



OFFICE OF CONSULTATION & TRAINING
College of Engineering and Petroleum

Kuwait University- College of Engineering & Petroleum - General Engineering – OCT

GE002- Ignite your Engineering Management Skills



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Course objectives

The objective of this Engineering Management course is to equip engineers with the knowledge, skills, and ethics needed to effectively lead and manage engineering projects, and teams. It aims to bridge the gap between technical expertise and managerial competence by introducing concepts and AI technology in project management, planning, decision-making, cost, quality control, and leadership.

Training course duration:

Five Days

Timing:

8 a.m. - 2 p.m. Daily

Course outline :

Day one topics:

Foundations of Engineering Management

- Understand the role and responsibilities of engineering managers.
- Differentiate between technical and managerial functions.
- Apply systems thinking in engineering projects.



Day two topics:

Project Management for Engineers

- Plan and schedule engineering projects effectively.
- Apply risk management techniques.
- Use project management tools.
- Apply the concept of AI and machine learning.

Day three topics:

Project Estimation

- Cost management.
- Estimate cost tools and techniques.
- Determine budget.
- Control project cost.

Day Four topics:

People & Team Management

- Build and manage high-performance engineering teams.
- Communicate effectively with technical and non-technical stakeholders.
- Resolve conflicts and manage organizational change.

Day Five topics:

Ethics

- Ethics in Engineering Projects.
- Principles and guidelines.
- Case studies.



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Instructor:

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