

**Course Overview:**

The course is designed to maximize delegate participation. From the outset, the goals of each participant are discussed to ensure needs are fulfilled as far as possible. Questions and answers are encouraging throughout and at the daily wrap-up sessions. This gives participants the opportunity to discuss with other delegates and the presenter their specific problems and appropriate solutions. All delegates take away a manual of all the material presented. Only minimum note taking is encouraged to ensure maximum delegate attention during the course.

**Course Objective:**

Delegates will gain an overall appreciation of the applicable standards and working practices for:

- Different types of renewable energy sources
- Get familiar with the relevant up to date renewable energy systems
- Testing and Commissioning
- Life Assessment
- Value Assessment
- Maintenance

**Course Outline:**

- Renewable Sources of Energy
- Renewable energy versus alternative energy
- Planning and development of integrated energy
- Renewable energy economics
- Integration of Renewable Energy
- Wind power, General Classification of wind turbines
- Generators and speed control used in wind power energy
- Thermo-solar power plant
- Water heating by solar energy
- Fuel Cells Power Plants
- Generation of electricity using biogas

**Who Should Attend:**

Managers, leader Engineers, and Technicians who are responsible to the design installation, and testing of protection systems who are required to refresh their knowledge and skills

**Training Language:**

Eng

**Training Methodology:**

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