

### Course Overview:

This course provides a foundational understanding of commissioning and startup processes crucial in maintenance and engineering projects. Tailored for professionals overseeing or executing these phases, it covers planning, safety, and operational challenges. By focusing on best practices and real-world applications, the course helps ensure a smooth transition from project completion to full operational status.

### Course Objective:

- Understand the principles and phases of commissioning and startup
- Develop effective commissioning plans and allocate resources efficiently
- Apply safety protocols and risk assessments during critical phases
- Identify and resolve startup issues through troubleshooting techniques
- Ensure comprehensive documentation and operational readiness

### Course Outline:

1. Introduction to Commissioning and Startup
  - Commissioning basics
  - Roles and responsibilities
  - Stages of commissioning
2. Planning Commissioning Projects
  - Commissioning plans
  - Resource allocation
  - Timeline and scheduling
3. Safety in Commissioning and Startup
  - Safety protocols
  - Risk assessment
  - Emergency preparedness
4. Executing Commissioning Procedures
  - Pre-startup safety review
  - Operational testing
  - Performance verification
5. Startup and Initial Operation
  - Startup procedures
  - Initial operation challenges
  - Monitoring and control systems
6. Troubleshooting During Startup
  - Common startup issues
  - Troubleshooting techniques
  - Corrective actions
7. Documentation and Reporting
  - Commissioning reports
  - Documentation best practices
  - Record keeping
8. Post-Commissioning Activities
  - Performance assessment
  - Operational handover

### Training Language:

EN / AR

### Training Methodology:

The course combines various teaching methods, including instructor-led presentations, group discussions, case study analyses, and assessments through quizzes and a final exam to engage participants and ensure they understand and retain the material.

### Venue | Date | Fees

Riyadh | 26-10-2025 | 17,250 SAR

-Continuous improvement

### Who Should Attend:

-Maintenance technicians

-New engineers

-Project managers

-Technical staff involved in commissioning projects