

TE303

Course Overview:

Power System and Data Technique and engineering along with distribution network analysis, planning and design, play a critical role in the technical management, development, and acquisition of complex power and energy technology systems. They are the professionals responsible for planning, coordinating, and overseeing group efforts that translate operational need into technology solution, and whose tools and skills determine whether a system will meet cost, schedule, and performance goals.

Course Objective:

This program will help the attendees to:

- -Focus on defining and implementing system projects and provides valuable insight for managing and leading project and technical teams
- -Introduce methods and techniques for a structured systems development process
- that proceeds from requirements to concept to production to operation
- -Focus on the interfaces between the people, processes, and products.
- -Equips teams with knowledge necessary to realize successful solutions
- -Review the power system data collecting methodology
- -Applying the specific statistic programs to analyze the data

Course Outline:

- -Fundamentals of Power and Energy Systems
- -Different methods of generating electricity
- -Renewable resources
- -Transmission and Distribution and Smart Grid
- -Modern power transmission and distribution systems
- -Transformer technology
- -Transmission grids
- -Load management
- -Distribution optimization
- -Power supply reliability
- -Introduce the power system data collecting
- -Data processing Duplicate distributions and representation methods
- -Correlation for quantitative and descriptive data

Who Should Attend:

All engineers and technicians, systems engineers, functional engineers, power & energy specialists involved in the power sectors and power planning, operation, and also in the factories, and enterprises.

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Training Language: EN / AR

Training Methodology:

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

