

Certified Renewable Energy Project Developer – Solar PV, Biogas & Wind

COURSE OVERVIEW

This course examines the end-to-end process of developing renewable energy projects, focusing on solar photovoltaic (PV), biogas, and wind power systems. It covers key areas such as resource assessment, project design, feasibility studies, financing models, regulatory compliance, and implementation strategies. Participants will gain practical knowledge of technical, financial, and environmental aspects of renewable energy development, and also equipped with the skills to plan, design, and manage renewable energy projects from concept to commissioning, and contribute effectively to sustainable energy transitions.

WHO SHOULD ATTEND?

This course is designed for energy professionals, project developers, engineers, environmental consultants, and investors involved in renewable energy projects. It is also ideal for government officials, policy advisors, and financial analysts working in the energy sector, as well as entrepreneurs and technical managers seeking to develop expertise in planning, financing, and executing solar PV, biogas, and wind energy projects.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Conduct feasibility and resource assessments for solar, biogas, and wind energy projects.
- Develop business models and financing strategies for sustainable energy investments.
- Navigate policy, regulatory, and permitting frameworks for renewable projects.
- Apply project management best practices to the implementation and monitoring of renewable energy systems.
- Evaluate project risks and design mitigation strategies for long-term success.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand:

- The fundamentals of solar PV, biogas, and wind energy technologies and their applications.
- How to conduct technical and financial feasibility studies for renewable energy projects.
- The project development process from planning, permitting, to regulatory compliance.
- Design principles and key components of solar PV, biogas plants, and wind power systems.
- Project financing, contract management, and risk mitigation strategies specific to renewable energy.
- Environmental impacts and sustainability considerations in project development.

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