



**Organizer**

# GHG Accounting and Carbon Markets

**Monday 3rd to Friday 7th July 2023**  
**5 days - 10 hours - 7:00 pm to 9:00 pm IST**  
**E: info@iicsr.com | P: +91 798 211 2389**



**Dr Sapna A Narula**  
Professor & Dean of School  
of Management Studies  
Nalanda University



**Mr Alok Panigrahi**  
Senior Manager  
Climate Change and  
Sustainability - EY



**Mr Ashish Gupta**  
DGM (HSSE)  
Bharat Petroleum  
Corporation Limited (BPCL)



**Mr Himanshu Arora**  
Manager Sustainable  
development  
Indian Oil Corporation  
Limited (IOCL)

## Audience

- Chartered accountants
- Directors
- Head CSR and Sustainability
- ESG practitioners
- Consultants

## Outcome

- NetZero concept
- GHG accounting and protocol
- SCOPE 1,2,3 emissions
- Calculate GHG emission
- GHG Inventory management
- Carbon markets: carbon offsetting and neutrality
- Case studies: BPCL, ESB Electricals
- Understanding of ESG concepts

## Course details

GHG Emissions and Carbon markets play a vital role in measuring and curtailing carbon emissions. Climate change can only be monitored and controlled if both the concepts are understood well and implemented. Carbon Markets play a key role in building a harmony between environment and business growth. This course would enable you to understand the core concepts and application in business.

# **CONCEPT NOTE**

**GHG Emissions and Carbon markets play a vital role in measuring and curtailing carbon emissions. Climate change can only be monitored and controlled if both the concepts are understood well and implemented.**

**Greenhouse gas accounting is a way companies can measure how many overall emissions they are producing and emitting into the atmosphere. GHG accounting is useful for states, organizations, and various individuals such as potential investors or stakeholders to delineate how many emissions a company is responsible for through the use of carbon credits.**

**Carbon Markets play a key role in building a harmony between environment and business growth. This course would enable you to understand the core concepts and application in business.**



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# **OUTCOMES**

- NetZero concept
- GHG accounting and protocol
- SCOPE 1,2,3 emissions
- Calculate GHG emission
- GHG Inventory management
- Carbon markets: carbon offsetting and neutrality
- Case studies: BPCL, ESB Electricals



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# **AUDIENCE**

**Chartered accountants, Directors, Head CSR and  
Sustainability, ESG practitioners, Consultants**

# **FEES**

Online on Zoom: INR 8000+ Taxes

For Registration: <https://www.townscript.com/e/ghg-accounting-and-carbon-markets-403342>

## Group Bookings

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## Deliverables include:

- Examination fees,
- Course content
- Access to Learning management system (LMS),
- Certificate
- If preferred in person hospitality at the induction and certificate awarding ceremony
- Life long access to recorded course material



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# CONTENT TABLE

Time IST Zone	Day	Topic	Sub-topics to be covered
7:00 pm to 9:00 pm	Day 1  Prof. Sapna A. Narula Professor & Dean School of Management Studies Nalanda University	Introduction to GHG Accounting	<p>Paris Agreement</p> <p>UN Net Zero Target</p> <p>Overview of greenhouse gas emissions and their impact on climate change</p> <p>Introduction to GHG accounting and its importance</p> <p>Understanding the GHG Protocol and its key components</p> <p>Overview of the different types of GHG emissions and how they are calculated</p> <p>IPCC Framework</p>



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# CONTENT TABLE

Time IST Zone	Day	Topic	Sub-topics to be covered
7:00 pm to 9:00 pm	Day 2  Mr. Alok, Ernst & Young	GHG Accounting Standards and Protocol	<ul style="list-style-type: none"> <li>• Brief discussion on scope 1,2,3 emissions</li> <li>• Decoding GHG Emission calculation</li> <li>• Practical approach to calculate GHG emission</li> </ul>
7:00 pm to 9:00 pm	Day 3  Mr. Ashish Gupta General Manager, Bharat Petroleum	GHG Inventory Management/ Case Study of Bharat Petroleum	<ul style="list-style-type: none"> <li>• Best Practice of GHG Inventory Management</li> <li>• Introduction to GHG Management tools</li> <li>• Case discussion through BPCL Inventory</li> </ul>



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# CONTENT TABLE

Time IST Zone	Day	Topic	Sub-topics to be covered
7:00 pm to 9:00 pm	Day 4  Mr. Himanshu Arora, Indian Oil Corporation Ltd.	GHG Reporting Case Study from Indian Oil	<p>Overview of GHG reporting requirements (CDP, GRI)</p> <p>Overview of carbon offsetting and carbon neutrality strategies</p>
7:00 pm to 9:00 pm	Day 5  Mr. Ashish Gupta General Manager, Bharat Petroleum	Case Study And Practice	<ul style="list-style-type: none"> <li>• Case Study : ESB Electricals</li> <li>• Practice with tools introduced</li> <li>• Carbon Markets</li> </ul>



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## **DISTINGUISHED FACULTIES**



**Dr Sapna A Narula**

Prof Sapna A Narula currently serves Nalanda University (an Institution of National Importance under Ministry of External Affairs, India) where she is Professor & Dean of School of Management Studies. As a distinguished academician in sustainability, she has made immense contribution to the discipline of sustainability through her teaching, new programme development, research and consultancy efforts. She teaches a range of subjects such as sustainability management, sustainability reporting, corporate social responsibility, sustainable business strategy and business, ecosystems and community and her current research interests include exploring sustainability and CSR issues in Indian corporate landscape with a focus particularly on oil and gas, hotel, textile, mining and agribusiness and investigating the impact of climate change on agricultural supply chains and experimenting with strategies to reduce impact at the community level through technological, market and social interventions. Her research has won many accolades including Prosper.Net Scopus Young Scientist Award for Sustainable Development, 2011 delivered jointly by German Ministry, United Nations

University & Elsevier and a Young Scientist Award (2009) from Uttarakhand Council for Science and Technology, Government of Uttarakhand and Outstanding Paper Award in 2021. Her research has been published in leading international journals. Climate & Development, Journal of Cleaner Production, Journal of Sustainable Mining, Business Strategy and Development, CSR and Environmental Management, Small- scale forestry, Social Responsibility Journal and Environment, Development and Sustainability among many others.

