



## Power System Analysis Skills For Engineers & Technicians

Date	Venues	(\$)Fees	Book your seat
15 Dec -19 Dec 2024	Cairo	2900	<a href="#">Register Now</a>

### 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 maintenance 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

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