

Continuing Engineering
Education Centre
UET, Lahore

PROGRAMME

Insha'Allah

23rd October 2018 (Tuesday)

Event	Time (Hours)
Registration	8:30 – 9:15
Recitation from Holy Quran	9:15 – 9:20
Opening Remarks	9:20 – 9:30
Introduction to Fresh and Hardened Concrete Properties	9:30 – 10:30
Tea Break	10:30 – 11:00
Tests/Standards used to investigate Fresh Concrete Properties	11:00 – 11:30
Tests/Standards used to investigate Hardened Concrete Properties	11:30 – 12:30
Lunch/Prayer Break	11:30 – 1:30
Non-Destructive testing Role of SCMs and Latest Trends	1:30 – 2:30
Discussion on Research Papers	2:30 – 3:30
Closing/Certificate Distribution	3:30 – 4:00



University of Engineering and Technology,
Lahore

Continuing Professional Development
(CPD)

A Workshop on

Investigation of Mechanical Properties of Concrete

On
October 23, 2018 (Tuesday)



**Concrete Properties, Investigation Standards,
Current and Future Trends**

Resource Person

DR. MUHAMMAD IRFAN-UL-HASSAN
Civil Engineering Department
University of Engineering and Technology,
Lahore

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PURPOSE AND BACKGROUND

All working professionals including engineers require continuous up-gradation of their knowledge and skills to improve working competency and efficiency. University of Engineering and Technology Lahore has conceived a Continuing Professional Development Program for its growing community of professional engineers. A series of short courses and workshops, in addition to many other academic and professional activities, are now offered by UET on regular basis.

This workshop has been designed to enhance the knowledge of young professional about "Investigation of Mechanical properties of Concrete: specifically designed for professionals who are involved in construction of projects, building design industry and as well as this course can be beneficial for civil engineering academicians". This course will mainly benefit the early career professional, field engineers, final year or master students and engineers involved in the small or large scale projects where concrete work involved.

CPD TITLE:

Investigation of Mechanical Properties of Concrete

OBJECTIVES:

Introducing young engineers and professional about methods and standards involved in investigating properties of Concrete. In addition current trends and future Prospects will also be discussed.

MAIN CONTENTS:

1. Introduction to Fresh and Hardened Concrete Properties
2. Tests/Standards used to investigate Fresh Concrete Properties
3. Test Method/Standards used to investigate Hardened Concrete Properties
4. Non Destructive testing
5. Role of SCMs in concrete properties
6. Current and future trends in Concrete Modelling
7. Discussion on Research Papers

TARGET PARTICIPANTS:

**Junior Civil Engineers,
Site Engineers
Structural engineers,
Architectural Engineers
Structural engineering students**

SPECIAL FEATURE:

◆ **A certificate of one CPD point will be awarded to the participants.**

WHO SHOULD ATTEND?

Fresh engineers, Structural engineering students, early stage professional involved in constructional industry can participate.

COURSE DETAILS:

Course Fee:

Rs 3000/- (For Professional Engineers)

Rs 1500/- (For Faculty and Teachers)

Rs 1000/- (For Students)

REGISTRATION PROCESS

Application Form dully filled along with required documents and Fee in the form of Pay Order/ Bank Draft in favour of "PEB Coordinator" or online payment to Habib Bank Limited, UET Branch, **A/C No. 01287902267903**. **Fee can also be paid in cash on spot at the registration desk.**

For more information, Contact:

Dr. Mohammad Ilyas Anjum

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UET, Lahore.**

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The related information can also be found on the website

<http://www.ceec.uet.edu.pk/>

VENUE

Computer Lab, Civil Engineering Department, UET, Lahore.

PROFILE OF RESOURCE PERSONS

Dr. Muhammad Irfan-ul-Hassan is serving as Assistant Professor and Director Earthquake Engineering Lab. at the Department of Civil Engineering, UET Lahore. He completed his PhD in Civil Engineering (Emphasizing on *Testing and Computational modelling of concrete*) from Vienna University of Technology, Austria. He published his research work on mechanical properties of concrete and multiscale modelling. Dr Irfan-ul-Hassan has a strong background in design of concrete structures and modelling of concrete elements and concrete structures. His research interest includes Analysis and design of structures, testing on concrete materials and multiscale modelling. He also possesses a lot of research and teaching experience in Pakistan as well as in Austria.