



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.



For more information's and details contact:

Mr. M. 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 Power Distribution (Design & Maintenance)

Objectives:

- A perfect design will save energy cost as well as maintenance cost & save down time.
- This workshop will give guideline & practical application of design concept in industry.

Who Should Attend:

- Senior & middle managers, engineers and all those who are responsible or associated with maintenance, design and modification of electrical system.
- Engineer from process industries such as Fertilizer, Cement and Chemical Plant etc. will be more benefited.

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 General principles of planning

- i) Objective
- ii) Alternatives
- iii) Premises
- iv) Evaluation
- v) Decision making
- vi) Implementation

2 HV/LT industrial network management

- i) HV/LT transmission & distribution
- ii) EHT/LT/HT for industrial network

3 Design concepts

- i) Lighting level
- ii) Basic parameters
- iii) Basic components
- iv) Substations
- v) Transformers
- vi) Illumination

4 Switchgear & control

- i) Fuse selection
- ii) Contactors selection
- iii) Circuit breakers selection
- iv) Protection of equipment

5 Safety consideration

- i) Classified area
- ii) Hazardous location
- iii) Tagging
- iv) Safety of personnel
- v) Energy isolation
- vi) Work permit

6 Power factor

- i) Power factor & its importance
- ii) Design of power factor improvement plant

7 Grounding / lightning design

- i) Methods
- ii) Design of system
- iii) Selection criteria
- iv) Grounding for static charges

8 Harmonics in industry

- i) Basic concept
- ii) Limitations
- iii) Solutions

9 Electrical software applications

- i) Ecodial
- ii) Terasaki