

Continuing Engineering Education Centre

PROGRAMME

March 12, 2018 (Monday)

Event	Time (Hours)
Registration	0830 – 0900
Recitation from Holy Quran	0900 – 0905
Opening Remarks	0905 – 0915
Lecture-1	0915 – 1015
Recap on fundamental laws, energy generation, distribution and conservation	
Tea Break	1015 – 1030
Lecture-2	1030 – 1230
An exercise on development of energy balance chart for an industrial setup	
Lunch and Prayer Break	1230 – 1330
Lecture-3	1330 – 1530
Significance of energy auditing, energy saving techniques for the industry	
Award of Certificates	1530 – 1545
Closing Remarks	1545 - 1600



University of Engineering & Technology, Lahore

Continuing Engineering Education Centre

Short Course Series

Energy Management

On

Monday, March 12, 2018

at

Seminar Hall,

UET Lahore Auditorium

Resource Person

Prof. Dr. Mohammad Ilyas Anjum

Director,

Continuing Engineering Education Centre



Purpose and Background

Energy management is the process of monitoring, controlling and conserving of energy in a building or organization. In today's economy, energy management has become an essential part of business strategy. Through the effective implementation of energy management strategies, businesses can incorporate sustainability into day-to-day operations in ways that promote long-term cost savings.

This short course covers the techniques and solutions for the management, conservation and reduction of energy consumption. It includes planning and operation of energy related production and consumption for an organizational setup.

Special Features

- ❖ A certificate will be awarded to the participants.
- ❖ As per the implemented Continuing Professional Development System by PEC, Credit Points will be awarded to the Registered/ Professional Engineers who have attended the course and earned the certificate.

Who should attend?

- All Engineers of all disciplines
- Students

Course Fee:

Course fee is **RS 3000 per person**. The includes meals and refreshments.

Venue:

Seminar Hall 1, University Auditorium, UET, Lahore

Registration Process and Contact Info.

For registration, please visit us in person at Continuing Engineering Education Center, Stadium Road, UET Lahore or contact us by phone or email.

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Course Contents

- Review of basic definitions and laws of energy
- Overview of energy generation, transmission and distribution
- Development of an energy balance sheet for your organization
- Controlling and reducing energy consumption at your organization
- Energy saving techniques
- Energy management cycle

Course Benefits and Expected Outcomes

- ❖ Knowledge building on fundamentals of thermo-fluids
- ❖ Comprehensive recap on different means of energy production
- ❖ Enrichment in knowledge on fossil fuel power plants
- ❖ Become proficient in writing heat balance and calculation of thermal efficiency
- ❖ Learn energy conservation techniques

Profile of Resource Person

Dr. Mohammad Ilyas Anjum received his Bachelor in Mechanical Engineering from the University of Engineering from the University of Engineering and Technology, Lahore in 1982 and his Masters and Doctorate degrees in Thermo-fluids from the George Washington University, Washington DC in 1984 and 1988, respectively. Dr. Anjum holds valid professional engineering (PE) licenses from Washington D.C. and State of Virginia, USA. During the past thirty years, while serving the faculty of engineering and the local USA industry, Dr. Anjum gained an increasingly diversified experience in designing and development of power plant training, power plant simulation, power plant controls, energy systems, heat and mass transfer, thermos-fluids, hydraulics and pneumatics systems, environmental control systems and rotating machinery.

As a Director of Continuing Engineering Education Centre, Dr. Anjum is currently coordinating and promoting professional development activities amount the students, faculties and the Pakistani industrial community.