



Sardar Vallabhbhai Patel Institute of Technology, Vasad

Applied Science and Humanities Department

Workshop on LaTeX (Intermediate Level)

Applied Sciences and Humanities Department has organized one week National level Workshop on “**LaTeX (Intermediate Level)**” during 24th August to 29th August 2020. Approximately 31 faculties and research scholars from all over India have participated in workshop. Mr. Devendranath Sanyasi and Dr. Akhil Mittal explain about the preparing the beamer presentation in LaTeX. Experts explain all the command of LaTeX to prepare the presentation. Hands on practice done by the participants.

The screenshot displays a LaTeX Beamer presentation editor. On the left, the source code for a Beamer presentation is visible, including commands for document class, theme, title, subtitle, author, and date. The right pane shows the rendered slide, which has a blue header with the title "Fermat's Theorem on Sums of Two Squares" and subtitle "One of the famous results in Number Theory". The authors listed are Mr. Sumit P. Agrawal and Dr. Rakesh S. Patel, affiliated with M.S. University of Baroda and Sardar Vallabhbhai Patel Institute of Technology. The date is August 25, 2020. A Windows taskbar is visible at the bottom, and an "Activate Windows" watermark is present on the right side of the image.

Document: C:\Users\deven\Desktop\latexWorkshop\day2_workshop.tex

File Edit Tools LaTeX Math Wizard Bibliography User View Options Help

PDFLaTeX View PDF

day2_workshop.tex

```

38 \frametitle{What is a Prime Number?}
39 \framesubtitle{i.e. Definition needs
40 to be given here}
41
42 \begin{definition}
43 A prime number is a number that has
44 exactly two divisors.
45 \end{definition}
46
47 \begin{example}
48 \begin{itemize}
49 \item 2 is a prime (two divisors:
50 1 and 2).
51 \item 3 is a prime (two divisors:
52 1 and 3).
53 \item 4 is not a prime (three
54 divisors: 1, 2 and 4).
55 \end{itemize}
56 \end{example}
57
58 \end{frame}
59
60 \begin{frame}
61 \frametitle{}
62
63
64
65

```

Sum of Squares Numbers that can be expressed as Sums of Two Squares

What is a Prime Number?

i.e. Definition needs to be given here

Definition

A prime number is a number that has exactly two divisors.

Example

- 2 is a prime (two divisors: 1 and 2).
- 3 is a prime (two divisors: 1 and 3).
- 4 is not a prime (three divisors: 1, 2 and 4).

Mr. Sumit P. Agrawal, Dr. Rakesh S. Patel sumit@subaroda.c Fermat's Theorem on Sums of Two Squares

Structure Messages (Log) PDF Viewer Source Viewer Ready

Windows Taskbar: TrialLatexCL, Meet - On..., File to cop..., Document ...

System Tray: UTF-8 Normal Mode, 11:45, 25-08-2020



Devendra Nath

Activate Windows
Go to Settings to activate Windows.

Document: C:\Users\deven\Desktop\latexWorkshop\day2_workshop.tex

File Edit Tools LaTeX Math Wizard Bibliography User View Options Help

PDFLaTeX View PDF

day2_workshop.tex

```

1 \documentclass{article}
2
3 \usetheme{ferret}
4
5 \title{Fermat's Theorem on Sums of Two Squares}
6 \author{Mr. Sumit P. Agrawal, Dr. Rakesh S. Patel}
7 \texttt{sumit@subaroda.c}
8
9 \institute{Mr. Sumit P. Agrawal, Dr. Rakesh S. Patel}
10
11 \date{\today}
12
13 \subject{Number Theory}
14
15 \begin{document}
16
17 \begin{frame}
18 \frametitle{What is a Prime Number?}
19 \framesubtitle{i.e. Definition needs to be given here}
20
21 \begin{definition}
22 A prime number is a number that has
23 exactly two divisors.
24 \end{definition}
25
26 \begin{example}
27 \begin{itemize}
28 \item 2 is a prime (two divisors: 1 and 2).
29 \item 3 is a prime (two divisors: 1 and 3).
30 \item 4 is not a prime (three divisors: 1, 2 and 4).
31 \end{itemize}
32 \end{example}
33
34 \end{frame}
35
36 \begin{frame}
37 \frametitle{}
38
39
40
41

```

Configure TeXmaker

Commands (% : filename without extension - @ : line number)

LeTeX

PDFLaTeX

☒ Use a "build" subdirectory for output files

Quick Build

XeLaTeX

LuLaTeX

Latexmk

bib\teTeX

Makeindex

dvips

Dvipdfm

ps2pdf

metapost

Asymptote

ghostscript

R Sweave

☐ Launch the "Clean" tool when exiting TeXmaker

DVI Viewer

PS Viewer

PDF Viewer

☒ Built-in Viewer

☐ External Viewer

OK Cancel

Structure Messages (Log) PDF Viewer Source Viewer Ready

Windows Taskbar: TrialLatexCL, Meet - On..., File to cop..., Document ...

System Tray: UTF-8 Normal Mode, 12:47, 25-08-2020



Devendra Nath

Activate Windows
Go to Settings to activate Windows.