



United Engineering Services

Consultancy, Energy Audit, Instrumentation, Maintenance Management System, Safety Audit, Technical Audit and Trainings

In view of the increasing pace of change, United Engineering Services brings you learning Programs for Improvement of Technical Skills. Individuals who endeavor to improve themselves must attend the events. United Engineering Services, made possible through Learning Bites.



The distinguishing features of Learning Bites are:-

- They are designed to be an easy and learnable material.
- They are highly pocket friendly opportunity, and above all,
- They are digestible, accessible, and affordable.



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Electrical Operation and Maintenance

Objectives:

- This workshop has been designed to help companies to adopt basic operation and maintenance techniques in order to maximize efficiency and minimize down time of the producing unit.
- Time will be an excellent opportunity for those who one way or the other are involved with electrical operation & maintenance.
- All persons responsible for operation & maintenance of the plant need to understand the basic knowledge of electrical engineering.

Who Should Attend?

- Engineering Managers, Operations Management Personnel, Electrical Maintenance Personnel, Technical Personnel, Electricians, and all those who are responsible for or are associated with Electrical Operations and Maintenance.

Workshop Fee:

Fee for program is

Rs. 19,500/- two day which includes workshop material, certificates.

Payment should be made in favor of "United Engineering Services."

Timing:

09:30 a.m. to 04:30p.m.

Workshop Contents:

- 1. Basic Concept**
- 2. Generators**
 - AC Generators
 - DC Generators
- 3. AC Motors**
 - Force and Motion
 - Magnetism (Operation of AC Motors)
 - AC Motor Construction
 - Electromagnetism
 - Developing a Rotating Magnetic Field
 - Rotor Rotation
- 4. Transformers**
- 5. Basic Power Distribution**
- 6. Circuit Protection**
 - Types of Circuit Breakers
 - Circuit Breaker Ratings
 - Time-Current Curves
- 7. Basics of Power Measuring**
 - Electrical Power Distribution
 - Voltage and Current Values
 - DC (Direct Current)
 - Measuring DC Voltage
 - Watt Meter
- 8. Basics of Surge Protection**
 - Causes of Surges
- 9. Electrical Safety**
 - General Safety Rules
 - Safe Working Practices
 - Basic Concepts of Grounding
- 10. Batteries**
- 11. Cables**
- 12. Test Equipment**
- 13. Maintenance**
- 14. Basic Electrical Formulas**