

## The Spoken Tutorial project

- \*Self-explanatory - uses simple language
- \*Audio-video - uses multisensory approach
- \*Small duration - has better retention
- \*Learner centered - learn at your own pace
- \*Learning by doing - learn and practice simultaneously
- \*Empowerment - learn a new FOSS

## Target Group

- \*Students - High School and College
- \*Working professional - Software users, developers and trainers
- \*Research scholars
- \*Community at large

## Workshops

The Spoken Tutorial Project Team conducts workshops on LaTeX and several FOSS using spoken tutorials and gives certificates to those who pass an online test.

**For more details, please write to**  
[contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)

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# Spoken Tutorial

# L<sup>A</sup>T<sub>E</sub>X

### Contact us

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# What is LaTeX?

LaTeX is a document preparation system for high-quality typesetting. Often used for technical or scientific documents, it can be used for almost any form of publishing: letter, report, textbook, etc...

LaTeX lets authors get with writing documents without being bothered about document design.

Download LaTeX from  
<http://tug.org/begin.html>

## Benefits of LaTeX:

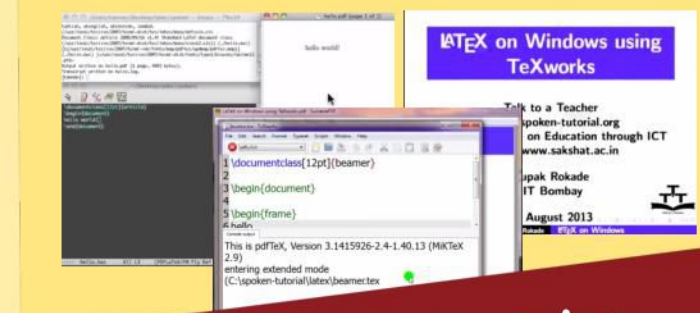
### Benefits of LaTeX:

- \*Works on all OS: Linux, Windows, Mac OSX.
- \*Easily typesets journal articles, technical reports, books and slide presentations.
- \*Controls large documents containing sectioning, cross-references, tables and figures.
- \*Typesets complex mathematical formulae with ease.
- \*Advanced typesetting available for mathematical equations.
- \*Automatic generation of bibliographies and indexes.
- \*Multi-lingual typesetting.

- \*Inclusion of artwork and process or spot colour.
- \*Uses PostScript or Metafont fonts.
- \*Very active user community.

## Xfig

- \*Xfig is a free and open source vector graphics editor. It is a drawing tool for use on the Linux and UNIX services.
- \*Xfig was written by Supoj Sutanthavibul in 1985.
- \*In Xfig, figures may be drawn using objects such as circles, boxes, lines, spline curves, text etc.
- \*It is also possible to import images in formats such as GIF, JPEG, EPS, PostScript etc.
- \*These objects can be created, deleted, moved or modified. Attributes such as colours or line styles can be selected in various ways.
- \*Xfig has a facility to print figures to a Post-Script printer too.
- \*Convenient feature is the PSTEX or PDFTEX export format. This allows a smooth integration of Xfig-generated images into LaTeX documents.
- \*Most operations in Xfig are performed using the mouse. But some operations may also be performed using keyboard (accelerators) shortcuts.
- \*The interface is designed for a three-button mouse, although it is also possible to use a two button or a one button mouse with appropriate emulation.



## Tutorials in the series

- \*LaTeX on Windows using TeXwork
- \*What is Compiling?
- \*Letter Writing
- \*Report Writing
- \*Mathematical Typesetting
- \*Equations
- \*Tables and Figures
- \*Beamer
- \*Bibliography
- \*Inside story of Bibliography
- \*Simple block diagram
- \*Feedback control diagram
- \*Feedback diagram with Maths

These tutorials are also available in many Indian languages such as English, Hindi, Bengali, Bhojpuri, Gujarati, Kannada, Marathi, Sanskrit, Tamil, Telugu.