

ESSENTIALS OF INDUSTRIAL AUTOMATION

3 Weeks Course

WEEK 1 - E-LEARNING

4 hours/day
Online + Trainer

WEEK 2 - E-LEARNING

4 hours/day
Online + Trainer

WEEK 3 - PRACTICAL

8 hours/day
In lab with trainer



WEEK-1 AND WEEK-2: E-LEARNING 4 HRS/DAY (ONLINE + TRAINER)

- Essential pneumatic elements
- Essential hydraulic elements
- Design and commissioning of pneumatic controls
- Principles and practice with pneumatic circuits
- Essential electric control elements
- Sensors for pneumatic controls
- PLC programming
- Fundamentals of Industrial robots
- Introduction to Industry 4.0




EXTRA TOPICS

- Importance of quality
- Importance of industrial safety
- Expert lecture on industrial robotics
- Expert lecture on modern trends in manufacturing like industry 4.0

WEEK- 3: PRACTICAL AT IIS AHMEDABAD PARTNER CENTRE 8 HRS/DAY (IN LAB, WITH TRAINER)

- Comprehensive practicals on pneumatics and electro pneumatics using state of the art training equipments
- Design and implementation of industrial pneumatic controls
- Design and implementation of pneumatic controls using electric relay logic
- Design and implementation of industrial electro pneumatic controls
- Pneumatic automation involving programmable logic controllers
- Commissioning and testing of industrial applications using PLC
- Basics of simulation
- Introduction to modular production systems

COURSE INCLUDES :

-  E-Learning access for course duration
-  Multi device access
-  Certificate of completion

WHO CAN APPLY -

Diploma/Degree/Professional
(EC,IC,EE, Mechanical, Mechatronics,
Automobile)

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