



## OFFLINE TRAINING ON

# ELECTRICAL CAD

### Course content of Electrical Cad:

- UNDERSTAND THE PRINCIPLES OF INDUSTRIAL AUTOMATION.
- UNDERSTAND WORKING WITH GRAPHIC DESIGNER SCREEN
- APPLICATION OF LAD PROGRAM ON HMI PROJECTS.
- INTERFACING OF VARIOUS FIELD DEVICES WITH HMI SYSTEM

UNIT 1: SOFTWARE AND COMMANDS

UNIT 2: LINE, TRIM, POLYLINE, REGION, CIRCLE, ARC FILLET, OFFSET & MIRROR

UNIT 3: ARRAY, HATCH, GRADIENT, SCALE, STRETCH, JOIN & BREAK

UNIT 4: INTRODUCTION TO AUTOCAD ELECTRICAL

UNIT 5: INTRODUCTION TO AUTOCAD ELECTRICAL

UNIT 6: SYMBOL LIBRARY & COMPONENT TAGGING

UNIT 7: WIRE & LADDERS, WIRE NUMBERING LAYERS

UNIT 8: MULTIPLE WIRE BUS & EDIT COMPONENT

UNIT 9: SYMBOL BUILDER

UNIT 10: PLC INSERTION & PARENT CHILD COMPONENT

UNIT 11: ELECTRICAL AUDIT & SCHEMATIC REPORT

After successful completion of the training  
Government of India certificate will be awarded.