

# **L<sup>A</sup>T<sub>E</sub>X on Windows using TeXworks**

**Talk to a Teacher**

**<http://spoken-tutorial.org>**

**National Mission on Education through ICT**

**<http://www.sakshat.ac.in>**

**Rupak Rokade**

**IIT Bombay**

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# Learning Objectives

**In this tutorial we will learn to,**



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# Learning Objectives

In this tutorial we will learn to,

- ▶ Download and install MiKTeX



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- ▶ Write basic  $\text{\LaTeX}$  documents using TeXworks



# Learning Objectives

In this tutorial we will learn to,

- ▶ Download and install MiKTeX
- ▶ Write basic  $\text{\LaTeX}$  documents using TeXworks
- ▶ Configure MiKTeX to download missing packages



# Software requirement

- ▶ OS: Windows 7



# Software requirement

- ▶ OS: Windows 7
- ▶ MiKTeX2.9



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# Salient features of TeXworks





# Salient features of TeXworks

- It is platform independent



# Salient features of TeXworks

- ▶ It is platform independent
- ▶ It has an embedded pdf reader



# Salient features of TeXworks

- ▶ It is platform independent
- ▶ It has an embedded pdf reader
- ▶ It supports Indian language typesetting



# Why MiKTeX?



# Why MiKTeX?

- ▶ Up-to-date implementation of TeX/L<sup>A</sup>T<sub>E</sub>X and related programs for Windows



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- ▶ Up-to-date implementation of TeX/ $\LaTeX$  and related programs for Windows
- ▶ Required for creating basic documents in  $\LaTeX$  on Windows



# Why MiKTeX?

- ▶ Up-to-date implementation of TeX/ $\LaTeX$  and related programs for Windows
- ▶ Required for creating basic documents in  $\LaTeX$  on Windows
- ▶ TeXworks is a default editor available with MiKTeX



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# Missing packages

- ▶ Beamer is not included in the basic MikTeX setup





# Missing packages

- ▶ Beamer is not included in the basic MikTeX setup
- ▶ Required to download and add to the current MikTeX distribution



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# Installing Missing packages

**Two ways to install**



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# Installing Missing packages

**Two ways to install**

**1. Install during compilation**



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# Installing Missing packages

## Two ways to install

1. Install during compilation
2. Manual installation using MikTeX's package manager



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# Summary

In this tutorial we learnt to,

- ▶ Download and install MiKTeX
- ▶ Write basic  $\text{\LaTeX}$  document using TeXworks
- ▶ Configure MiKTeX to download missing packages



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# About the Spoken Tutorial Project



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- ▶ Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarises the Spoken Tutorial project



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- ▶ It summarises the Spoken Tutorial project
- ▶ If you do not have good bandwidth, you can download and watch it





# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Acknowledgements

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- ▶ It is supported by the National Mission on Education through ICT, MHRD, Government of India
- ▶ More information on this Mission is available at

<http://spoken-tutorial.org/NMEICT-Intro>

