

Why CPD ?

Pakistan Engineering Council (PEC) is deeply motivated for the development of engineering profession in the country. Realizing the importance of international recognition of engineering qualification and cross border mobility of our engineering graduates, and to provide them access to international job market, PEC has taken several initiatives. As a landmark achievement, PEC has become the signatory of **“Washington Accord”** in June 2010. The process for membership of **“Engineers Mobility Forum (EMF)”** is also in progress.

PEC framework for Professional Development of Engineers (Byelaws 2008) stipulates continuing professional development needs of a “Registered Engineer (RE)” and “Professional Engineer (PE)” in Pakistan. The CPD activities and Engineering Practice Examination (EPE), are now two distinct parts of professional growth and thereby assessment to get the title of “PE”. The CPD Byelaws have become effective from 10th July 2010.

About CIIT

COMSATS Institute of Information Technology (CIIT) started its journey in 1998, and established its first campus at Islamabad in April 1998. In August 2000, in recognition of CIIT's achievements, the Federal Government granted it the status of a Degree Awarding Institute (DAI) through promulgation of its charter. The CIIT, besides its principal campus at Islamabad, has six other fully functional campuses at Lahore, Abbottabad, Wah, Attock, Sahiwal and Vehari, while few more campuses are in different planning stages.

On the advice of the Federal Government, efforts are also under way for opening an overseas campus in the Gulf region.

Registration Information

Registration form can be downloaded from <http://www.ciitlahore.edu.pk/cpd/>. Please send electronic/hard copy of the filled out form to the following:

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CPD Workshop Series

LATex



*COMSATS Institute of Information
Technology, Lahore*

Course Overview

LaTeX is a document preparation system. It is extensively used especially for the publication of scientific documents in many fields. It provides excellent controllability on the structure of the document while preparing it. This controllability features makes it suitable for handling large files such thesis, books etc. Moreover, this tool is best suited to write mathematical expressions using easy commands. Historically, LaTeX has been used by mathematicians and computer scientists, but later, it has also been taken up by scholars to write complex non-Latin scripts, such as Arabic, Sanskrit and Chinese. It is worth noting that LaTeX follows the design philosophy of **separating presentation from content**. LaTeX documents (*.tex) can be opened with any text editor. They consist of plain text and do not contain hidden formatting codes or binary instructions.

About the Instructors

1. Dr. Hafiz Muhammad Asif is Assistant Professor at Electrical Engineering Department, COMSATS Institute of Information Technology, Lahore.
2. Dr. Mirza Tariq Hamayoun is Assistant Professor at Electrical Engineering Department. COMSATS Institute of Information Technology, Lahore

Course Description

This workshop is arranged for people who are interested in using LaTeX, an alternative tool to MS Word, especially for writing their project reports and thesis. The LaTeX provides excellent structural control to its users and is excellent tool for writing complex mathematical equations. The workshop focuses on the basic use of LaTeX for writing first document in LaTeX, Tables, figures, Bibliography, Table of contents, presentation slides (Optional) and so on.

It is an interactive workshop on LaTeX tool. The objective of the workshop is to introduce the salient features of this powerful editing tool to the participants. The brief summary of the points to be covered in the workshop is as follows:

1. Overview & basics of LaTeX
2. Structure of text and language
3. Math mode and spacing
4. Images and tables
5. Bibliography
6. Handling large files...thesis writing

Who may attend: This course is designed for engineers, researchers and students

Requirements/Pre-requisites:

1. Personal Laptops
2. Miktex installed on systems (available on internet)
Alongwith TeXNicCenter, JabRef (Bibliography editor) and GhostScript and GhostView. (All Available on internet)

Schedule

Date: Tuesday **May 2, 2017**

Time: **05:00 to 07:00 pm**

Topic Overview:

- ◆ Overview & basics of LaTeX
 - ⇒ Layout, design, advantages, disadvantages
 - ⇒ LaTeX input files
 - ⇒ Structure of text and language
- ◆ Math mode
- ◆ Figure and tables
- ◆ Bibliography
- ◆ Something about thesis write up

Last date to register

Friday April 28, 2017

**Registration Fee Rs 200/- for all
(You may also submit the fees on spot
in case of prior registration through
email)**

Venue:

Conference Room, Block-A
Electrical Engineering Department
**COMSATS Institute of Information
Technology, Lahore**