National Institute of Electronics and Information Technology, Patna

Name of Course: Certificate course in Electrical Designing using AUTOCAD

Objective: Individuals will learn advanced concepts of AutoCAD and overview of how to bring electrical design productivity to new levels as compared to using traditional 2D drafting techniques.
Duration: 1 Month

Batch Size: 30

Eligibility: Pursuing B.E./ B. Tech./ Diploma/ BSc. In Electrical/ Electronics
Course Syllabus:

Topics	Sub-topics
Introduction	Introduction to the course Overview of AutoCAD Electrical Overview of screen layout
Understanding project files	Creating a new project WDF, project files Project Manager interface
Electrical schematic drawing	Wire numbering Component tagging Electrical control circuits Schematic symbol libraries Editing commands
Working with PLC symbols	Insert PLC (parametric) Insert PLC (full units), Insert Individual PLC I/O points PLC based tagging, Spreadsheet to PLC I/O utility
Creating custom symbols	Creation of schematic symbols Naming convention, Icon menu wizard AutoCAD Electrical databases
Terminal plan drawing	Insert terminal symbol, Manipulation of the terminal plan, Multiple level terminals Multiple insert component, command, Insert jumpers, Terminal strip editor DIN Rail command
Generating reports	Save an external file Put on, drawing, configure report templates Running automatic reports Electrical audit

Note: Students should have PC/ Laptop/ Smart Phone with Internet Connection for the Online Class.

HOW TO APPLY: Interested candidate may apply online through
http://14.139.202.67/registration