

ABB UNIVERSITY - INDIA

T310 System 800xA Operation



The goal of this course is to learn how to operate and navigate in the Industrial IT Extended Automation System 800xA.



Student Profile This training is targeted to operators.



Course type and methods

This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab.



Prerequisites

Students shall know the fundamentals of working with Control Systems and have basic knowledge of Windows Server2012 R2 Standard and networking technologies.

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Course objectives

Upon completion of this course the participants will be able to:

- Explain the System 800xA architecture and the function of the different components
- Navigate in a standard Operator Workplace by using Aspect Objects technology
- Read and interpret information from different process displays
- Create operator notes
- Monitor and control standard process objects such as motors, valves and PID loops through faceplates
- Interpret information on interlocks
- Handle alarm and event lists
- Acknowledge alarms
- Describe the principles of historical data logging
- Operate trend displays and interpret the information
- Monitor and control sequences based on Sequence Function Charts
- View and print reports
- Log in as different users
- Use some basic system monitoring tools

Course Outline	
Day 1	Day 2
Course overview Introduction to System 800xA Operator Workplace Navigation Process control	Basic control objects Alarm and events Trending System monitoring

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- Main topic
- Course introduction
- Introduction to System 800xA
- Operator Workplace
- Navigation
- Process control
- Basic control objects
- Alarm and events
- Trending
- System monitoring



Duration The duration is 2 days