CADD Master 5C
Autodesk Authorised Training Centre

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AUTODESK
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industrial AUTOMATION

Diploma in Industrial Automation

Training Details

Course Code	: HCCC64
Course Name	: Diploma in Industrial Automation
Duration	: 2 Months
Eligibility	: Diploma/ BE/ ME/ EIE/ EEE/ ECE/ ITI / +2 /Equivalent

Syllabus:

PLC (Programmable Logic Controller)

- Introduction to PLC
- Introduction to relay logic control
- Difference b/w relay logic & PLC
- About Hardware & Software
- Introduction to Software
- Introduction to Ladder Logic Diagram
- Basic Programs
- Switch Programs
- Latching Programs
- Memory Coil Programs
- Blinking Programs
- Timer Programs
- Counter Programs

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Practical

- Introduction to Software

- Basic Programs in software

- Switch Programs in software

- Latching Programs in software

- Memory Coil Programs in software

- Blinking Programs in software

- Timer Programs in software

- Counter Programs in software

- Interfacing PLC software/ Hardware Manufacturers:

- OMRON PLC

- SIEMENS PLC

- DELTA PLC

SCADA

Introduction to SCADA

- About PLC & SCADA

- Basics of SCADA

- Exercise-1 (Switch, Light)

- Exercise-2 (Box Movement)

- Exercise-3 (Ball Movement)

- Exercise-4 (Zig Zag Movement)

- Exercise-5 (Conveyer)

- Introduction to Window Scripts

- Exercise-1 (Conveyer)

- Exercise-2 (Conveyer with Tank)

- Project-1 (Boiler operation)

- Project-2 (Packing operation)

- Project-3 (Mixture operation)

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- Recipe management

<u>HMI</u>

- Introduction to HMI
- Introduction to Software
- About PLC-HMI Interfacing

<u>VFD</u>

- Exercise-1 (Switch-1, Light)
- Exercise-2 (Switch-2, Light)
- Exercise-3 (Switch-3, Light) VFD
- Introduction to VFD
- Why VFD...
- VFD kit training
- VFD kit training