

# € TRAINING

Management Skills and Techniques for  
Engineers





# Management Skills and Techniques for Engineers

## Introduction:

This workshop is designed to empower engineers with essential management skills and techniques to excel in leadership roles. It focuses on bridging technical expertise with managerial proficiency, enabling participants to lead teams, manage projects, and drive organizational success.

## Workshop Objectives:

At the end of this workshop, participants will be able to:

- Understand core management principles tailored for engineers.
- Develop leadership and communication skills to guide technical teams.
- Apply effective project management techniques in engineering contexts.
- Learn strategies for decision-making and problem-solving in managerial roles.
- Build a framework for continuous improvement and team collaboration.

## Target Audience:

- Engineers transitioning into management or leadership roles.
- Project managers leading technical or engineering teams.
- Team leaders aiming to strengthen their management capabilities.
- Professionals overseeing engineering projects and operations.
- Engineers seeking to enhance their leadership and managerial skills.

## Workshop Outline:

### Unit 1:

#### Foundations of Management for Engineers:

- Explore the transition from technical expertise to managerial roles.
- Discuss key management principles relevant to engineering contexts.
- Understand the differences between leadership and management.

- Learn the importance of goal-setting and performance measurement.
- Identify the challenges engineers face in management and how to overcome them.

## Unit 2:

### Communication and Team Leadership:

- Develop effective communication skills for leading technical teams.
- Learn techniques for motivating and engaging team members.
- Explore methods for managing conflicts and fostering collaboration.
- Understand how to build trust and credibility as a leader.
- Review strategies for managing diverse engineering teams.

## Unit 3:

### Project Management and Decision-Making:

- Apply project management techniques to engineering projects.
- Explore tools for planning, tracking, and completing technical tasks.
- Learn decision-making strategies tailored to complex engineering scenarios.
- Develop skills for resource allocation and risk management.
- Establish a framework for delivering successful engineering projects.