

**Course Overview:**

Power Systems and Safety Aspects is the fundamentals of electrical maintenance forelectrical equipment & inspection in High, Medium and Low Voltage Switchgear

**Course Objective:**

This course covers the theory, operation, maintenance, diagnosis and testing of power electrical power supply maintenance and risk. Upon the successful completion of this course, each participant will be able

**Course Outline:**

- Introduction Power Systems
- Safety Aspects
- Fundamentals of Electrical Maintenance.
- Maintenance of Electrical Equipment & Inspection.
- High, Medium, Low Voltage Switchgear
- Substation types
- Substation Grounding
- Circuit Breaker Maintenance, Care & Testing
- Motor Maintenance
- Power Factor Correction
- Risk Assessment

**Who Should Attend:**

This course is applicable to engineers and other technical staff who need a sound understanding of power transformer operation, maintenance, troubleshooting or testing

**Training Language:**

EN / AR

**Training Methodology:**

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation