



PLC Programming & Installation (Siemens S5)

SCOPE

In the automation solutions for process industries, small and ruggedised 'MICRO PLCs' are gradually replacing the older versions of PLCs. A typical example is the Siemens S5 range. This course aims at imparting knowledge and skill in programming of S5 PLCs as well as basic level troubleshooting.

COURSE OBJECTIVE

On completion of this course, a participant will be able to select, install, program and troubleshoot Siemens S5 range of PLCs.

TARGET PARTICIPANTS

Engineers/Supervisors and Operators involved in installation/maintenance of programme development using Siemens S5 PLCs

PRE REQUISITE

Diploma/Graduate engineers in Electrical/Electronics/Instrumentation.

DURATION 5 Full working days Timings: 1000 Hrs. to 1700 Hrs.

COURSE CONTENTS

- Introduction to PC
- Introduction to Programmable Logic Controllers.
- Binary Signal & Numbering System
- Element of Structured Programming & Introduction to Step 5
- Step 5 Operations – Logic Operations
- Timer and Counter functions
- Data Blocks & Function Block
- Number notations & Arithmetic Operations
- Analog I/O
- Troubleshooting with software utilities and OBs

NOTE: Practical exercises will be carried out on Siemens S5 PLCs.



FACULTY

The faculties / trainers for this course are well qualified and experienced Scientists from STQC and have domain specific expertise.

METHODOLOGY

- Course delivery: STQC courses are normally delivered in English. However, depending upon the need the courses are also delivered in Hindi or regional languages as desired. The STQC-courses are class room type and conducted at STQC Centres.
- Course Material: The delegates will receive a course book prepared by STQC during the commencement of course. In addition, for hands on practice set of tools and kits will also be demonstrated / provided as appropriate / applicable.

BENEFITS

Upon qualification of this course, participants will be able to perform more professionally.

FUTHER INFORMATION

For venue and dates of open advertised courses, please visit STQC website and contact course coordinator STQC Directorate, New Delhi.

Onsite and /or tailor made courses can also be offered on specific request.