

## Course Contents

### Lecture – 1

History & Brief Introduction of TEX/ LATEX, development of TEX/LATEX, Installation and IDEs best suited for TEX/LATEX.

### Lecture – 2

Creating a basic document, what is document class, advantages, environments, various commands for customizing the page layout, typing conventions, reserved characters, special characters etc.

### Lecture – 3

TEX/LATEX in the realm of Unix/Linux/Mac OS.

### Lecture – 4

Handling bibliography in LATEX, creating bibliographic databases, tools for creating bibliographic databases using JabRef/WBibdib software.

### Lecture – 5

Typing mathematics in LATEX, conventions, how to type inline and displayed equations, the equation, equation array environments. The amsmath and other packages.

### Lecture – 6

The TeX Directory System, how to search for packages, CTAN, downloading and installing packages and documentation available.

### Lecture – 7

Displayed text, various types of lists - enumerate, itemize, quotes, customizing enumerated lists.

### Lecture – 8

Inserting figures in LATEX documents. Supplementary software for creating figures.

### Lecture – 9

Creating ones own macros, changing the formats, etc.