



Workshop on

# FROM CARBON FOOTPRINT TO NET ZERO: MEASURING MANAGING, AND MONETIZING EMISSIONS

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Applied Sciences

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Manager  
Centre of Excellence  
for Sustainability

### **Organised by**

Chitkara University School  
of Maritime Studies in Collaboration with  
Centre of Excellence for Sustainability



20th December, 2025



2:00 PM onwards



Pulitzer Hall, Ground Floor  
Picasso Block



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

Event Name	From Carbon Footprint to Net Zero: Measuring Managing and Monetizing Emissions
Date	20 Dec 2025
Venue	Pulitzer Hall, Ground Floor, Picasso Block
Organizer	Chitkara University School of Maritime Studies in Collaboration with CUCES (Chitkara University Centre of Excellence for Sustainability)
Co-ordinators	Dr. Pooja Mahajan & Mr. Mohit
Number of Participants	82
SDGs Covered	4, 12, 13 & 17

### Objective

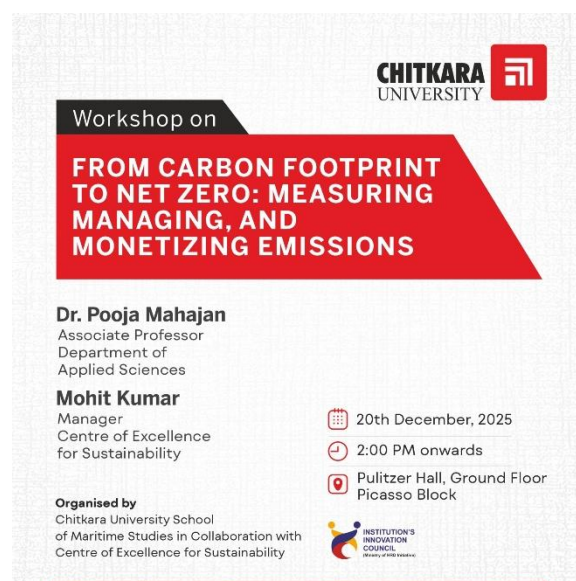
- To provide a foundational understanding of climate change and the Net Zero concept.
- To train participants in the methodologies of Carbon Footprint Calculation.
- To explore the financial mechanisms of sustainability, specifically Carbon Credits.
- To encourage institutional and individual accountability through practical challenges.

### Description of the Event

The workshop was organized by the Chitkara University School of Maritime Studies in collaboration with the Centre of Excellence for Sustainability, Chitkara University, on 20th December 2025 at Pulitzer Hall, Ground Floor, Picasso Block. The session commenced at 2:00 PM onwards and featured expert talks by Dr. Pooja Mahajan, Associate Professor, Department of Applied Sciences, and Mr. Mohit Kumar, Manager, Centre of Excellence for Sustainability. The workshop focused on providing a comprehensive overview of carbon emissions, beginning with the fundamentals of carbon footprint measurement and extending to practical approaches for managing and reducing emissions. Participants were also introduced to the concept of monetizing emissions through carbon credits and market-based mechanisms, highlighting how sustainability goals can align with economic and institutional growth. The session encouraged interactive learning and practical insights relevant to academia and industry.

### Session Facilitators

The workshop was led by a duo of subject matter experts, ensuring a balance between academic rigor and corporate application:



Dr. Pooja Mahajan (Associate Professor): Provided academic insights into environmental standards and the scientific necessity of emission tracking.

Mr. Mohit Kumar (Sustainability Manager): Shared industrial perspectives on managing corporate footprints and navigating the carbon credit market.

The session focused on the "Why." Facilitators discussed the global shift toward decarbonization and the specific roles that maritime and educational sectors play in meeting the Sustainable Development Goals (SDGs). Participants engaged in hands-on demonstrations using carbon calculation tools. This segment covered:

Identifying emission sources (Scope 1, 2, and 3).

Understanding Greenhouse Gas (GHG) protocols.

Data collection and conversion factors for institutional reporting.

Real-life scenarios were presented to illustrate how industries successfully reduce emissions while maintaining profitability. The concept of "Monetizing Emissions" was explored, teaching participants how carbon sequestration and reduction can be converted into tradable carbon credits.

### **Interactive Sustainability Challenges**

To ensure long-term impact, the workshop included:

The Green Pledge: A formal commitment by participants to adopt low-carbon lifestyles.

Sustainability Challenges: Group activities where participants brainstormed solutions for campus-wide emission reductions.

### **Outcome**

- Enhanced understanding of carbon footprint calculation and emission assessment techniques.
- Increased awareness of net-zero concepts and climate mitigation strategies.
- Exposure to emission management practices applicable to maritime, industrial, and institutional sectors.
- Introduction to carbon monetization, carbon markets, and sustainability-driven economic opportunities.
- Motivation among participants to adopt sustainable and climate-conscious practices.

Capacity Building: Participants left with a practical toolkit for measuring and managing carbon data.

Behavioral Shift: The interactive nature of the workshop prompted a shift from awareness to action, emphasizing the importance of informed decision-making.

Institutional Alignment: The event successfully aligned with Chitkara University's mission to integrate sustainability into its core educational framework.



## **Conclusion**

The workshop successfully delivered a holistic perspective on transitioning from carbon footprint assessment to achieving net-zero emissions. By integrating scientific principles with practical management and economic approaches, the session equipped participants with essential knowledge to address climate challenges effectively. The initiative reaffirmed Chitkara University's commitment to sustainability education, innovation, and responsible environmental stewardship, while inspiring participants to contribute actively toward a low-carbon and sustainable future.