She has consulted with various leading companies on the sustainability front and designed and delivered several management development programmes on various aspects of sustainability management. She has trained several batches of middle level and top management officials from leading organisations (ONGC, Hindustan Petroleum, Indian Oil, Pepsi, CRY, NTPC, PAP automotives to name a few) on sustainability measurement and reporting, Net Zero, GHG Management, Integrating ESG with Business and CSR. She is a trained resource person on Business and Ecosystem by World Business Council for Sustainable Development, Geneva. She has also been on jury of various sustainability awards sponsored by international institutes and industry associations.

She is the president of Global Network for Sustainable Development, Arizona and has worked with UNGCNI, Connecting Dreams Foundation, PRME. She has been empanelled on the board of faculty of IICSR as Professor of Eminence and advisor.

## **DISTINGUISHED FACULTIES**



**Mr Ashish Gupta**

A personable and result oriented MBA with over 35 years well rounded experience with BPCCL handling the marketing of lubricants, network development and operation of retail highway outlets, providing technical support and the management and maintenance of automated operational facilities of Depot and Installation. An Environment and safety professional handling Sustainability, SDGs, water, Waste, Co-processing and environment Initiatives. Possesses proven skills in customer relationship management and business development. A strong leader with the ability to build, train and motivate teams to increase effectiveness.

## **DISTINGUISHED FACULTIES**



Alok is a seasoned Sustainability Practitioner, Certified Implementer & Auditor of Carbon Footprints Management, BEE Certified Energy Manager, BOE (MH), and an Electrical Engineer with almost 12 years of diverse experience in the sustainability services and Energy sector.

Alok has a good grip over various ESG reporting frameworks and ratings like BRSR, GRI, TCFD, IR, UNSDG, UNPRI, DJSI, CDP, MSCI, Sustainlytics, GRESB. He has experience of driving Maturity & Materiality assessment, Stakeholder engagement, developing ESG strategy & roadmap and preparing sustainability report for clients from diverse sectors like Real estate, Metal & mining, Paper & Pulp, TMT, Finance, Oil & Gas, Hospitality, FMCG, Infrastructure, Power and other sectors.

He has in hand experience of Operation of 660 MW SuperCritical PF coal-based thermal units as Assistant Shift In-charge. Where he was involved in the regular operation activities as well as de-bottlenecking, troubleshooting, and performance enhancement projects, planning & coordination between various functional groups both internal and external and streamlining of processes.

Alok has a proven track record in implementing cost-saving measures for achieving a substantial reduction in terms of raw materials, manpower, and machine utilization. As an auditor with experience of cross-functional and cross-location Technical &, Safety audits, Due diligence with a track record of Proficiency & streamlining systems with proven skills in enhancing operational effectiveness and meeting operational goals within the cost, time & quality parameters.

Alok is a certified INTERNAL AUDITOR for Integrated Management system, 5S- workplace management implementation champion and has skill set for safety transformation.

He is well recognized by colleagues as a pragmatic, result-oriented, hard-working, and motivated leader adept in conceptualizing and yielding best-in-class solutions. With a unique blend of consulting and corporate experience Alok has the best ability to think from a practical lens and deliver the best possible solutions to the client.

Alok has an urge to be a climate leader and drive changes at the grassroots level, helping MSME and other industries to set their sustainability journey alright. He is quite Enthusiast for continual skill up gradation and knowledge enhancement.

**Mr Alok Panigrahi**

## **DISTINGUISHED FACULTIES**



Himanshu Arora is Manager Sustainable development at Indian Oil Corporation (IOCL) for 10 years. He has also served companies such as Reliance Infrastructure and LNT Infotech for 3 years. He has completed Business Administration and Management from Harvard Business School, MBA in Business sustainability from TERI and Sustainable Energy Engineering Doctoral Program from Lund University. His specialties include ESG Disclosures, Net Zero Approach, Decarbonization Roadmap, Managing Sustainability Team, Sustainability Awareness Campaigns, Strategy Formulation, Policy Development, Sustainability Report, Management Information System, Waste Management, Waste to Energy Project.

**Mr Himanshu Arora**

# **ABOUT IICSR**

**IICSR Group was established in 2010 and has developed forte in education, biodiversity conservation, women empowerment projects. IICSR is accredited by the American Council of Training and Development (ACTD) and the MEPSC (A sector skills council under Ministry of Skills development and Entrepreneurship).**

**IICSR and Sustainability Knowledge Management Pvt Ltd is the leading capacity building, project advisory, implementation and research and development institute focussed on Responsible Business Leadership - CSR, Sustainability and ESG. We have trained more than 2000+ corporate executives mid and senior level management across the SAARC region.**

**Our Eco friendly campus in North Goa is surrounded by nature and biodiversity standing true on the concept of sustainable development. We have used all the eco friendly products for the infrastructure building from its conception thus ensuring a circular economy. We are affiliated with Management & Entrepreneurship and Professional Skills Council (MEPSC) (A sector skills council under Ministry of Skills development and Entrepreneurship) MEPSC is a Sector Skill Council.**

**Our campus is located amidst the Arabian Sea and Arambol Jungles - Western Ghats making it an iconic place for experiential learning on sustainable development.**

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## Contact Us

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