



Transforming knowledge into competence

Industrial Automation
Training Academy

Service Tax No. AAIFN8148ASD001

TRAINING COURSES

Following are the various training courses offered by NFI.

COURSE 1: INDUSTRIAL AUTOMATION

Module 1	Basic Industrial Controls: Types of switches/indicators, Basic circuits – series/parallel, Industrial Drawing, Motor control, Sensors, Relay logics control circuits.	1 Month (60 Hours)
Module 2	PLC : Introduction to PLC , Wiring, Programming- Logical commands, Arithmetic commands, Timers & counter, Hardware interfacing to PLC , Factory Automation Exercises on Automation Sandbox software- Factory IO	
Module 3	HMI: Introduction to HMI, wiring, Screen designing, Controlling & Monitoring, Interfacing HMI with PLC	
COURSE FEE (Inclusive service tax)		Rs.8000

COURSE 2: ADVANCE INDUSTRIAL AUTOMATION

Module 1:	Basic Industrial Controls: Types of switches/indicators, Basic circuits – series/parallel, Industrial Drawing, Motor control, Sensors, Relay logics control circuits.	2-3 Months (120 Hours)
Module 2:	PLC : Introduction to PLC , Wiring, Programming- Logical commands, Arithmetic commands, Timers & counter, Hardware interfacing to PLC , Factory Automation Exercises on Automation Sandbox software- Factory IO	
Module 3:	HMI: Introduction to HMI, wiring, Screen designing, Controlling & Monitoring, Interfacing HMI with PLC	
Module 4:	AC Drives: Introduction to VFD, Parameter programming of VFD, 2/3 wire control in VFD, Multistep speed control in VFD, Interfacing of VFD with PLC, PLC-VFD Modbus, HMI-VFD Modbus. Introduction to Stepper Motor, Wiring, Position control, Direction control.	
COURSE FEE (Inclusive service tax)		Rs.18000

COURSE 3: PROFESSIONAL INDUSTRIAL AUTOMATION

Module 1:	Basic Industrial Controls: Types of switches/indicators, Basic circuits – series/parallel, Industrial Drawing, Motor control, Sensors, Relay logics control circuits.	3-4 Month (180 Hours)
Module 2:	PLC : Introduction to PLC , Wiring, Programming- Logical commands, Arithmetic commands, Timers & counter, Hardware interfacing to PLC , Factory Automation Exercises on Automation Sandbox software- Factory IO	
Module 3:	HMI: Introduction to HMI, wiring, Screen designing, Controlling & Monitoring, Interfacing HMI with PLC	
Module 4:	AC Drives: Introduction to VFD, Parameter programming of VFD, 2/3 wire control in VFD, Multistep speed control in VFD, Interfacing of VFD with PLC, PLC-VFD Modbus, HMI-VFD Modbus. Introduction to Stepper Motor, Wiring, Position control, Direction control. Introduction to Servo Motor, Wiring, Position control, Direction control. SCADA- Screen designing, device configuration, Addressing/tag, Controlling & Monitoring only.	
Module 5:	Pneumatics : Electro-pneumatic valves/actuators, Interfacing of valves with PLC , Combined projects on pneumatic + PLC + HMI	
Module 6:	Hydraulic, Solid works	
COURSE FEE (Inclusive service tax)		Rs.22000

Mr. Pankaj Kumar,
Training Manger cum Automation Executive,
 NFI



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MODE OF PAYMENT

For Cash- Deposit at NFI Office.

For PayPal Payments: ID- nfiautomation@gmail.com

Details for Online Bank Transfer:

Account Name: NORTHSTAR FASTENER INSTITUTES LLP
Account Number: 65120720790
Bank: State Bank of Patiala
IFS Code: STBP0000448
PAN Card: AAIFN8148A
Branch: Baddi (Himachal Pradesh)

Extra details for Online Bank Transfer required by International Students:

Account Name: NORTHSTAR FASTENER INSTITUTES LLP
Account Number: 65120720790
Swift Code: STBPINBB167

Bank Address:
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