

**Course Overview:**

This general introductory course provides some basic engineering concepts needed to understand how a power plant works, followed by a general overview of coal-fired power plant layout and operating principles. All major systems in the power plant will be discussed all the way from coal handling to the generation of electricity. Relationships between power plant systems will be illustrated.

**Course Objective:**

By the end of this course, all participants will get familiar with All major systems in the power plant will be discussed all the way from coal handling to the generation of electricity. Relationships between power plant systems will be illustrated.

**Course Outline:**

- POWER PLANT CONCEPTS
- SIMPLE POWER PLANT
- BASIC ENERGY CONVERSION
- POWER PLANT ELECTRICAL PRIMER
- Troubleshooting & SHUTDOWN SAFETY.
- DEFINING MAINTENANCE.
- PLANNING & SCHEDULING.
- POWER PLANT TUNING

**Who Should Attend:**

Generation dispatchers who need a basic understanding of coal-fired power plant operation

- New employees who work, at or deal with, coal-fired power plants
- Regulators, communications staff, and others who need a basic understanding of coal-fired power plant operations
- Administrative or management support professionals who need a better understanding of coal-fired power plants to plan and implement projects
- Corporate accountants who desire a better understanding of coal-fired power plant operations and the factors that can affect operating costs
- ales professionals who must understand coal-fired power plant operations to better serve customers

**Training Language:**

EN / AR

**Training Methodology:**

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