



United Engineering Services

Electrical Consultancy, Technical Training, Process Instrumentation, Project Management, Energy Audit, Maintenance Management System

In view of the increasing pace of change, United Engineering Services brings you learning Programs for Improvement of Technical Skills. Individuals who endeavor to improve themselves must attend the events. United Engineering Services, made possible through Learning Bites.



The distinguishing features of Learning Bites are:-

- They are designed to be an easy and learnable material.
- They are highly pocket friendly opportunity, and above all,
- They are digestible, accessible, and affordable.



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Pakistan Engineering Council
 Continuing Professional Development (CPD)
 Approved Training Program

Instrumentation, Control and Automation for Industry

Wednesday and Thursday 19th-20th September 2018

Karachi

CPD Point "1"

Objectives:

- Instrumentation is very important for all type of industries. Subject will covers all disciplines of engineering Chemical, Electrical, Electronics, etc.
- The aim is to give awareness of process instrumentation technique, Trouble shooting, Automation, and Design modification for improvement of Industries.

Who Should Attend?

Senior, middle engineer and all those who are responsible for maintenance and operation of process instrumentation and automation.

Engineer from process industries such as fertilizer, cement and chemical plant etc. will be more benefited.

Workshop Fee:

Fee for program is

Rs. 19,500/- per participant which includes workshop material, certificates, and lunch.

Please send your nomination(s), along with the workshop fee, before September 18th, 2018 Payment should be made in favor of "United Engineering Services."

Timing:

09:30 a.m. to 04:30p.m.

Quality Management:

- Basic Quality Concepts, Classical and Modern Techniques
- Quality Control, Assurance, QMS ISO 9001 : 2015
- Occupational Health and Safety ISO 14004 : 2015
- Environmental Management System ISO 14001 : 2015
- Risk Assessment & Hazard Identification

Workshop Contents:

- Instrumentation and automatic control
- Element of process control system
- Process and instrument drawings
- Standard graphics symbols
- ISA instrumentation symbols
- Automation P+I+D controls
- Introduction to controller hardware
- Digital controller
- What is PLC
- Measurement
- Temperature measurement
- Pressure measurement
- Flow measurement
- Level measurement
- Calibration
- Measurement error
- Calibration definitions
- Calibration standard
- Valves
- Valves / design consideration
- Valves components
- Valves rating
- Types of valves
- Practical guideline for instrumentation installation and commissioning
- Grounding for electronic equipment

Early Bird Discount: **10%** per participant (Before September 17th 2018)

Multiple Nominations: Three or more nominations are entitled for a further discount **10%** per participant.