



Advanced Process Automation

Overview:

This course is intended for students to learn the principals of process automation. Traditional process automation is much broader in its applications and integrations. It includes the use of machinery to perform tasks, software, data and storage systems, and integration activities.

Participant Profile:

Students from B.Tech Diploma and ITI background.

Content:

- Introduction about industrial automation
- Control system in Industry
- Logical functions done by relays and field devices
- Study and operation of Advance EduKit-PA System.
- Assembling different sensors to the system for accessing the data.
- Detailed study of different sensors and actuators associated with CWS.
- Measurement and Control of different parameters using Fluid Lab-PA
- Two step control technology.
- Closed loop continuous control with Fluid Lab-PA

Prerequisites:

- Knowledge on Digital Electronics
- Basic knowledge on Electrical
- Communication Skills

Time Durations:

- 30 Hours (3 Hour/ Day)

