



Electrical Consultancy

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 Engineer and as consultant

Course contents

- Electrical Consultancy overview and importance
- Electrical Engineering and formula sheet
- Thumb rules
- Types of Loads
- International Standards, IEC, BS, ANSI, IEEE
- Power System overview LV-MV-HV
- Switchgear and Components LV-MV-HV
- Circuit breakers and protection relays 415V, 11KV, 132KV, 220KV, 500KV
- Power factor improvement and case study
- Harmonics background and calculations
- Cable selection, sizes, types, comparison
- Residential wiring calculations
- Commercial and industrial wiring calculations
- Volt drop standards and calculations.
- Short circuit calculations of cable sizing
- Cable tray types, applications, and calculations
- Oil type transformer- overview- applications and case study
- Dry type transformer overview- applications and case study
- Gas and Diesel Genset overview- applications and case study
- ATS and AMF Panels overview- applications and case study
- Motor application and calculations
- DOL, ASD, Soft starter, VFD details.
- Illumination calculations
- Lighting comparison
- Fan calculations
- Room AC Calculation
- Earthing system
- Lightning arrestor

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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