Basic Slides
Simple Beamer class for Slides
Beamer Class a little nicer
Split screen
Pictures
Transition Effects
Movies and Verbatim Environment

LaTeX: The Language of Scientific Writing
TEQIP-III Sponsored FDP

Presented By :
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Jaypee Institute of Information Technology, Noida
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Outline

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Basic Slides

Making of Basic Slides

- **The Slide Class:**

  1. Start with \documentclass{slides}.

  2. Surround the document with \begin{document} and \end{document} commands.

  3. Surround the text that you want to appear on each slide with \begin{slide} and \end{slide} commands.

  4. Preview the slides to see where best to break the material between slides.

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Simple Beamer Class

Make the Presentation Nice and Interactive Using

Beamer Class

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Simple Beamer Class

\documentclass{beamer}

\title{Simple Beamer Class}
\author{Your Name}
\date{\today}

\begin{document}

\frame{\titlepage}

\frame{\frametitle{Table of contents}\tableofcontents}

\end{document}

Title

Each frame should have a title.

Without title somethink is missing.

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Simple Beamer Class
Unnumbered lists
Numbered lists
Tables
Blocks

Unnumbered lists

```
\begin{itemize}

\item Introduction to  \LaTeX
\item Course 2
\item Termpapers and presentations
with \LaTeX
\item Beamer class

\end{itemize}
```

- Introduction to LaTeX
- Course 2
- Termpapers and presentations with LaTeX
- Beamer class

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Lists with pause

- Introduction to LATEX

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- Introduction to LATEX
- Course 2

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- Introduction to LaTeX
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\begin{itemize}

\item Introduction to \LaTeX \pause
\item Course 2 \pause
\item Term papers and presentations with \LaTeX \pause
\item Beamer class

\end{itemize}

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Numbered lists

```
\begin{enumerate}

\item Introduction to  \LaTeX
\item Course 2
\item Term papers and presentations
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\item Beamer class

\end{enumerate}
```

1. Introduction to LaTeX
2. Course 2
3. Term papers and presentations with LaTeX
4. Beamer class

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1. Introduction to LaTeX

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1. Introduction to LaTeX
2. Course 2

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1. Introduction to LATEX
2. Course 2
3. Term papers and presentations with LATEX

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\begin{enumerate}

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\item Course 2 \pause
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\end{enumerate}

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Tables

```
\begin{tabular}{|c|c|c|}
\hline
\textbf{Date} & \textbf{Instructor} & \textbf{Title} \\
\hline
WS 04/05 & Sascha Frank & First steps with  \LaTeX  \\
\hline
SS 05 & Sascha Frank & \LaTeX \ Course serial \\
\hline
\end{tabular}
```

Date	Instructor	Title
May 20, 2018	David	First steps with LaTeX
May 20, 2018	John	LaTeX Course serial

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Tables with pause

A   B   C

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Tables with pause

A	B	C
1	2	3

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Tables with pause

A	B	C
1	2	3
A	B	C

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Tables with pause

\begin{tabular}{c c c}
A & B & C \\
\pause
1 & 2 & 3 \\
\pause
A & B & C \\
\end{tabular}

Blocks

\begin{block}{title of the bloc}
bloc text
\end{block}

\begin{exampleblock}{title of the bloc}
bloc text
\end{exampleblock}

\begin{alertblock}{title of the bloc}
bloc text
\end{alertblock}

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Blocks

title of the bloc
bloc text

title of the bloc
bloc text

title of the bloc
bloc text

Beamer Class a little nicer

By adding the different theme packages we can make some nice slides.

```
Use "\usepackage{beamerthemesplit}" after "\documentclass{beamer}"
                          or
Use "\usepackage{beamerthemeshadow}" after "\documentclass{beamer}"
```

Split screen

```
\begin{columns}

\begin{column}{5cm}
        or
\column{.5\textwidth}

\begin{itemize}
\item Beamer
\item Beamer Class
\item Beamer Class Latex
\end{itemize}

\end{column}
```

```
\begin{column}{5cm}
        or
\column{.5\textwidth}

\begin{tabular}{|c|c|}
\hline
\textbf{Inst.} & \textbf{Title} \\
\hline
Sascha Frank &  \LaTeX \ Course 1 \\
\hline
Sascha Frank &  Course serial  \\
\hline
\end{tabular}

\end{column}

\end{columns}
```

Pictures

```
\begin{figure}
\includegraphics[scale=0.5]{PIC1}
\caption{show an example picture}
\end{figure}
```

Pictures

Figure: show an example picture

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Pictures
Joining picture and lists
pictures which need more space

Joining picture and lists

```
\begin{columns}
\begin{column}{5cm}
\begin{itemize}
\item<1-> subject 1
\item<3-> subject 2
\item<5-> subject 3
\end{itemize}
\vspace{3cm}
\end{column}
```

```
\begin{column}{5cm}
\begin{overprint}
\includegraphics<2>{PIC1}
\includegraphics<4>{PIC2}
\includegraphics<6>{PIC3}
\end{overprint}
\end{column}
\end{columns}}
```

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Pictures
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pictures which need more space

Joining picture and lists

- subject 1

Joining picture and lists

- subject 1

PIC 1

Joining picture and lists

- subject 1
- subject 2

Joining picture and lists

- subject 1
- subject 2

PIC 2

Joining picture and lists

- subject 1
- subject 2
- subject 3

Joining picture and lists

- subject 1
- subject 2
- subject 3

PIC 3

pictures which need more space

```
\begin{frame}[plain]

\end{frame}
```

Figure: show an example picture

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Transition Effects

Transition Effects

use any one of the following with \begin{frame}

\transblindshorizontal	Horizontal blinds pulled away
\transblindsvertical	Vertical blinds pulled away
\transboxin	Move to center from all sides
\transboxout	Move to all sides from center
\transdissolve	Slowly dissolve what was shown before
\transglitter	Glitter sweeps in specified direction
\transwipe	Sweeps single line in specified direction
\transduration{2}	Show slide specified number of seconds

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Movies and Verbatim Environment

Movies and Verbatim environment

```
\usepackage{multimedia}
...
\frame{
\movie[height=1.125in,width=1.5in,poster]{}{Chemotaxis.mov}
}
```

- \movie[options]{text, picture, etc to click on }{name of movie }
- Should support all major movie types: .avi, .mov, etc. Problems: make sure Acrobat has the correct plug-ins!!!

You cannot use **verbatim** **without specifying it in the frame options:**

```
\frame[containsverbatim]{ \frametitle{}
\begin{verbatim}
. . . contents . . .
\ end{verbatim}
}
```

Movies

Thank You