

Latex Technology

LaTeX is an extremely powerful markup language for creating structured documents. It is particularly well suited for documents containing mathematics, but can be used for any document. Those whose publications involve a large number of mathematical equations often use LaTeX rather than MS Word or some other word processing package. It is the standard writing tool for most research in the mathematical, physical and engineering sciences. LaTeX provides a facility for pdf output so that it is easy to share your research with other people who do not have LaTeX installed. Remarkably, LaTeX is freeware.

The main objective of the Workshop is to make aware the participants about LaTeX. By the end of the workshop, the participants will be confident enough to typeset their documents using LaTeX.

Topics to be covered:

Introduction to LATEX

Why LATEX?

Basic Document Creation

Creating basic document

Changing the class (article, report)

Section, subsection

Chapter, paragraph, subparagraph

Generating table of contents

Starred version of the commands

Title creation

Formatting the Document

Special characters

Dashes & Hyphens

Spacing & newline

Footnote

Formatting (bold, italic, underline, emph)

Itemize & enumerate



Flush left & right

Writing Abstracts

Advanced Topics

Tables

Mathematics

Equations

Greek letters

Equation numbering

Vectors

Graphics

Inserting image

Giving caption and label

Referencing

Create references.

Duration: The duration of this workshop will be two consecutive days, with 6-7 hour session each day in a total of 12-14 hours.

The Workshop content consists of an approximately equal mixture of lecture and hands-on lab.

Fees: Rs. 1200/- (inclusive of all taxes) per participant.

