

ELECTRICAL MACHINES (OPERATIONAL, TROUBLESHOOTING & MAINTENANCE)



COURSE OVERVIEW

This course is designed to provide participants with the fundamental knowledge of different types of electrical machines used in various industrial applications. Participants would be exposed practically in DC and AC motors from the principle stage of operation to the control of speed for the motors. Construct, connect and perform troubleshooting procedures are the activities applied in this course.

COURSE OBJECTIVES

Upon completion of this course, participants will be able to :

- Explain the principles operation of different types of motors.
- Connect and operate DC and AC motors.
- Control the speed of DC and AC motors
- Perform troubleshooting, servicing and maintenance tasks of DC and AC motors.

THE UNIQUENESS OF THIS COURSE

- Introduction of motor principles using virtual simulation software for better understanding.
- Hands-on on construction and connection of various types electrical machines
- Comparison of characteristics and various types of machines with different load application.
- Industry-based training modules
- Industrial-experienced trainers

WHO SHOULD ATTEND

This course is designed for those related to the area of electrical machines and drive as well as in education line.

Target Group: Engineers, Technicians, Lecturers and Technical Teachers.

KEY TOPICS

- Introduction to Electrical Machines
- DC Motors
- AC Motors
- 3 Phase Induction Motors
- 3 Phase Squirrel Cage Motor
- Single Phase Motors
- Speed Control of DC and AC Motors
- Synchronous Motor Vs Alternator

METHODOLOGY

Lectures and practical exercises

COURSE DURATION

4 Days

PRE-REQUISITE

Electrical and Electronic Principles

CERTIFICATION

Certificate of attendance will be issued to those who fulfill 80% of attendance.

For further details, please contact:

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