

BETI - Built Environment Technology and Innovation Pro Course

Course Duration: 8 HRS

Course Code: BETI-103

Course Overview

The BETI - Built Environment Technology and Innovation Pro Course is designed to provide professionals in the construction and infrastructure sectors with in-depth knowledge of emerging technologies and innovative practices transforming the built environment. This course explores the application of digital tools, smart technologies, and innovative methodologies that enhance project efficiency, sustainability, and performance. Participants will gain hands-on insights into adopting modern solutions to address the evolving challenges in construction and infrastructure projects.

What You'll Learn?

- Role of technology and innovation in the built environment.
- Application of Building Information Modeling (BIM) and digital twins.
- Use of AI, IoT, and automation in construction projects.
- Sustainable construction technologies and green innovations.
- Smart infrastructure systems and future-ready project planning.
- Strategies for adopting and managing technology change in organizations.

Target Audience

- Construction project managers and engineers.
- Architects, designers, and urban planners.
- Technology and innovation managers in infrastructure.
- Contractors and consultants interested in smart technologies.
- Built environment professionals aiming to stay updated with future trends.

Pre-Requisites

- Basic understanding of construction and infrastructure processes.
- Awareness of project management principles.
- Prior exposure to technology adoption in construction is beneficial but not mandatory.

Course Content

Module 1: Introduction to Technology and Innovation in the Built Environment

Module 2: Building Information Modeling (BIM) and Digital Twins

Module 3: Artificial Intelligence, IoT, and Automation in Construction

Module 4: Innovative Materials and Sustainable Technologies

Module 5: Smart Infrastructure and Future Cities

Module 6: Technology Adoption and Change Management

Module 7: Case Studies on Innovation in the Built Environment

Module 8: Future Trends and Global Best Practices

