

**Course Name** : PLC with SCADA

**Course Duration** : 40 Hrs.

**Course Overview** ○

**Intended audience**

- This course is suited for Automation, Instrumentation and Mechatronics Engineers.

○ **Prerequisites**

- Education: Diploma or B.E/B.Tech 2<sup>nd</sup> year completed in any one of following Streams.

□ Electrical, Electronics, Instrumentation, Mechanical, Mechatronics Eng.

- PLC Programming with HMI should be completed.

○ **Course objectives**

- After successfully completing this course, you should be able to:
- Understand Automation & System Overview, Engineering Software TIA Portal.
- Understand Different functionalities of SCADA
- Understanding of the Features of SCADA
- Communicate between PLC and SCADA Wincc.

○ **Course Contents**

- Automation Overview
- System Overview
- Introduction to SCADA
- Configuration Interface of Engineering System
- Basic Configuration
- Alarms Configuration
- Trends Configuration
- Screen Navigation
- Data Logging
- User Administration
- Recipe Management
- Project Creation and Basic Exercises



