

How Digital Construction Work in Building / Infrastructure

INTRODUCTION

Duration: 1 Day

The “How Digital Construction Work in Building / Infrastructure” training provides a practical understanding of digital technologies and methodologies used in infrastructure construction. Participants learn about BIM, digital project management, visualization, IoT, GIS, cloud platforms, sustainability, and collaboration. The training equips individuals with skills to enhance project efficiency, data-driven decision-making, and successful implementation of infrastructure projects in the digital era.

SUGGESTED PREREQUISITES

- Basic understanding of the construction industry and infrastructure projects.
- Proficiency in digital tools and software used in construction and project management.
- Familiarity with construction documentation and drawings.
- Knowledge of project management principles and methodologies.
- Openness to embracing digital transformation in construction practices.

COURSE OUTLINE

- 3D Model: Develop and enhance a detailed 3D model of the project.
- Visualization & Simulation: Create visual representations and simulations using the 3D model.
- Internet of Things (IoT): Incorporate IoT technologies for data collection and analysis.
- Digital Project Management: Implement digital tools and methodologies for streamlined project management.
- GIS: Integrate GIS technology for spatial analysis and decision-making.
- Cloud-Based Platforms: Utilize cloud-based platforms for efficient data storage and collaboration.
- Sustainability: Implement sustainable practices to minimize environmental impact.
- Integration and Collaboration: Ensure seamless integration and foster collaboration among project stakeholders.



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