

Online Training Program

on

Carbon Accounting and Sustainability Reporting

April 15-27, 2024

Uttaranchal University,
Premnagar, Dehradun- 248007,
Uttarakhand, India

**Registrations
Open Now**

Uttaranchal University

The Uttaranchal University has been recognized by UGC under section 2(f) and 12 (B) of the UGC Act, 1956 and other statutory bodies of the State and the Nation. The University has been accredited with the prestigious “A+ Grade” by the National Assessment and Accreditation Council (NAAC). Uttaranchal University has become the first private University in the State of Uttarakhand to receive NAAC A+ Grade in the first cycle of Accreditation and this firmly positions us among the top 5% HEIs of the nation. The University community pursues its mission of service to the regional, national and international through quality teaching, research and innovation.

Center of Excellence for Energy and Eco-sustainability Research (CEER)

The Center of Excellence for Energy and Eco-sustainability Research” (CEER) is conducting research, PG programmes, skilled based certificate, training programmes consultancies in the areas of Clean/renewable energy, Carbon footprinting, green & sustainable buildings and energy efficiency. Center focuses on innovative, trans-disciplinary and society/industry required programmes with a focus on emerging technologies.

Green Loop Clean Technologies

GreenLoop CleanTech is a U.S. based company offers innovative and multi-disciplinary solutions in various sectors like Manufacturing, Agro-based Industries, Biofuels, Fashion and Textiles, Buildings and Cities, and Waste Management.

Businesses, being the critical players in the net zero transition, are called upon to tackle their greenhouse gas emissions, act on sustainability and decarbonization pathways to attain carbon reduction commitments. GreenLoop cleantech offers services and solutions to reduce greenhouse gas emissions, reach net zero targets and achieve circularity through clean technology solutions.

Background

Most of that energy is derived from burning fossil fuels, which release greenhouse gases (GHGs), such as carbon dioxide (CO₂), into the atmosphere. Current consumption of fossil fuels releases more than 25 billion tons of CO₂ into the atmosphere every year. As an answer to the need of reducing greenhouse gas emissions, organizations are increasingly making efforts to account for their carbon footprint. Further, assessing carbon emissions accurately at the organization level has become one of the most important aspects in reducing emissions and their impact as well as in reporting sustainable business practices. This program aimed at assisting organizations and individuals, such as research scholars, academics and building industry professionals to understand and perform carbon footprint assessment at the institutional level.

Program Objectives

1. Fundamentals of Carbon Accounting and Greenhouse Gases:

- Understanding the basics of carbon accounting and greenhouse gases, covering Scope 1, 2, and 3 calculations.

2.Data Requirements Identification:

- Providing practical knowledge to identify the necessary data for carbon accounting, ensuring comprehensive coverage.

3. Organization Boundary and Inclusion/Exclusion Criteria:

- Describing the organization boundary and criteria for inclusion/exclusion in carbon accounting, offering clarity on scope and coverage.

4. Data Processing and Calculation Skills:

- Equipping participants with the skills for efficient data processing and calculation, enabling them to report the total carbon footprint of an organization accurately



Course Content

S.No	Session	Duration	Content
1	Introduction to Frameworks	2 hours	Overview of GRI framework, WRI, and ISO standards. Introduction to carbon accounting principles.
2	Data Processing & Calculation Techniques	4 hours	Understanding data processing and inventory management. Practical application.
3	Scope 1 Emission Calculation	5 hours	Identification of Scope 1 emission sources. Hands-on exercises for accurate calculations.
4	Scope 2 Emission Calculation	5 hours	Overview of Scope 2 emissions and sources. Practical exercises for precise Scope 2 calculations.
5	Scope 3 Emission Calculation	7 hours	In-depth exploration of Scope 3 emissions and categories. Practical case studies for accurate Scope 3 calculations.
6	Materiality and Relevance	4 hours	Understanding materiality in carbon accounting. Decision-making on data inclusion/exclusion based on materiality.
7	Embodied Energy	3 hours	Discussion on embodied energy in renewable technologies and their limitations.
8	Projects	6 hours	Case study based on real industry data. Annual workbook preparation for practical application.
	Total Duration	36 hours	

Toolkits - PPT, Excel, US EPA, and India GHG Program tools, GHG Guidance, and research articles

Post-Training Benefits

Participants, upon completing the 36-hour training, will gain the ability to:

- **Accurately calculate Scope 1, 2, and 3 emissions.**
- **Effectively disclose their organization's carbon footprint.**
- **Apply practical data processing and calculation techniques.**
- **Manage annual workbooks and data effectively.**
- **Make informed decisions on data inclusion/exclusion based on relevance and materiality.**



Evaluation

Assessment includes practical exercises and real-world carbon accounting scenarios.



Target Group

Students, Faculty members, Professionals in energy, environmental sustainability, business, and finance seeking expertise in carbon accounting and GHG reporting.



Certification

Successful participants receive recognition for proficiency in carbon accounting.

Resource Persons

Prof. Dharam Buddhi

Vice Chancellor, Uttaranchal University,
Dehradun, India

Dr. Rubina Chaudhary

Professor, School of Energy
and Environmental Studies,
DAVV Indore, India

Dr. Rachana Malviya

Founder | Greenloop Cleantech,
Tennessee, USA

Dr. Rimika Madan Kapoor

Co-Founder & Principal Innovator
Greenloop Cleantech, Tennessee, USA

Mr. Shashi Prakash

Head, Regulation, Policy and Certification at
Masdar, Abu Dhabi Emirate

Mr. Nikunj Agarwal

Managing Director, One Carbon GmbH,
Munich, Germany

Mr. Ranjeet Sinha

Senior Manager, JBM Group, Gurugram, India

Dr. Richa Kothari

Professor, Dept. of Environmental Sciences,
Central University of Jammu, Jammu, India

Dr. Digvijay Singh

Assistant Professor, Center of Excellence for
Energy and Eco-sustainability Research,
Uttaranchal University, Dehradun, India

Chief Guest

(Inaugural Function)



Shri Alok Kumar, IAS

Former Power Secretary,
Govt. of India

Guest of Honor

(Validatory Function)



Mr. Hemant Nandanpawar

Senior Director, Climate Finance & Policy
Global Carbon Council, Qatar

Registration & Fees

Trainee Type

Cost in ₹

Student/Faculty

₹ 3,000/-

Industrial/Corporate individual

₹ 5,000/-

Corporate Group (5 Person)

₹ 20,000/-

Payment

Name of Account : Uttaranchal University
Bank Name : Bank of Baroda
Bank Branch : Premnagar Branch - Dehradun
Account Number : 85560100001768
IFSC Code : BARB0DBPREM (Fifth Character is Zero)
MICR Code : 248012018
SWIFT Code : BARBINBBDEH

Scan to Pay



Send your Registration at the Google Form Link:

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CLEAN TECHNOLOGIES

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