

The Department of EEE NARASARAOPETA ENGINEERING COLLEGE (Autonomous), NARASARAOPET held a practical training program with hands-on experience on Electrical Auto cad from August 18 to August 30, 2025, in association HIEE EMPOWERING ENGINEERS PVT LTD (HIEE)

The following main subjects formed the basis of the program's design:

Introduction to AutoCAD Electrical

- Introduction to AutoCAD Electrical & Interface
- Interface Components and Commands
- Workspace Settings
- Electrical Help
- Drawing Files
- Electrical Components and Wires

Project Files and Drawings.

- Project Manager Interface
- Accessing Project Files
- Opening / Creating Drawing
- Add a Drawing to a Project File
- Managing Drawings in Projects

Schematics I – Single Wires/Components

- Referencing
- Ladders
- Insert Wires
- Edit Wires
- Add Rungs
- Wire Setup
- Wire Numbers
- Source & Destination Signal Arrows
- Parent/Child Components

Schematics II – Multiwire and Circuits Diode analysis.

- Dashed Link Lines
- 3-Phase Ladders
- Multiple Wire Bus
- 3-Phase Components
- 3-Phase Wire Numbering
- Cable Markers
- Fan In/Out

- Insert Saved Circuits
- Copy / Move Circuit

Panel Drawings.

- Insert Footprint
- Insert Component
- Edit Footprint
- Assign Item Numbers
- Add Balloons

Wiring

- Insert Connectors
- Edit Connectors
- Insert Splices
- Insert Multiple Wires
- Bend Wires

Symbol Creation

- Schematic Symbols
- Naming Convention
- Icon Menu Wizard
- AutoCAD Electrical Databases
- Project database
- Catalog Database
- Footprint Lookup Database
- PLC Database

Settings and Templates

- Project Properties
- Drawing Properties
- Panel Drawing Configuration
- Template Files
- Sharing Symbol Libraries and Databases



**NARASARAOPETA
ENGINEERING COLLEGE**
(AUTONOMOUS)









*A Two Week Practical Training
on*

Auto CAD - Electrical

18th - 30th August, 2025





Resource Person
Kunche Dikshith Goud

In Association with
**HIEE Empowering Engineers Pvt. Ltd.,
Hyderabad**

Organized by : **Dept. of Electrical & Electronics Engineering**



