



Civil Engineering

**Leading Innovation in Engineering
Organizations**

Course Introduction

This course is designed to equip engineering leaders with the knowledge and skills to foster and manage innovation in their organizations. It covers strategies for creating an innovative culture, leading creative teams, and implementing effective innovation processes in engineering contexts.

Target Audience

- Engineering Managers
- Engineering Leaders

Learning Objectives

- Understand different types of innovation and their relevance to engineering
- Develop strategies for fostering a culture of innovation in engineering organizations
- Enhance leadership skills for managing innovative teams and processes
- Learn practical tools and methodologies for driving innovation in engineering
- Gain insights into measuring and sustaining innovation in engineering contexts

Course Outline

- DAY 01

Understanding Innovation in Engineering Contexts

- Types of innovation in engineering (incremental, radical, disruptive)
- Innovation ecosystems in engineering organizations
- Barriers to innovation in engineering
- Case study: Innovative engineering organizations

• Day 02

Strategies for Fostering Innovation

- Creating a culture of innovation in engineering
- Open innovation strategies for engineering organizations
- Managing the fuzzy front end of innovation
- Workshop: Designing an innovation strategy for your engineering organization

• Day 03

Innovation Leadership and Team Management

- Leadership styles that foster innovation
- Building and leading innovative engineering teams
- Managing creative conflict in innovation processes
- Role-playing exercise: Leading through innovation challenges

• Day 04

Innovation Processes and Tools

- Design thinking for engineering innovation
- Agile and lean methodologies in innovation
- Tools for idea generation and evaluation
- Group exercise: Applying innovation tools to an engineering challenge

• Day 05

Measuring and Sustaining Innovation

- Metrics for measuring innovation in engineering

- Creating sustainable innovation processes
- Future trends in engineering innovation
- Action planning: Developing an innovation leadership plan for your organization

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 11, 2025	May 15, 2025	5 days	4250.00 \$	KSA - Riyadh
Sept. 15, 2025	Sept. 19, 2025	5 days	4250.00 \$	UAE - Abu Dhabi
Nov. 3, 2025	Nov. 7, 2025	5 days	5950.00 \$	USA - Los Angeles