



Electrical Power Distribution with AUTOCAD, ETAP

Entry Requirement

Candidate should have basic electrical fundamentals knowledge having BE-BSC Electrical Engineering degree

Description

This training course is strongly recommended for the engineering intends to work as lead design and protections engineers.

Course contents

- Power system concepts
- Lighting Concepts & Manual Calculations
- Electrical AutoCAD Basics
- Wiring Diagram & Shop drawings Design
- Power Networks Design and Control
- Primary and secondary design of electrical power network
- Etap Medium Voltage Networks Designing
- Over View On The Power System
- Power Transmission and distribution Fundamentals
- Concepts for Lighting Design
- Lamps and Luminaires Types
- Manual Calculations for Interior Lighting Design
- Practical Example on Interior Lighting Design
- Design control and schematic drawings in AutoCAD
- Wiring Diagram Basic Concepts
- Wiring Diagram Design in Autocad
- Transformer and Genset sizing
- Solar and battery sizing
- Switchgear and their Properties
- Autocad Drawing Legend and codes as per IEC standard
- Circuit Breakers Types and Properties
- Circuit Breakers sizing and Calculations
- Cables Types and Properties
- Cables Designing and Calculations
- Voltage Drop Manual Calculations for Medium Voltage Networks
- Voltage drop Calculations With Etap
- Short Circuit Current Calculations With Etap
- Load and short circuit calculation.

Benefits

- Training by Mr. Sajid Munir. He has rich hands-on experience in electrical projects in the areas of substation, industry, commercial, solar PV, Relay testing, project management, technical trainings.
- Trainings flexible face to face or online.
- Real time field base demo and exercise.

Course duration

1 week

8:00pm to 10:00pm



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