€TRAINING

Project Management and Architect Engineers

22 - 26 September 2024
Cairo (Egypt)

Project Management and Architect Engineers

Introduction:

This training program focuses on equipping participants with essential project management skills tailored for architectural engineering projects. Participants will learn effective strategies and methodologies to successfully plan, execute, and oversee architectural projects from inception to completion.

Program Objectives:

By the end of this program, participants will be able to:

- Understand the principles of project management specific to architectural engineering.

- Gain proficiency in project planning, scheduling, and budgeting.

- Learn effective communication and collaboration techniques in project teams.

- Develop skills in risk management and quality assurance for architectural projects.

- Apply project management tools and software for efficient project execution.

Target Audience:

- Architect engineers and project managers.

- Construction and building professionals involved in architectural projects.

- Engineering consultants and design professionals.

Program Outline:

Unit 1:

Introduction to Project Management in Architectural Engineering:

- Overview of Project Management Principles.

- Role of Project Management in Architectural Engineering.

- Project Lifecycle Phases: Initiation, Planning, Execution, Monitoring, and Closure.

- Integration of Design and Construction Processes.

- Regulatory Requirements and Building Codes.

Unit 2:

Project Planning and Scheduling:

- Scope Definition and Requirements Gathering.

- Work Breakdown Structure WBS Development.

- Critical Path Method CPM and Gantt Charts.

- Resource Allocation and Management.

- Project Budgeting and Cost Estimation.

Unit 3:

Communication and Collaboration:

- Effective Communication Strategies in Architectural Projects.

- Stakeholder Engagement and Management.

- Team Dynamics and Conflict Resolution.

- Virtual Collaboration Tools and Technologies.

- Documentation and Reporting Requirements.

Unit 4:

Risk Management and Quality Assurance:

- Identifying and Assessing Project Risks.

- Risk Mitigation Strategies in Architectural Engineering.

- Quality Control and Assurance Processes.

- Performance Measurement and Benchmarking.

- Continuous Improvement in Project Delivery.

Unit 5:

Tools and Software for Project Management:

- Project Management Software Overview Autodesk BIM 360, Primavera P6.

- Building Information Modeling BIM Applications in Project Management.

- Data Analytics and Visualization Tools.

- Technology Trends in Architectural Project Management.

- Case Studies on Successful Project Management Practices.