

Course Overview:

Battery systems applications, components, operating principles and causes of failure for vented lead acid, valve regulated lead acid and nickel-cadmium batteries.

Course Objective:

- Demonstrate knowledge in operation of DC systems
- Demonstrate the need for DC systems in most control equipment
- Handle batteries with care, and maintain the batteries in respective stations to the best for assured longer life, better performance and most of all availability of the battery system.

Course Outline:

- Introduction To Batteries
- Battery Hazards
- Battery Safety Equipment And Procedures
- Application And Scope
- Ground Fault Detection
- Battery Protection
- Battery Basics
- Battery Types and Design
- Battery Construction
- Battery Testing
- Battery Charging and Discharge
- Battery Maintenance
- Battery Test Equipment

Who Should Attend:

Designed for maintenance personnel that are responsible for battery systems in substations, power plants and other systems that require emergency power.

Training Language:

EN / AR

Training Methodology:

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