

06. PRACTICAL POWER SYSTEM PROTECTION TESTING & CALIBRATION

COURSE CODE : PPSP || 2 DAYS

This course focuses on protection relay testing and result analysis for electrical power systems. Participants will learn protection principles, fault types, protective devices, relaying schemes, and system coordination, with practical exposure to protection relay testing up to 11kV and an understanding of relay operation based on system design.

COURSE CONTENT

- Introduction to basic protection and related Act & Regulations
- Components involved for protection system to work
- Non Unit Protection Scheme for Low Voltage & 11kV System
- Type of Protection Relay for LV & 11kV systems (Only cover for OCEF, OC, EF, ELR, UVR)
- Working principle of Protection Relay for LV & 11kV systems
- Magnetizing Curve for Current Transformer
- Test Equipment to test Protection Relay for LV & 11kV systems
- Scenario of Fault & Protection Relay Action
- Testing Protection Relay for LV & 11kV systems
- Calculation related to Setting Current, Time Multiplier Setting & Relay Operating Time
- Fill the data in Testing Form (Borang H)

RECOMMENDED FOR

- Electrical Service Engineer (JPE) candidate
- Electrical Competent Engineer (JEK) candidate
- Testing Engineer
- Electrical Engineer
- Tester (Protection)
- Engineer Technician
- Chageman