



# United Engineering Services

Electrical Consultancy, Technical Training, Process Instrumentation, Project Management, Energy Audit, Maintenance Management System



**Pakistan Engineering Council**  
Continuing Professional Development (CPD)  
Approved Training Program

## Plant Maintenance, Planning and Scheduling

**Wednesday and Thursday 27<sup>th</sup>-28<sup>th</sup> February 2019**

**Karachi**

**CPD Point "1"**

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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### Objectives:

This workshop has been designed to help companies to adopt "Plant Maintenance Planning & Scheduling" in order to make the producing unit to achieve maximum efficiency to minimize down time.

### Who Should Attend?

Senior, Middle Engineer and all those who are responsible or associated with Maintenance.

### Workshop Fee:

- Fee for program is **Rs. 21,500/- per participant**
- which includes workshop material, certificate, refreshments and lunch. Please send your nomination(s), along with the workshop fee, before February 26<sup>th</sup>, 2019 Payment should be made in favor of "United Engineering Services"

### Timing:

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

### Early Bird Discount:

**10%** per participant (Before February 17<sup>th</sup>, 2019)

### Multiple Nominations:

Three or more nominations are entitled for a further discount **10%** per Participant

### Workshop Contents:

#### Part A

- 1. Maintenance management concepts**
  - 1.1. The purpose and need of maintenance
  - 1.2. Role of maintenance for optimum system
- 2. Maintenance management**
  - 2.1. Historical background
  - 2.2. Definition
  - 2.3. Modern concepts of maintenance techniques
  - 2.4. RBM / RCM maintenance
  - 2.5. Computerized plant maintenance planning & scheduling concepts
  - 2.6. Total maintenance management
- 3. Cost analyses and financial feasibility**
  - 3.1. Breakeven analysis
  - 3.2. Accounting rate of return
  - 3.3. Payback period
  - 3.4. Discounted cash flow
  - 3.5. Internal rate of return
- 4. Preventive maintenance**
- 5. Predictive maintenance**
- 6. Inventory control**

#### Part B

Maintenance Management Software & Its Applications

- 1. Asset management**
  - 1.1. Plant database (Pdb)
  - 1.2. Coding scheme (CS)
  - 1.3. Machine record & machine history (MR & MH)
  - 1.4. Maintenance Procedures
- 2. Work orders**
  - 2.1. Work order management (WOM)
  - 2.2. Parts management
  - 2.3. Tool database (Tdb)
  - 2.4. Drawing management (DM)
- 3. Planning**
  - 3.1. Maintenance schedule (MS)
  - 3.2. Break down statistics (BDS)
  - 3.3. Tool database (Tdb)
  - 3.4. Drawing management (DM)