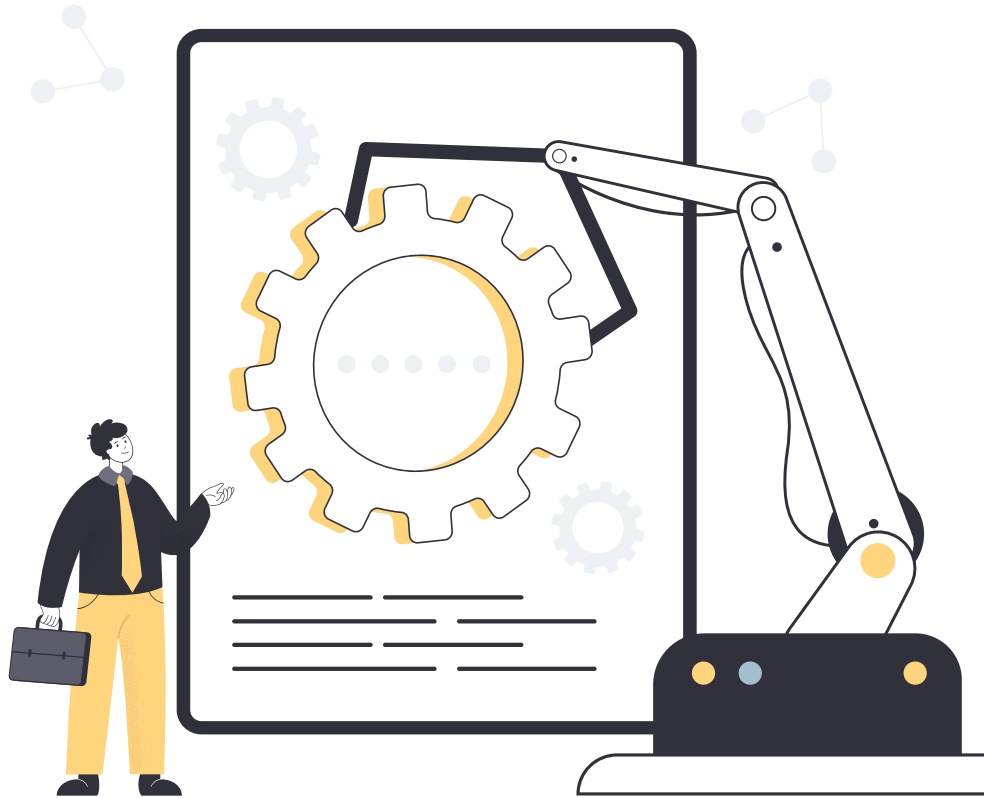# THE W RLD OF
AUT MATION

AUTOMATION

Branch - 1
Manik Raj Park, 2nd Floor, Office No. 4,
Opp. Elpro City Square Mall,
PCMC Link Road, Chinchwad, Pune - 411033
Mobile : 9075102234/8530084777/8530094777

Branch - 2
Office No. 3, Riverview, Ekta Park Society, Near Shivajinagar
Bus Stand, Wakdewadi, Pune - 411005
Mobile : 7276695435/9822294913

100% PLACEMENT GUARANTEE

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CERTIFIED INDUSTRIAL AUTOMATION

(3 Months)

Module	Hardware	Software
Basic Electrical	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.	
Instrumentation	Introduction of Instrumentation RTD, Level Sensor, Thermo Couples, Proximity Sensor, Pressure transducer, flow meter, lead cell, PID	
AutoCAD	Introduction to AUTOCAD, Introduction to Toolbars, Use of Command Window, 2D Drafting & Settings, Wiring System, Control Panel Designing, Automation Control Panel Designing.	AutoCAD
Panel Designing	Introduction to Panel component, Layout of Panel, Selection of material, Commissioning of panel.	
PLC (Pragrammable Logic Control)		
1. Allen Bradley PAC (Basic)	Micro logix all series (1000,1200,1400) SLC all Series (5/03, 5/04, 5/05) Compact Logix PLC	RS Linx Gateway (Communication) RS Logix 500 (Programming) RS Logix 5000
2. Siemens PLC	S7 – 300 S7 – 400 S7 – 1200 / S7 - 1500	Simatic Manager V 5.6 TIA Portal (V15.0) Total Integrated Automation
3. Mitsubishi PLC	FX Series FX 3GE	GX Developer GX Work 2
4. Delta PLC	DVP 10 Sx 11 T	WPL 2.48
5.Schneider PLC	C200	Machine Expert

CERTIFIED INDUSTRIAL AUTOMATION

(3 Months)

Module	Hardware	Software
SCADA	Wonder ware Factory Talk View (Allen Bradley) WinCC (Siemens)	In touch 9.5 Factory Talk (CPR7) WinCC Version 7.5
HMI	KTB 700 Basic Delta HMI	TIA Portal V15.0 DOP Soft 4.00.08
VFD	Siemens Sinamic V20 - All Parameter settings direction control, speed control	
Networking	PLC To PLC Communication, SCADA and PLC Communication PLC and HMI Communication PLC and Dive Communication Remote 1/0 s using Ethernet (R10 – IM151 2PN – module) (Sp-200 – 01/00 module) using profinet.	
Stepper Motor	Stepper Motor connection with Delta & Siemens PLC	
PDP	HR Session + Test Industrial visit & guest Lecture	

Markdown Programming Language

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