



Electrical Measurement & Control Circuits

Date	Venues	(\$Fees	Book your seat
07 Apr -11 Apr 2024	Cairo	2900	Register Now

Course Overview:

- Rapid progress in power plants and utilities leads to a parallel needs in distributed control actions in different sites and environments.
- Advanced control systems have created the world's most advanced distribution automation suite, including designing, planning, management, and automatic feeder restoration.
- This course ranges from revision of power utilities needs for local and remote measurements and control for different sites, to the advanced robot manipulation and rapid action execution

Course Objective:

To describe the principles behind the basics of selection, construction and operation of process control equipment

Who Should Attend?

- Electrical and mechanical engineers and technicians

Course Outline:

- . INSTRUMENTATION EQUIPMENT
- . INTRODUCTION TO ELECTRICAL CIRCUITS
- . ELECTRICAL COMPONENTS, STANDARDS AND SYMBOLS
- . FUNCTIONS OF INDUSTRIAL SWITCHGEAR
- . FLOW MEASUREMENT
- . LEVEL MEASUREMENT
- . TEMPERATURE MEASUREMENT
- . CONTROL
- - Introduction
- - Basic control principles
- - On/off control
- - Basic proportional control
- - Reset of integral action
- - Rate or derivative action
- - Multiple control modes
- - Typical negative feedback control schemes

Training Methodology:

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

- Simulation



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