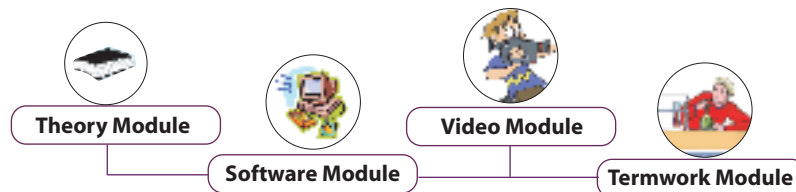


Computerized Distributed Process Control System



Introduces, Global e-Learning System in Education & Training in the form of Learning Resources with Computer Aided Instructions



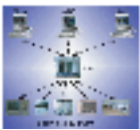
System Requirement:- IBM-PC Compatible with Window-OS, 128 MB RAM/Multimedia Kit

Theory module

Features : Theory, Figures, Photographs, Animations with controller, Highlighter tool, Note creation facility, Systematic page navigation, Access to numerical modules, Printing facility, Access to Videos at appropriate locations.

List of Topics

Distributed Control System



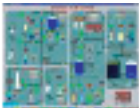
Reasons for instrumentation, Categories of Instruments, Analog vs Digital, Control Using Computers, Distributed Control Concepts, Process Control and Process Management, Overall Control Configuration, Hardware of a Distributed Control System, Process Units, Management Units, Data Communication,

Architecture of process control units

Types of process control units, DCS with single-loop controllers only, DCS with both single-loop and multi-loop controllers, structure of process control units, Single-loop controller, Multi-loop controller, Process I/O modules, Process input cards for analog input signals, Process output cards for analog output signals, Digital input processing, digital output processing, pulse input/output cards, redundancy aspects, Single and Multi-loop controller, Intrinsic safe operation of controllers, Interfacing other controllers to the distributed control system, analog controller, Digital controller.



Man - Machine Interface



The operator Station Structure, Functions of the Operator Station, Manual control, Command and setting, Display, Annunciation, Record,