

## SINAMICS V90 (DR-V90)

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### Objectives

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This course is designed for Engineers and maintenance technicians who are not exposed to digitally controlled AC drive technology and further needs to work with Siemens make AC Drive SINAMICS V90.

### Target Group

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Users, Commissioning / Sales/ Service /Maintenance Engineers of  
Instrumentation / Electrical / Electronics Engineering.

### Content

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VFD working principle and getting familiar with the drive  
Block diagram of AC Drive  
Specifications, range, features and hardware details of SINAMICS V90  
Block diagram of the product, terminal details  
Understanding of Operator panel functions, key operation  
Status LEDs on the drive  
Parameter structure and quick commissioning procedure  
Different control modes - speed control, Torque control, Position control  
Basics of Positioning  
Commissioning and monitoring the drive using software Sinamics V Assistant  
Controlling the drive with different control modes  
Internal Speed control, Internal position control (IPos)  
Pulse train input (PTI) -Using S7 1200 PLC  
Different positioning tasks, Using Motion control library in S7 1200 PLC  
Electronic gear ratio, Real time tuning  
Application examples, Fault diagnostics  
Hands-on practice

### Prerequisites

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Engineers in Electrical / Electronics Engineering

### Type

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Face-to-face training

### Duration

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3 days

### Language

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en

### Fee

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16,500 INR