Manufacturing Technology Training
An IMTMA initiative

Hands-on training on Designing and Operating Electrical Control panels
Date : 11 to 13 February, 2025
Venue : IMTMA Technology Centre, Bengaluru

INTRODUCTION

An Electrical Control panel is an enclosure, typically a metal box or plastic moulding which contains important electrical components that control and monitor a number of electrical, mechanical processes. They are energised systems that require designing of power & control circuit then wiring as per drawing with important safety devices then planned preventative maintenance and condition-based monitoring using the most effective methods. Electrical personnel will need to gain access within control panels for fault devices finding, adjustments, and electrical safety testing. Operators will interact with the controls of the panel to operate and control the plant and process.

Components within the control panel will facilitate many tasks, they may monitor many electrical quantities within circuit and signal to open or close breakers. They are commonplace and integral to most industries. Problems with them, including neglect, can cause havoc to any business operation and endanger employees.

This training makes the safe operation of panels a desirable skill for both electrical and non-electrical workers as per industrial application.

To extend the benefits of experience and competency in Industry, Indian Machine Tool Manufacturers Association is organising a programme on "**Hands-on training on Designing and Operating Electrical Control panels"**.

FOCUS AREAS

- Reading, Designing of Control & Power circuits as per requirement.
- Introduction of Ele panel components including connections & functions of each.
- Learning of Colour coding , polarity, routing of wires, stripping & crimping of lugs.
- Trouble shooting of problems in power, control circuits & solving problems.
- Implementing machine & human safety at work places.

KEY TAKE AWAYS

After undergoing this training program, participants will be able to- Design, read, connect, troubleshoot, service, modify circuits as per customer requirement following safety.

PARTICIPATION FEE

Rs. 13750/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 550/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

FACULTY

This programme will be conducted by **Mr. PRABHAKARA**

An Electrical Engineer having more than 30 years of experience as a Trainer in the field of Electrical, Electronics, Instrumentation, THT & SMT process, PLC, Industrial Control, Electrical Installation, Facility Management Services, Designing & wiring of Electrical Control Panels for industrial applications.

Worked with various companies like NTTF Electronic Training Centre, Solectron Centum & Facility Management Companies.

Freelance Trainer & Consultant for NTTF, GTTC, KGTTI, Triveni Turbines ,Various Facility Management Companies & Certified JURY member at NSDC – India Skill competition at State & National Level.

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REGISTRATION : Prior registration for participation is necessary. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.
Important Information : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.