

OVERVIEW

The main philosophy about protection is that no protection of power system can prevent the flow of fault current through the system, it only can prevent the continuation of flowing of fault current by quickly disconnect the short circuit path from the system. For satisfying this quick disconnection the protection relays should have following functional requirements. It also covers principles of various power system protection relays and schemes including special power system protection schemes like differential relays, restricted earth fault protection, directional relays and distance relays etc. The details of transformer protection, generator protection, transmission line protection & protection of capacitor banks are also given. It covers almost everything about protection of power system. instrument transformers like current transformer testing voltage or potential transformer testing and associated protection relay are explained in detail

TARGET MARKET

Power Plant Engineer, Power plant Operator, Site Supervisor, Contractors, Technician, Electrician. Chargeman, Safety Supervisor.

COURSE OUTLINE

- Power System Fault Analysis
- Current Transformer
- Voltage Transformer
- Overcurrent Protection
- Short Circuit Analysis
- Earth Fault Protection
- Synchro Check Relay

OBJECTIVES

Principles of operation, and application of M.V and H.V. power system protective relaying. The analysis of relay operations for various power system faults. You will also have a better understanding of the possible problems likely to arise and know where to look for answers. In addition you are introduced to the most interesting and “fun” part of electrical engineering to make your job more rewarding. Even those who claim to be protection experts have admitted to improving their knowledge after attending this workshop.



SBL CLAIMABLE



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