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Course Details

SIMATIC S7

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**SIMATIC S7 SERVICE MAINTENANCE LEVEL 2
(ST-SERV2) 5 days**

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SIEMENS

Requirements

This course is designed for industry "first responders" to operations controlled with Siemens STEP 7 automated control systems. Participants not requiring programming skills, such as maintenance technicians, electricians, supervisors and others, who need an understanding of their Siemens control system to maximize line uptime, should attend this course.

This course also makes a great platform for those new to automation systems and industrial electronics. **PLEASE NOTE:** If PLC programming as a job skill is required, one may consider the S7 Programming L1.

Description / Objectives

The second component of the SIMATIC Service course is linked to the first basic course with regards to STEP7, human machine interfacing, drive components and PROFIBUS DP, and it expands this in the direction of troubleshooting. The course focuses on fault correction, software troubleshooting and program adaptations.

What you learn about the integrated factory automation will teach you to take a holistic view of your plant and to understand the relationship between the individual components. This will enable you on completion of the course to pinpoint faults and correct them systematically and quickly. This will increase the productivity of the machine since standstill times are thus reduced. You will be able to adapt your system to new conditions through small program changes and expansions.

Content

- Detecting and correcting basic hardware faults
- Possible applications of different block types (FC, FB, OB, DB)
- Principles of analog value processing
- Using STEP 7 software for troubleshooting
- Detecting and correcting software errors
- Connecting distribute IO with PROFIBUS DP
- Modifying the Touch Panel configuration
- Sequential Control System

Target Group

Technical/ Maintenance Engineer, Programmers, Project Manager/ Staffs

Contact Information

SIEMENS MALAYSIA SDN. BHD. (93008-X)

HRDF Training Provider ID: 13213/82

Digital Industries,
SITRAIN Training Room,
Level 15-1, CP Tower, No. 11, Jalan 16/11,
Pusat Dagang Seksyen 16,
46350 Petaling Jaya, Selangor.

Helpdesk: 1800 808 8888

E-mail: industry.my@siemens.com

e-Pass: https://siemens.asia/e-pass_v2/ASEAN/main/

Website: siemens.com.my/SIRT

Bank Details

Bank Name: Deutsche Bank (M) Bhd
Bank Account Number : 0020768000
Bank Address : 18th – 20th Floor, Menara IMC 8,
Jalan Sultan Ismail,
50250, Kuala Lumpur
Bank Swift Code : DEUTMYKLXXX

Daywise Schedule

Day	Time	Topics
Day 1	09:00 Hrs – 09:20 Hrs 09:20 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	SIMATIC S7 System Family overview Training Units and Addressing Hardware Commissioning Software Commissioning Practical on the above
Day 2	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Data Storage in Data Blocks Functions & Functions Blocks Organization Blocks Practical on the above
Day 3	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Analog processing and programming Practical on the above Troubleshooting Practical on the above
Day 4	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Diagnostics with Stacks (I, B, L) Practical on the above System Information Practical on the above
Day 5	09:00 Hrs – 11:00 Hrs 11:00 Hrs – 12:00 Hrs 12:00 Hrs – 12:30 Hrs	Tags in HMI Messages in HMI Feedback & Valedictory session

Break Timings:

10:00 Hrs – 10:15 Hrs	Morning Tea Break
12:00 Hrs – 13:00 Hrs	Lunch Break
15:00 Hrs – 15:15 Hrs	Afternoon Tea Break
17:00 Hrs – 17:15 Hrs	Recess & End of Day