

PGDIA (Post Graduate Diploma in Industrial Automation) Duration: 5 Month

- **MODULE :**

Basic Electrical

- **HARDWARE :**

Introduction to electrical equipment, Sink Source I/O connection, 2-wire/3 wire/4-wire sensor connection, Relay Connections, Timer Connections, DOL Starters, Forward-Reverse connection, Star-Delta Connection.

- **MODULE :**

Instrumentation

- **HARDWARE :**

Introduction of Instrumentation RTD, Level Sensor, Thermo Couples, Proximity Sensor, Pressure transducer, flow meter, lead cell, PID.

- **MODULE :**

AutoCAD & EPLAN

- **HARDWARE :**

Introduction to AUTOCAD, Introduction to Toolbars, Use of Command Window, 2D/3D Drafting & Settings, Wiring System, Isometric, Control Panel Designing, Automation Control Panel Designing.

- **SOFTWARE**

Auto Cad

- **MODULE :**

Panel Designing

- **HARDWARE :**

Introduction to Panel component, Layout of Panel, Selection of material, Commissioning of panel.

THE WORLD OF AUTOMATION

Manik raj park, 2 nd floor, office no.4,
oppo.elpro city square mall,PCMC Link
road, chinchwad, pune-411033
907510223 / 8530084777 / 8530094777

THE WORLD OF IT HUB

Office No. 208, Lotus Court, Above Kaka Halwai
Sweets, Near Panchami Hotel,Swargate,
Pune (MH)-411009
9168093002 / 9168093006 / 7276695435

- **MODULE :**

Allen Bradley PAC (Basic)

- **HARDWARE :**

- Micrologix all series (1000,1200,1400)
- SLC all series (5/03, 5/04, 5/05)
- Compact Logix

- **SOFTWARE**

- RS Linx Gateway (Communication)
- Rs Logix 5000 (Programming)
- RsLogix 5000 Simulator

- **MODULE :**

Siemens PLC

- **HARDWARE :**

- S7 – 300
- S7 – 400
- S7 – 1200 / S7 - 1500

- **SOFTWARE**

- Simatic Manager V 5.6
- TIA Portal (V16)
- Total Integrated Automation

- **MODULE :**

Mitsubishi PLC

- **HARDWARE :**

FX Series

- **SOFTWARE**

- GX Developer
- GX Work 2

- **MODULE :**

Delta PLC

- **HARDWARE :**

DVP 10 SX 11 T

- **SOFTWARE**

WPL 2.48

- **MODULE :**

Schneider PLC

- **HARDWARE :**

C200

- **SOFTWARE**

Machine expert

- **MODULE :**

Omron PLC

- **HARDWARE :**

CP1E

- **SOFTWARE**

CX Programming

- **MODULE :**

SCADA

- **HARDWARE :**

- Wonder ware

- Factory Talk View (Allen Bradley)

- WinCC (Siemens)

- **SOFTWARE**

- In touch 9.5

- Factory Talk (CPR7)

- WinCC Version 7.5

- **MODULE :**

HMI

- **HARDWARE :**

- KTB 700 Basic

- Delta HMI

- **SOFTWARE**

- TIA Portal V15.0

- DOP Soft 4.0

Servo Motor

- **MODULE :**

VFD

- **HARDWARE :**

Siemens Sinamic V20 - All Parameter settings direction control, speed control.

- **MODULE :**

Networking

- **HARDWARE :**

SCADA and PLC Communication PLC and HMI Communication PLC and Drive Communication Remote I/O s using Ethernet (R10 – IM151 2PN – module) (Sp-200 – 01/00 module) using ProfiNet.

- **MODULE :**

PDP

- **HARDWARE :**

- HR Session + Test
- Industrial visit & guest Lecture

Markdown

- Programming Language :

1. Ladder Logic.
2. IL (Instruction List)
3. FBD (Functional Block Diagram).
4. STL (Statement List).
5. ST (Structural Text Language).

- Stepper Motor Connection with Delta & Siemens PLC
- Work On Live Projects.

***100% Placement Guarantee.**

***Expert & Experience Faculty.**

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***Digital Labs.**

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