

# Monitoring and Control

## Duration

5days 20Hours

## No. of Attendees

Max. 25 Attendees

## Language

Arabic , English

## Overview

By the end of this course the trainee will understand the analog and digital control systems and how to apply the conventional and advanced controllers in monitoring systems. They will also be skilled in using different types of controllers such as adaptive controller and robust controllers.

## Topics

- Analog control systems.
- Mathematical modeling of control systems.
- Discrete time control systems.
- Digital control systems.
- Stability criterion.
- Conventional controllers.
- Advanced controllers.
- Interface cards.
- Monitoring systems.
- Dispatching centers.
- ANN control technique.
- Fuzzy logic controller.
- Adaptive controller.
- Robust controllers.
- Optimization techniques.

