

Smart Metering System

TE296

Course Overview:

The "smart grid" is a next-generation electrical power system, which uses Information and communication technology in generation, delivery and consumption of electrical energy. It is a modernized electrical delivery system, which is going to revolutionize the production, delivery and use of electricity worldwide in coming days.

Course Objective:

- -Emerging concepts, technologies, applications of Smart Meters and smart grids
- -Examine the issues and trends that are most relevant to power delivery systems
- -Explore solutions that are offered by smart grid technologies
- -Challenges in switching over to smart meters.
- -Basics of electric circuits
- -Benefits to Consumer, Networking Managers and Suppliers & issues
- -Renewable energy importance in the smart grid

Course Outline:

- -Introduction on smart meters & smart grids & performance requirements
- -Metering Infrastructure & Meter Data Management
- -Smart meters issues
- -Smart meter exposure levels
- -Health affects of smart meters
- -Power distribution and smart meters
- -Why smart metering is required
- -Area covered by smart meters
- -Metering Management
- -Effect of influential parameters on smart meter function

Who Should Attend:

Smart grids, Smart meters, Data management, technical, network development, distributions, innovations and strategic project managers as well as, Executives from power distribution, transmission, renewable energy, Power regulatory commission, Energy meter testing and acceptance wing

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Training Language: English

Training Methodology:

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

