

Course Overview:

The course intends to provide excellent practice and theory of process control for the engineers and technicians involved in industry and municipal utilities. The fundamentals and basic theorems are presented in addition to exercises and case studies.

Course Objective:

The program aims providing the participants with a better understanding of the control process technology Elements, modes and testing of measurement technique, control mode implementation and valves functions will be explained Modern trends in digital measurements electronic and pneumatic features inherent in the control process are highlighted in the program

Course Outline:

- Introduction
- Modern trends of automatic control in industry
- Control systems and power processing
- Control hardware
- Control devices
- Motor drive systems
- Feedback control systems
- Transducers
- System aspects and classification
- Transfer function
- Disturbance in regulators
- Other types of digital control
- Adaptive control systems
- Pneumatic controls

Who Should Attend:

Maintenance, Mechanical Engineers and Supervisors and Technicians.

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation