Au2mate Academy

BASIC INTRODUCTION TO ALLEN BRADLEY PLC/HMI – ROCKWELL AUTOMATION STUDIO 5000

COURSE NO. 13:
BASIC INTRODUCTION TO ALLEN BRADLEY PLC/HMI

PROGRAM - SHORT DESCRIPTION · DURATION: 3 DAYS - 08:30-16:00

Target audience

The course is targeting technical personnel/service personnel with responsibility for service and maintenance of PLC/HMI systems from Rockwell Automation/Allen Bradley, and who need a quick introduction to Rockwell Automation programming/service tools.

Prerequisites

Basic knowledge regarding automation technology and equipment.
User of Windows based PCs.

Short description

Basic introduction to Allen Bradley PLC/HMI equipment and related Rockwell Automation Studio 5000 programming tools. The course will focus on Allen Bradley CompactLogix PLCs and PanelView touch panels.

The course will cover topics such as:
- Introduction to Allen Bradley PLC & HMI equipment
- Introduction to Rockwell Automation Studio 5000 design environment
- Introduction to Rockwell Automation RSLogix programming for PLCs
- Introduction to Rockwell Automation FactoryTalk configuration for HMI panels
- Introduction to addressing of modules/equipment
- Configuration of hardware/connections
- RSLogix programming examples in LAD
- FactoryTalk (for HMI) configuration examples
- Programming of small PLC & HMI applications
- Download & test of configuration & applications
- Fault finding

Objectives

Upon completion of this course the attendant will have obtained:
- Basic understanding of Allen Bradley PLC/HMI equipment and programming tools
- Skills in diagnostics and fault finding in RSLogix programs
- Skills to download and test minor extensions in Allen Bradley PLC & HMI applications

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