

Training Programme on Basic Industrial Drives (CU-DRV)

Objectives

Will have a basic or fundamental knowledge of DC/AC Variable speed drives
Know about the product specifications, range, hardware / constructional details and features of the product
Will be able to perform drive start up and parameterize drive

Target Group

Diploma / Degree students in Electrical / Electronics/ Instrumentation/
Electronics & Telecommunication/ Biomedical/ Mechanical/ Production & Mechatronics Engineering

Content

Brief Basic Power Electronics (including Thyristors, Power-Transistors & IGBTs)
DC Motor Basics (construction, principle of operation, T-N Characteristics etc.)
DC Drives Basics (Block diagram, 1Q-4Q principle of operation, T-N Curves etc.)
Selections, Calculations & applications of typical DC drives
Siemens DC Drives (6RA80) - Ratings, Specs, features, options & applications
AC Motor Basics (construction, principle of operation, T-N Characteristic etc.)
AC Drives Basics (Block diagram, 1Q-4Q principle of operation, T-N Curves etc.)
Selections, Calculations & applications of typical AC drives
AC Drives (Sinamics S & G)-Ratings, Specs, features, options & applications
MEDIUM VOLTAGE (MV Drives & Motors)
a) MV Motor types & Fundamentals (including starting methods, options/features)
b) MV Motor offers from Germany (separately for Induction & Synchronous Motor)
c) MV Converter Basics & types (Voltage, Current Source & Cyclo-converters)
d) Siemens MV Converters (Sinamics GM, Simovert-S and Perfect Harmony)
e) Selection, configuration & Applications of MV Drive systems
Short briefing on MV Transformers along with their options & protections

Prerequisites

Basics knowledge of Electrical & Electronics

Type

Face-to-face training

Duration

40 hours

Language

en

Fee

0 INR
Contact us or Email us to enquire about the fee structure