Rockwell DCS Training

COURSE CONTENT

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The Rockwell DCS (Distributed Control System) Training offered by Multisoft Systems is designed to equip participants with the skills necessary for managing complex and geographically distributed control systems.

Module 1: Introduction to DCS

- ✓ Overview of Distributed Control Systems
- ✓ Benefits of DCS in industrial automation
- ✓ Evolution of DCS technology

Module 2: Hardware Components

- ✓ Introduction to hardware components like controllers, I/O modules, communication interfaces, and operator stations
- ✓ Hardware architecture and redundancy

Module 3: Software

- ✓ Introduction to programming and configuration software
- ✓ Creating and editing control strategies
- ✓ HMI (Human-Machine Interface) development

Module 4: Communication and Networking

- ✓ Communication protocols used in DCS systems
- ✓ Networking basics for DCS
- ✓ Ethernet/IP and other communication standards

Module 5: Control Strategies

- ✓ Developing and configuring control logic
- ✓ Implementation of PID control
- ✓ Alarm management and event handling

Module 6: HMI Design

- ✓ Designing and creating operator interfaces
- ✓ Visualization best practices

✓ Alarm display and management

Module 7: System Configuration and Integration

✓ Setting up and configuring the DCS system
✓ Integration with other automation systems and devices
✓ Data acquisition and reporting

Module 8: Troubleshooting and Maintenance

✓ Identifying and resolving common issues
✓ Preventive maintenance practices
✓ Backup and recovery procedures

Module 9: Security and Cybersecurity

✓ Overview of cybersecurity considerations for DCS systems
✓ Best practices for securing DCS networks and devices