Microprocessor Based Instrumentation
COURSE CONTENT

Aim

To provide the candidate with a working understanding of the principles of microprocessors and their application to process plant control systems.

Pre-requisite

Ideally suited to those personnel who require knowledge of the operation of microprocessor based controllers and will be involved in using such controllers on their return to the workplace.

Course Duration

The course will be of five day’s duration.

Optimum Number

The optimum number of persons on this course will be six.

Training Aids

Use will be made of lecture notes, audio-visual presentation.
COURSE SYLLABUS

Introduction to Microprocessor Based Controllers
- The Block Structure.
- Communications.
- Diagnostics and Reliability.
- Hardware Organisation.

Functional Description of Circuit Blocks
- Front Panel Display.
- Central Processing Unit.
- Memory.
- Input and Output.
- Power Supply Unit.

Software Function Blocks
- Types.
- Analogue Input.
- Analogue Output.
- Control.

Dates available on request

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