

Some Interesting \LaTeX Packages

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L^AT_EX Packages

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- add-on features for L^AT_EX
- make things easier, or even possible, to do
- add new styling features or modify those already existing

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and so on. Now let us look at some of the packages.

geometry

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Geometry package allows us to do these things in more than one way

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For instance,

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\usepackage[margin=2cm]{geometry}
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sets all the margins as 2 cm.

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```
\usepackage[lmargin=1in,rmargin=20mm,  
tmargin=3cm,bmargin=36pt]{geometry}
```

geometry

You could also write it this way:

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```
\usepackage{geometry}  
\geometry{lmargin=2.5cm,rmargin=2cm,tmargin=3cm,  
bmargin=1cm}
```

verbatim

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In a beamer class file, you should add the `[fragile]` option to frame when you want to use `verbatim`

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Or you can use the `fancyhdr` package.

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exam

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- questions

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The Exam package provides a `class` file that helps to create question papers. It provides environments such as:

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and some additional commands.

Longtable

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- `\usepackage{longtable}` in the preamble
- `\begin{longtable}` and
- `\end{longtable}` to create the `longtable` environment

colortbl

The package `colortbl` makes it possible to create tables, such as:

	Distance from the Sun	
Planet	(million km)	
	Maximum	Minimum
Mercury	69.4	46.8
Venus	109.0	107.6
Earth	152.6	147.4

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```
\columncolor{yellow},  
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```

and

```
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The basic format is:

```
\columncolor[<color model>]{<colour>}[<left  
overhang>][<right overhang>]
```

hyperref

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hyperref

The `hyperref` package provides hyperlinks
For example, contents listings can be linked to the chapters
or URLs can be linked to the respective web pages

marginpar

Sometimes you may want to note something in the margin, like this:

6

പ്രവർത്തനം 2

പരിചയപ്പെടൽ (2 മണിക്കൂർ, 10 മിനിട്ട്)

ഘട്ടം 1-ൽ നൽകാവുന്ന സമയം:
10 മിനിറ്റ്

ഈ ഘട്ടത്തിൽ
പങ്കെടുക്കുന്നവരോട് അവരുടെ
പേര്, പഠിപ്പിക്കുന്ന വിഷയം,
ക്ലാസ്സ് വേവൽ, സ്കൂളുകൾ
തുടങ്ങിയവ ചുരുക്കി പറയാൻ
ആവശ്യപ്പെടുക.

ഘട്ടം 1: സ്വയം പരിചയപ്പെടുത്തൽ

ഈ സമയത്ത് നിങ്ങൾക്ക് സ്വയം പരിചയപ്പെടുത്താനും പരിചയപ്പെടാനും പങ്കെടുക്കുന്ന എല്ലാവരെയും പരിചയപ്പെടാനും അവസരം ലഭിക്കും. നിങ്ങൾ പഠിപ്പിക്കുന്ന ക്ലാസ്സ്, വിഷയം തുടങ്ങി നിങ്ങളുടേപ്പറ്റി മറ്റുള്ളവരുമായി പങ്കുവയ്ക്കാൻ നിങ്ങളാഗ്രഹിക്കുന്ന കാര്യങ്ങൾ താഴെയുള്ള വരികളിൽ എഴുതിച്ചേർക്കാം.

മറ്റുള്ളവരുമായി പങ്കുവയ്ക്കാനുള്ള പ്രധാന കാര്യങ്ങൾ

url

The URL Package makes it easy to typeset, obviously, URLs.

This helps to avoid problems like

http://a.very.long.url.that.flows_out_of_the_right_margin.com/andcauseso

Some Useful \LaTeX Commands

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`\rule{width}{height}`

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This line is pushed to the right by 1 cm with its help!

Some Useful L^AT_EX Commands

`\raisebox`

Sometimes you may want to raise or lower some object from its normal level.

For example, one could do the following:

baseline ^{upward} baseline _{downward} baseline

\backslash rotatebox

You can also rotate objects:

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This was done using the command

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\rotatebox{45}{\framebox{\LARGE\color{blue}\LaTeX}}
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You could put an image inside the box too.

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You could put an image inside the box too. But that can be done more efficiently with `includegraphics`.