

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY**Vadapudupatti, Annanji (po), Theni – 625 531****Research Program on "Sustainable Refrigeration and Air conditioning - Research review "**

Title of the event : " Sustainable Refrigeration and Air conditioning - Research review "

Date of the event : 8.10.2022

Venue of the event : Sir C V Raman Auditorium

About the event : This research review examines sustainable solutions in refrigeration and air conditioning. Emphasizing alternative refrigerants, energy efficiency, solar power integration, thermal energy storage, life cycle assessments, smart controls, and circular economy practices, it aims to reshape the industry for a more environmentally friendly future.

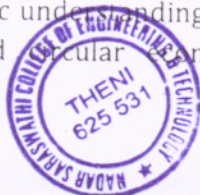
Guest Speaker Details : Dr G Praveen Kumar
Assistant Professor,
Co2 Research and Green Technologies Centre,
School Mechanical Engineering,
Vellore Institute of Technology.

Participants Details : 84 Participants

Organized by : Research cell

Overall Report of the Event :

The research review on sustainable refrigeration and air conditioning explores cutting-edge solutions to address environmental concerns in the industry. Investigating alternative refrigerants with lower global warming potential, enhancing energy efficiency through advanced technologies, and integrating renewable energy sources like solar power are pivotal areas of focus. Additionally, studies delve into thermal energy storage, life cycle assessments for a holistic understanding of environmental impacts, smart and adaptive controls for real-time optimization, and circular economy approaches for responsible end-of-life



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