

Department of Electronics and Instrumentation

KIET Group of Institutions, Ghaziabad

Summary Report

PLC Training is also designed to help delegates keep abreast of the latest PLC technologies and techniques available in this area, this tutorial offers an excellent opportunity for delegates to ask specific questions and exchange ideas relating to their own applications. The Programmable Logic Controller has evolved over the years and this course will provide the information required to make knowledgeable decisions about PLC applications in their individual manufacturing environments and allow for students to make well-informed decisions about existing control applications and to determine what is required for future applications. The **Department of Electronics and Instrumentation** organizes Summer School on “Process Control using PLCs and DCS”. This PLC training course will also allow students to determine if plant personnel are prepared to meet the new challenges of the ever-changing plant manufacturing environment or if personnel require additional training to meet these challenges.

COURSE OBJECTIVE

1. To understand the generic architecture and constituent components of a Programmable Logic Controller.
2. To develop a software program using modern engineering tools and technique for **PLC** and **SCADA**.
3. To apply knowledge gained about PLCs and SCADA systems to real-life industrial applications. PLC Training is designed to instruct control professionals on how to successfully integrate a PLC into actual day-to-day industrial electrical processes. It not only deals with the hardware and software, but all the surrounding systems that must be compatible to achieve a safe and reliable control system. This training is generic in nature and applies to all types and manufacturers.

COURSE OUTCOME

1. Students will be able to describe typical components of a Programmable Logic Controller.
2. Students will be able to explain the basic concepts of a Programmable Logic Controller.
3. Students will be able to state basic PLC terminology and their meanings.
4. Students will be able to explain and apply the concept of electrical ladder logic, its history, and its relationship to programmed PLC instruction.
5. Students will be able to explain the concept of basic digital electronics and data manipulation.
6. Students will be able to use timer, counter, and other intermediate programming functions.
7. Students will be able to design and program basic PLC circuits for entry-level PLC applications.
8. Students will be able to design and program a small, automated industrial production line.



HoD Sign

Summer School on “Process Control using PLCs and DCS”

S.No	Roll No.	Student Name	6/13/2016	6/14/2016	6/15/2016	6/16/2016	6/17/2016	6/20/2016	6/21/2016	6/22/2016	6/23/2016
1	1502932002	ABHISHEK AGGARWAL	P	P	P	P	P	P	P	P	P
2	1502932016	CHANDRAKANT ARYA	P	P	P	P	P	P	P	P	P
3	1502932017	DHARMENDRA SINGH	P	P	P	P	P	P	P	P	P
4	1502932019	HARSHIT KUMAR JAISWAL	P	P	P	P	P	P	P	P	P
5	1502932026	MANISH SINGH SOMVANSHI	P	P	P	P	P	P	P	P	P
6	1502932033	OJAS PRATAP SINGH	P	P	P	P	P	P	P	P	P
7	1502932035	PANKAJ SAROJ	P	P	P	P	P	P	P	P	P
8	1502932036	PARAG GARG	P	P	P	P	P	P	P	P	P
9	1502932043	RISHABH GUPTA	P	P	P	P	P	P	P	P	P
10	1502932058	VAISHALI SWANEJA	P	P	P	P	P	P	P	P	P
11	1502900114	VAISHALI	P	P	P	P	P	P	P	P	P

