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AI and Data Analytics in PPP Project Evaluation

COURSE OVERVIEW

This course introduces the application of artificial intelligence and data analytics in evaluating Public-Private Partnership (PPP) projects. It explores how advanced analytical tools can improve project appraisal, risk assessment, financial modeling, and performance monitoring. Through practical exercises from energy, transport, and social infrastructural projects, the course bridges the gap between digital innovation and infrastructure finance. Participants in this field will be taught to leverage AI-driven insights and data-driven techniques to enhance decision-making, optimize value-for-money assessments, and increase transparency throughout the PPP lifecycle.

WHO SHOULD ATTEND?

Based on the blend of AI & Project Management, the course has been tailored for PPP unit managers, infrastructure financiers, project developers, and government procurement specialists seeking to modernize evaluation processes. The course equally benefits data scientists transitioning to infrastructure roles, consulting engineers adopting predictive analytics, and legal advisors working on tech-enabled contracts. Professionals in the field of project management involved in preparing or assessing PPP projects who needs to integrate data-driven insights into traditional appraisal frameworks can take this course.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Apply predictive analytics to traffic/revenue forecasting.
- Automate risk identification using NLP contract analysis.
- Optimize site selection with geospatial machine learning.
- Develop AI-enhanced feasibility study methodologies.
- Balance algorithmic insights with institutional knowledge.
- Audit AI tools for PPP evaluation compliance.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- How to train models on historical PPP performance data.
- When AI adds value versus traditional evaluation methods.
- Why certain data types improve demand prediction accuracy.
- How to visualize risks through interactive dashboards.
- What ethical considerations govern AI in public infrastructure.
- How to present data-driven recommendations to decision-makers.

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