talk on Advances in Refrigeration and Air Conditioning Technology

As a part of ISHRAE Student Collegiate Club Activity-SOE-DSU, Invited talk on Advances in Refrigeration and Air Conditioning technology was organized by Department of Mechanical and Aerospace Engineering in association with ISHRAE student collegiate, Technical club, for students of 4th Semester Mechanical and Aerospace Engineering students and faculty members of DSU on 24/04/2024 in Class Room No 433. Dr. Vinayak B Hemadri, Chairperson, welcomed Dr. Srikanth narayanasamy, Technical Member of ASHRAE, ISHRAE in Evaporative cooling and Ventilation.

The Invited talk on Advances in Refrigeration and Air Conditioning Technology revolved around the latest advancements, research findings, and practical insights in the field of Refrigeration and Air conditioning systems. By presenting practical applications, the talk aimed at enhancing the knowledge and skills of attendees, empowering them to contribute to the continued advancement of Refrigeration and Air conditioning technology.

Distinguished speaker, Dr. Srikanth Narayanasamy is a highly accomplished profession with an impressive track record spanning over 35 years in the MEP and Energy Efficiency in BOSCH. His exceptional skills and extensive expertise have earned him distinguished recognition as an Awardee of GREAT PLACE TO WORK. Served as ASHRAE BOG Member during SY 2013, 2017 & 2021 and a Member of ISHRAE, ASHRAE, IPA since 2010. Currently he is a Technical Member of ASHRAE, ISHRAE in Evaporative cooling and Ventilation.

Distinguished speaker, Dr. Srikanth Narayanasamy has covered the following topics:

- Introduction to Refrigeration and Air conditioning Systems.
- Psychometric Chart with air properties
- Air Conditioning psychometric process
- Cooling effects and energy used by evaporative cooling
- 3 Stage evaporative air handling units.

Feedback from students were overwhelmingly positive, with many students expressing appreciation for the broad coverage of topics, practical insights provided, delving deeper into specific areas and job opportunities in the field of HVAC systems.

The Invited talk provided valuable insights and industry trends within the field of Refrigeration and Air conditioning. It exposed students to real-world applications and challenges, enhancing their understanding beyond theoretical knowledge gained in classrooms. Students gained practical knowledge about how theoretical concepts apply in real-world scenarios. This practical insight can enhance their problem-solving skills and prepare them for future careers. Engaging with invited talks fosters a culture of continuous learning and academic curiosity among students. It encourages them to attend similar events, participate in discussions, and stay informed about emerging developments in their field of study. 60 Students from 4th Semester Mechanical and Aerospace engineering attended the invited talk. Overall invited talk was very effective and interactive.



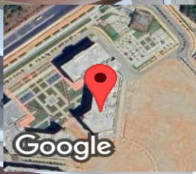
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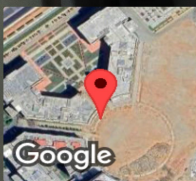
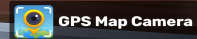
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The Chairperson, Mechanical Engineering delivered the vote of thanks and concluded the program. Glimpses of session photos are shared

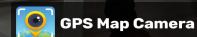
Photo Gallery



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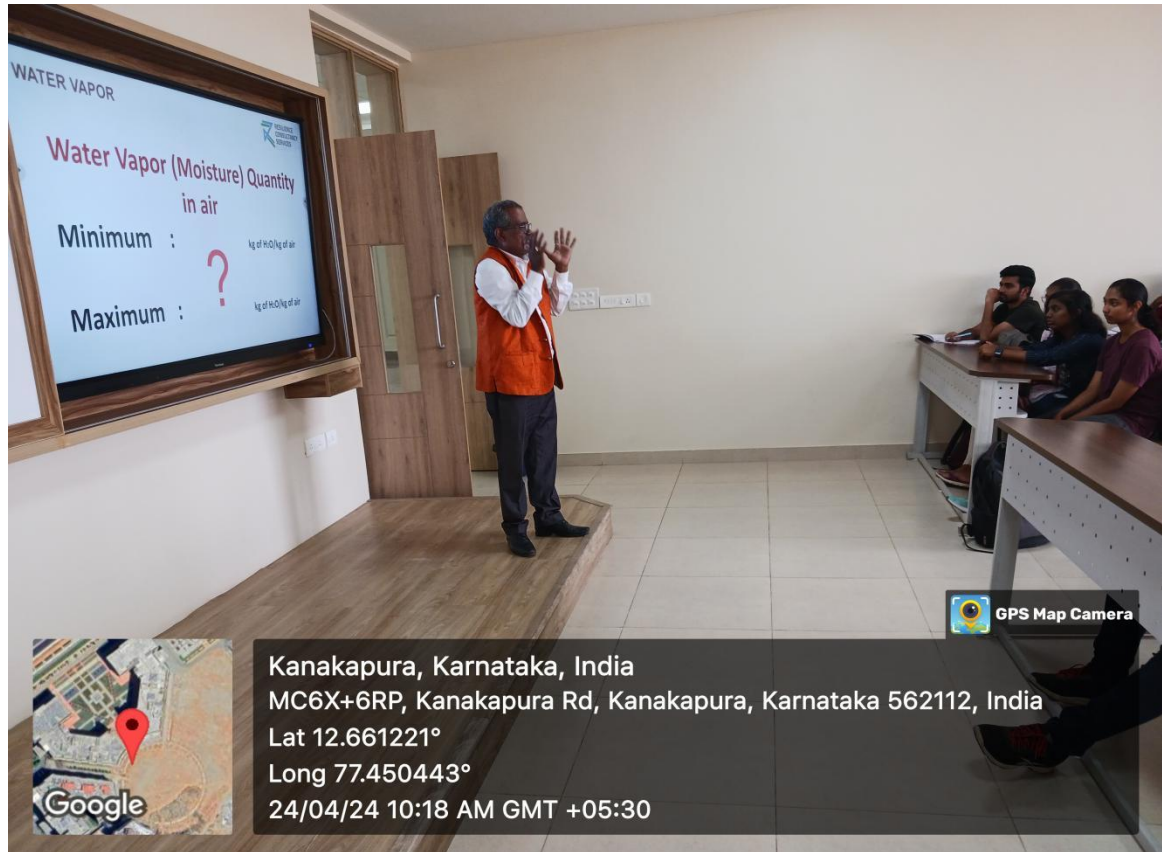




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