



NTTF TOUCH FOR A BETTER TOMORROW



# Industrial Automation

**Short term  
Training program  
on  
PROGRAMMABLE LOGIC CONTROLS (PLC)**

# About the Course

- **Today's world revolves around high technology & most companies are running by investing substantially in highly sophisticated Automated Plant . Most manufacturing companies are looking for competent engineers with basic aptitude towards automation and ability to work on varied brands of PLCs, Drives, MMI and SCADA. High level of technical training and skills are required to keep it going in operations & maintenance.**
- **This course is specially designed for persons who need to have the right knowledge of PLC applications , instructions, programming, trouble shooting and interfacing.**
- **This hi-tech course is designed to ignite and accelerate the knowledge and skill level of technicians in PLC controls.**
- **This course will increase the employment potential of an individual.**
- **Participants will be trained on the most Advanced PLC controls with Basics of Hydraulics and Pneumatics by experienced professionals for the easy transition into the Industries.**

# Course contents :

- **Introduction to Automation, Basics of Hydraulics & Pneumatics,**
- **History of PLC, difference between relay, contactor & PLC logic, PLC architecture.**
- **A detail description of different PLC modules & cards.**
- **Introducing the basic ladder logic. Inputs, outputs, contacts, coils, and PLC scan.**
- **All the PLC instructions such as NO/NC, Set, Reset, Timers, Counters, Comparison, Arithmetic, Logical & Move functions will be covered. Each instruction being illustrated by application specific program examples.**
- **Simulation of PLC program using different PLC software.**
- **Interfacing of the PLC with hardware Electronic modules.**
- **Interfacing of the PLC with Hydraulic, and pneumatic module.**
- **PLC's interface with hardware fault finding and probable causes**
- **Fundamentals of AC Drive, block diagram of AC drive, configuration of different drives. Control of drive with and without PLC.**

- Eligibility** : ITI (Machinist, Electrician, Electronics), Diploma (Mechanical, Mechatronics, Electrical & Electronics Engg.) Degree (Mechanical, Mechatronics, Production Engg. Electrical & Electronics Engg.)
- Duration** : 6 days Regular /8 days (week end program)
- Course Fee** : for 6 days Rs.5000/- + 12.24% Service Tax  
for 8 days Rs.6000/- + 12.24% Service Tax
- Mode of Payment:** Fees should be paid in full at the time of registration through DD in favour of NTTF payable at Bangalore
- Timings** : 9 am to 5 pm

For enquires & Registration, please contact

## **NTTF Electronics City Centre**

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