

07. PRACTICAL POWER TRANSFORMER

COURSE CODE : PPT || 2 DAYS

This course covers unit and non-unit protection schemes, focusing on the principles and operation of protection relays in electrical power systems. Participants will learn fault types, protective devices, relaying schemes, system coordination, and gain practical exposure to protection relay testing up to 11kV, including an understanding of relay operation based on system design.

COURSE CONTENT

- Protection system and relay operation using single-line diagrams
- OCEF, differential, standby earth fault, biased differential, and REF relays
- Introduction to CMC356 and OMICRON software
- Testing, calibration, and stability testing of protection relays
- CT and VT arrangement for feeders and transformers
- CT, VT, and metering testing with ratio calculations
- Arc flash protection overview
- Fault condition case studies

RECOMMENDED FOR

- 11kV Electrical Service Engineer (JPE)
- 33kV Electrical Service Engineer (JPE) candidate
- 33kV Electrical Competent Engineer (JEK)
- 33kV Electrical Competent Engineer (JEK) candidate
- Testing Engineer
- High Voltage Engineer