
Industrial Process Control and tuning

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DURATION

3 Days

PARTICIPANTS

The target audience would include Control and Instrument Engineers, chemical engineers mechanical, electrical and, along with technicians with a strong theoretical interest.

YOU WILL LEARN

This course will cover the major areas of control system design and implementation for many industrial applications. Emphasized will be PID control design, but related methods such as lead/lag compensators will be examined as well as adaptive and optimal controls. In all cases, practical applications to temperature, pressure, level and flow control are of interest. Several case studies will be considered.

COURSE CONTENT

- Dynamic systems, transfer functions
- Open loop versus closed loop control
- Feedback control architecture
- PID Control
- PID control tuning
- Frequency response
- Lead/ lag compensators
- Cascade control
- Ratio control
- Feedforward control
- Adaptive Control
- Optimal Control
- Many case studies will be Presented.