

Course Overview:

This course provides theoretical and practical knowledge of the issues related to power quality. The objective of the course is to familiarize attendees with the terminology and concepts to evaluate the quality of power in an electric power system, and allow them to identify the source of the problem.

The course will help attendees identify power quality problems, and to will provide them with tools and methods in order to avoid such problems either during design or during the normal and emergency operation of the electric power system

Course Objective:

- Develop a sound working knowledge of earthing and harmonics
- Gain practical knowledge of surge and transient protection
- Design electrical and electronic systems correctly by applying knowledge of earthing principles
- Troubleshoot electrical and electronic systems
- Isolate and rectify power quality problems

Course Outline:

- Introduction To Power Quality Analysis
- Industry Commitment To Power Quality
- Grounding
- Voltage Disturbances
- Mitigation Techniques

Who Should Attend:

Plant engineers, facilities engineers, consultants and all personnel involved in the operation and maintenance of electric power systems are strongly encouraged to attend this course. Additionally, supervisory personnel are also encouraged to attend in order to become aware of the subject.

Training Language:

EN / AR

Training Methodology:

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