Course Description

**Course Duration**
The duration is 3 days.

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

**Course Goal**
The goal of this course is to learn how to program PID controllers for the AC800 Series Controller in an Extended Automation System 800xA.

**Student Profile**
This training is targeted to Project and Service Engineers.

**Prerequisites and Recommendations**
Students should have knowledge and experience analogous to the T315 or T314 Course or programming and operation of AC800 and System 800xA.

Upon completion of this course, students will be able to:

- Understand the functions of a PID controller.
- Program a Simple and Advanced PID Controller.
- Understand and use special functions as GS and pPI.
- Maintain and Tune the PID parameters.

**Main Topics**
- PID Controller Functions
- Programming of Simple PID Controller
- Programming ControlBuilder
- Programming of Advanced PID Controller.
- Use of special functions - GS, FF and pPI
- Other PID controller types

**Optional Topics**
- Some Optional Topics can be taken on request.
DK131  System 800xA
AC800 Operator PID Programming and Operation.

Course Outline

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