Power System Analysis Skills For Engineers & Technicians

Date	Venues	($)Fees	Book your seat
27 Apr -01 May 2025	Bahrain	2900	Register Now

Course Overview:

Industrial Electrical Power Systems need a good design. A proper functioning electric power distribution system is vital to safety, maintenance, troubleshooting and the efficient operation of a modern industrial plant. The power distribution system includes high voltage utility tie circuit breakers, main transformers, medium voltage switchgear, distribution transformers, motor control centers, electric motors, variable speed drives, etc.

Course Objective:

- Power System Analysis means verifying the adequacy of the power distribution system and its components.
- Recognize coordination related disturbances and outages.

Who Should Attend?

Electrical Engineers, technicians, operation and maitenance in the industrial, consulting, and utility fields involved in design, operation and maintenance who require knowledge of electrical system protection techniques.

Course Outline:

- **INTRODUCTION TO DEREGULATION IN POWER INDUSTRY**
- **DESIGN ELECTRICAL POWER SYSTEMS MORE EFFICIENTLY**
- **BETTER SELECT AND SIZE POWER SYSTEM COMPONENTS**
- **UNDESTAND THE FUNDAMENTALS OF SHORT CIRCUIT STUDIES**
- **UNDESTAND THE BASICS OF COORDINATION STUDIES**
- **CALCULATE OVERCURRENT DEVICE SETTINGS**
- **UNDERSTAND POWER SYSTEM DESIGN AND ANALYSIS**
- **AN OPTIMAL REACTIVE POWER DISPATCH MODEL FOR DEREGULATED ELECTRICITY MARKETS**
- **LOCATIONAL MARGINAL PRICING**

Training Methodology:

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

00201126467555
info@bptcenter.com
www.bptcenter.com