



INTRODUCTION

A well designed electrical system is a vital element for proper working and efficient performance of an industrial automation system. These systems are most often equipped with switchgear such as push buttons, contactors, relays, analog / digital instruments, monitoring devices, controllers and other accessories to control and monitor electrical driven devices, part of the overall industrial automation system. In order to design and deploy an efficient industrial automation system, a thorough understanding of the various electrical system components is essential.

Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organizing an Online programme on "INDUSTRIAL ELECTRICAL SYSTEM - SWITCH GEARS, CIRCUITS AND SENSORS"

FOCUS AREAS

- Basics of Relays, Contactor, MCB, MCCB, etc.
- Working Details of Induction Motors
- Designing of Control Circuits Using Contactors, Relays, Timers, etc.
- DOL, Star Delta Starter Designing for 3 Phase Motors with Specification
- Motor Drives - AC Drives (VFD)
- Safety and Management Concepts of Designing a Project
- Connection of Digital and Analog Sensors to control Panel

KEY TAKE AWAYS

- Gain a macro level understanding of various industrial electrical systems
- Read electrical diagrams
- Selection of switchgear based on application
- Know about usage of servo for motion control in Industrial machines
- Acquire knowledge about different motor starters
- Understand VFD Drive Application areas
- Make sensor connections to controller
- Understand discrete and analog sensor difference

FEE PER PARTICIPANT (PER LOGIN)

Rs. 2000/-

+18% GST

**IMTMA Members/ Micro Companies/ Individuals/
Educational Institutions / Students/ IMTMA Non
Members/ Others**

USD 60/-

Overseas Participants

FACULTY

This Program will be conducted by **Mr. Anil Kumar Meti**

Mr. Meti is working with IMTMA as Executive officer - Training, taking care of Industrial automation training. He comes with 8 years of professional experience and prior to IMTMA worked in industries such as RR Steels and Hunet technology.

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