



United Engineering Services

Consultancy, Energy Audit, 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.



For more information and details contact:

Mr. Muhammad Junaid Asif:

Ph: (021) 35805163

Fax: (021) 35313968

E-mail: info@ues-electrical.com

Web: www.ues-electrical.com

Address: 2-C, Mezzanine Floor,
15th Commercial Street Phase II
(Ext.) DHA. Karachi.

Electrical Energy Conservation

Objectives:

Awareness in energy conservation to reduce energy bill and increase profitability.

This workshop has been designed to help companies to adopt conservation techniques.

Who Should Attend?

Senior, middle managers, engineers and all those who are responsible for energy utilization and operation.

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:

An Overview of General Energy Utilization

- Basic philosophy
- Historical analysis
- Preliminary energy survey for future investigation
- Detail technical assessment

Tools and Techniques

- Lighting system
- Lighting level v/s needs
- Efficient lighting fixtures
- Installation and maintenance
- Efficient lamp and ballast
- Lighting control
- Cost benefits
- Power supply optimization and control
- Power factor
- Distribution
- Losses
- Maintenance
- Electric motor and drive system
- Motor sizing
- Maintenance
- Motor selection
- Effect of harmonics
- Case study energy saving

Developing the Financial Case

- Financial feasibility methods
- Energy auditing
- Energy costs, rate structures and scheduling
- Energy monitoring and targeting