

AI and Big Data for ESG Risk Assessment and Reporting

COURSE OVERVIEW

This strategic training course equips professionals with the skills to leverage artificial intelligence and big data analytics for effective Environmental, Social, and Governance (ESG) risk assessment and reporting. Participants will explore how to collect, process, and analyze large, diverse ESG datasets to identify material risks, uncover trends, and enhance transparency. The program covers AI-driven techniques for monitoring ESG metrics, automating compliance tasks, and generating data-backed sustainability reports aligned with global standards.

WHO SHOULD ATTEND?

This course is designed for sustainability professionals, ESG analysts, risk managers, data scientists, corporate strategists, and financial advisors seeking to leverage AI and big data for improved ESG performance measurement, disclosure, and compliance with evolving regulatory standards.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Apply AI tools for ESG data collection, processing, and analysis.
- Develop predictive models for ESG risk identification.
- Automate ESG reporting using machine learning techniques.
- Integrate big data sources for comprehensive ESG assessments.
- Align AI-driven insights with global reporting frameworks (GRI, SASB, TCFD).

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- AI-powered ESG analytics for real-time risk detection.
- Big data integration from satellite, IoT and alternative sources.
- Natural language processing for automated report generation.
- Predictive modeling of ESG performance trends.
- Regulatory compliance tools for evolving disclosure requirements.
- Case studies on AI applications in climate risk and social impact.
- Hands-on lab activities with leading ESG analytics platforms.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded