



PROCESS MEASUREMENT AND CONTROL APPRECIATION

COURSE DESCRIPTION

This five-day programme is to introduce participants to automatic control, flow measurement, process characteristics, controller tuning and an appreciation for distributed control system through a series of lectures and laboratory work.

COURSE OBJECTIVE

At the end of the course, participants will have a good understanding of automatic process measurement and control.

COURSE OUTLINE

- Theory
 - Basic Principles of Automatic Control
 - Terminology and Symbols
 - Final Control Element and Valve Positioner
 - Principles of Current to Pneumatic Converter
 - Flow Measurement
 - Temperature Measurement
 - Level Measurement
 - Pressure Measurement
 - Process Characteristics
 - Mode of Control
 - Controller Tuning
 - Distributed Control System Appreciation
- Practical
 - Pilot plant, current-to-pneumatic converter calibration, stripping & assembly of valves, valve positioner calibration
 - Experiments on flow, temperature level and pressure
 - Process characteristics, controller action - open loop
 - PID control response; optimum PID setting
 - Basic operation of a distributed control system

FOR WHOM

For technicians, technologists or engineers who want to learn the principles of process measurement and control.

PRE-REQUISITES

None.

COURSE LEADER

The course leader is a Yokogawa-certified trainer in process measurement and control appreciation.

CERTIFICATE

The Certificate of Participation would be awarded to participants who have achieved 75% attendance for the course.

COURSE INFORMATION

Course Code	:	CT3000
Day / Time	:	Monday - Friday (9.00 am to 5.00 pm)
Duration (hours)	:	40 hours
Venue	:	Chemical Process Technology Centre 81 Jurong Island Highway Singapore 627837
Closing Date for Registration	:	One week before the course date

COURSE ADMINISTRATION

Registration

For registration, please complete and return the attached Registration Form together with the appropriate payment by cheque made payable to "Petrofac Training Pte Ltd".

Enquiries

Telephone: 6880 2000 Telefax: 6896 7151

Course Fee Subsidy/Payroll Subsidy
Not Available Yet