



Indian Institute of Management Sirmaur  
Himachal Pradesh

ONLINE MDP

# Sustainability Practices & Analytics

JUNE 16-17, 2023  
FRIDAY - SATURDAY

## Topics Covered

- NEED OF SUSTAINABILITY
- NETZERO TARGET AND COP27 AGENDA
- CLIMATE CHANGE
- SOURCES AND EFFECTS OF GREENHOUSE GAS EMISSIONS
- GREENHOUSE GAS MITIGATION OPPORTUNITIES
- STATISTICAL ANALYSIS & INSIGHTS FOR SUSTAINABILITY PRACTICES

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# Programme Description & Objectives

With the increase in buzz surrounding global warming, climate change and the negative impacts of these on the society and surrounding environment, it has become imperative for businesses to follow sustainability practices. To sustain long-term in business world, the industry needs to adapt climate-friendly practices. Only a concerted effort to follow sustainability practices can save mankind from the harmful effects of global warming, climate change caused to increased pollution levels and other sources. This online MDP aims to enlighten the participants about the causes and harmful effects of climate change, greenhouse gas emissions and the associated sustainability practices that will help to mitigate them. The participants shall be exposed to intensive discussions on real life case studies on the mentioned topics along with NetZero, learnings from and the path ahead after COP27. With the availability of large amount of data, data analysis and getting meaningful insights from the same have gained huge importance. The MDP will also expose the participants to the basics of data analysis using SPSS / R/ R-studio, statistical modelling and getting useful insights from the statistical models.



# Pedagogy

The sessions will be held online via zoom / Webex. The sessions will involve online lecturing, online discussions on the topics including case studies. The statistical analysis module will involve revision of relevant statistics basics, hands on training using SPSS/ R/ R-studio, analysis using relevant datasets. The datasets, R-code, relevant reading materials will be shared with the participants.

## Course Structure

- Inauguration & Introduction - 30 minutes
- Sources And Effects Of Greenhouse Gas Emissions -2 Hours
- Climate Change, NetZero Target And COP27 Agenda- 2 Hours
- Greenhouse Gas Mitigation Techniques & Opportunities -2 Hours
- Revision of Statistical Concepts – 1.5 Hours
- Statistical Modelling & Insights on Sustainability Practices (including usage of statistical tools) – 4.5 hours
- Valedictory Session- 30 Minutes

## Who should attend

This MDP of IIM Sirmaur aims for the Professional Development of Corporate professionals or Booming managers or Research Scholars about Green technological transition in industries in-depth.

## Programme duration, Important deadlines and Fees\*

Certification	Programme Duration	Programme Fee** (inclusive of GST)	Last date for Submission of Application
Management Development Programme	June 16-17, 2023	Online- Rs 15000	June 12, 2023
**Communication to be done only to selected candidates			



## Programme Director

Dr. Pradipta Patra has FPM (Fellow Programme in Management) from IIM Bangalore and MSc Mathematics from IIT Madras. Dr. Patra has taught (in the past) at reputed business schools such as Woxsen School of Business Hyderabad, IMI Bhubaneswar, IIM Sambalpur and Narsee Monjee Hyderabad. An expert in the Decision Sciences area he teaches courses like Probability, Statistics, Operations Research, Business Analytics, Data Analytics using R and Business Forecasting to name a few. He has published articles in peer-reviewed International Journals (ABDC indexed and high impact factor). He has conducted several MDPs (management development programmes) for reputed organizations. Dr Patra has more than 12 years work experience including 5 years experience in the software industry. He can be reached at [pradipta.patra@iimsirmaur.ac.in](mailto:pradipta.patra@iimsirmaur.ac.in)



## Resource person

Dr. Arpita Ghosh is a faculty in Environmental Management area at IIM Sirmaur. She has completed her PhD from IIT Delhi. Before she has completed M.Tech in Environmental Engineering from NIT Durgapur. She has several publications in internationally reputed journals with high impact factors and she has more than 500 research citations in the field of Environment & Sustainability. She has more than 5 years work experience. She is member of The Institution of Engineers (India). She can be reached at [arpita.ghosh@iimsirmaur.ac.in](mailto:arpita.ghosh@iimsirmaur.ac.in). Dr. Arpita will take the sessions in this MDP along with Dr. Patra.



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