

# CONTROL SPEED FOR AC/DC

## OVERVIEW

This course is designed to provide the participants with a thorough understanding of AC and DC motor speed control. It will cover drive components as well as maintenance and troubleshooting procedures for various types of drives used in your area. The industrial world uses electric motors to move solids, liquids, and gases. These electric motors could be alternating current or direct current. The motors range from fractional horsepower to thousands of horsepower. For the motors to be effective there has to be a way to. The whole purpose of this course is to show how motor speeds are controlled.

## TARGET MARKET

- Technical instructors
- Charge man
- Wireman

## COURSE OUTLINE

- Principles of DC motors
- Control of DC motors
- Principles of AC motors
- Induction Motor Starters
- Speed Controller/Inverters or Variable Frequency Drives (VFD's)
- Voltage-Sourced Inverter Drives
- Synchronous Motor Drives
- Torque (Vector) Controlled Drives

## OBJECTIVES

This course enables participants to:

- Explain basic speed controller functions
- Identify the types of speed controllers and describe their operation
- Describe typical applications for DC motor speed control systems
- Define commonly used terms in DC motor control systems
- Describe how to control motor speed using a rheostat in the shunt field of a DC motor
- Explain how a rheostat in the armature of a DC motor can be used to control the motor's torque

**SBL CLAIMABLE**



If you have any enquiries, please contact:

+60 (3) 5621 3630 or email:

[info@comfori.com](mailto:info@comfori.com)