



Program Structure

Program Name	Certificate Course in PLC Programmer
Proposed Program Duration	125 hours
Program Objectives	<ul style="list-style-type: none"> • Understand the Hardware parts of PLC. • Develop PLC programming skills. • Understand the working of industrial control components. • Use of PLC for implementing industrial control applications.
Target group of learners	<ul style="list-style-type: none"> • B.E./ B. Tech • Diploma (Electrical/Electronics/Instrumentation) • B.Sc in Electronics
Entrance Exam test format	<ul style="list-style-type: none"> • Time : 1 hour • No of Questions: 50 • Exam Type: Multiple Choice questions • Aptitude: 15 marks • Basics of Basic Electrical and Electronics, Digital Electronics : 20 marks • Logical thinking: 15 marks
Learning Outcomes	<p>After completing this programme, participants will be able to:</p> <p>Students will be able to,</p> <ul style="list-style-type: none"> • Describe components and explain the basic concepts of a PLC • Explain and apply the concept of ladder logic, and its relationship to PLC • Explain the concept of basic analog & digital electronics and data interpretation • Design and program basic PLC circuits • Design and program an automated industrial production line