

## SINAMICS V20 (DR-V20)

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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 V20.

### Target Group

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

### Content

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- Basics of AC Motor, speed variation of AC motors, reversal & braking
- VFD working principle, PWM technique and power switching devices
- Block diagram of AC Drive
- Specifications, range, features and hardware details of SINAMICS V20
- Getting familiar with the drive
- 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
- Working with Connection & Application Macros
- Details of various advanced Functions
- Using optional accessories - Parameter loader, External BOP interface, MMC card
- Concept of CDS, DDS
- Details on Free Function Blocks
- Firmware upgradation
- Communication capabilities with PLC (S7 1200) on Modbus & USS
- 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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### Fee

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16,500 INR