

ESG FOR ENGINEERS: NAVIGATING SUSTAINABLE ENGINEERING PRACTICES

Overview:

Embrace sustainability and play a crucial role in shaping a responsible future. Our ESG for Engineers program is crafted to empower engineers with the knowledge and skills needed to integrate Environmental, Social, and Governance principles into their professional practices. Join us to lead the way in creating a positive impact through sustainable engineering.

Program ID : TG-ESG0102

Duration : 2 days

Time : 9 a.m. -5 p.m.

In-house training is available on request.



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Total Growth Solution



KEY MODULES



1. Understanding ESG Principles:

- ❖ Environmental Sustainability:
 - Explore practices for minimizing environmental impact in engineering projects.
- ❖ Social Responsibility:
 - Understand the importance of social responsibility in engineering, including community engagement and stakeholder relations.
- ❖ Governance Practices:
 - Learn about ethical governance practices and their significance in engineering projects.

2. Sustainable Design and Development:

- ❖ Green Building Practices:
 - Explore sustainable design principles for infrastructure and buildings.
- ❖ Renewable Energy Integration:
 - Understand how to incorporate renewable energy sources into engineering projects.

3. Life Cycle Assessment:

- ❖ Analyzing Environmental Impact:
 - Gain skills in conducting life cycle assessments to evaluate the environmental impact of engineering projects.
- ❖ Resource Efficiency:
 - Learn strategies for optimizing resource efficiency throughout a project's life cycle.

PROGRAM HIGHLIGHTS:

COURSE BENEFITS:

Understand and apply the core principles of Environmental, Social, and Governance practices in engineering.

Learn to integrate sustainability into engineering design and development.

Gain skills in conducting life cycle assessments, social impact assessments, and ensuring ethical governance.

Be equipped to promote responsible engineering practices that align with ESG criteria.

WHO SHOULD ATTEND:

Engineers in various disciplines seeking to enhance their knowledge of ESG principles.

Sustainability professionals looking to apply ESG practices in engineering projects.



4. Social Impact Assessment:

- ❖ Community Engagement:
 - Understand the importance of involving local communities in engineering projects.
- ❖ Stakeholder Inclusivity:
 - Explore strategies for inclusivity, ensuring diverse stakeholder perspectives are considered in project decision-making.
- ❖ Social Impact Metrics:
 - Learn how to measure and report the social impact of engineering initiatives.

5. Governance in Engineering Projects:

- ❖ Ethical Decision-Making:
 - Develop skills in making ethical decisions within engineering projects.
- ❖ Transparency and Accountability:
 - Understand the importance of transparency and accountability in project governance.
- ❖ Compliance and Legal Considerations:
 - Understand legal considerations and compliance requirements related to ESG in engineering projects, ensuring adherence to regulations.

Join our ESG for Engineers program and make a positive impact on the world through responsible engineering practices.