

Seminar Report on “Hands on LaTeX Workshop”

1. Date of the Seminar/Workshop: 28.09.2022

2. Title of the Seminar/Workshop: “Hands on LaTeX Workshop”

3. Name of the Speaker/Resource person with Affiliation with the institute/industry:

Ms. Dakshata Panchal

Asst. HOD, CMPN

St. Francis Institute of Technology

Mumbai

4. Venue of the Seminar/Workshop: Platform used-Google meet

5. Duration of the Seminar: 2 hrs

6. Conducted For: Students of Final Year Computer Engineering

7. Objective of the Seminar/Workshop /Curriculum Gap identified/Other than that:

The objective of the Seminar was to make student aware about LaTeX, document preparation software. Students have to write their Project Synopsis and Black Book using LaTeX software. Through this workshop they will get insights about the software.

8. Contents of the Seminar/Workshop:

The 2 hours period was very interactive, and students enthusiastically participated in the hands-on taken by the speaker. Topics that were covered

Making Sections and Sub-sections

Giving Headings

Inserting Images

Inserting Tables

Creating Index etc.

9. Description of the Entire Event

An introductory workshop on LaTeX was arranged for the students of BE CMPN A and B by the Computer Engineering Department. The workshop was scheduled at 3:00pm in the lab 406. Prof. Dakshata Panchal was the resource person for the same. The workshop was attended by 30 - 35 students & teachers from the computer engineering department.

Prof. Dakshata first began by introducing the topic LaTeX and addressing the questions: what is it ? why was it created ? when was it created ? . She compared LaTeX and the traditional Word software which we use. She emphasized on the fact that LaTeX separates content from the style whereas in word what we see is what we get. She also told us about the mechanisms of TeXing and the procedure to installing LaTeX.

We began the hands-on session by logging in on Overleaf. Overleaf is a collaborative cloud-based LaTeX editor used for writing, editing and publishing scientific documents. We understood the layout of the editor. Then We understood the different document classes like book, article etc, We looked at how to make sections and subsections. We understood how these subsections are numbered. We did some manipulations related to numbering of the subsections. We also looked at how we can write special characters, how we can style our text. Prof. Dakshata also taught the audience how to write various mathematical symbols. She also taught the audience how to write various equations, matrices. We also learned how to make tables in LaTeX. We were able to add images and references as required for conference papers. The seminar got over at 5:00 pm. Students and teachers thanked Prof. Dakshata for her interesting seminar.

Session Photograph

DAKSHATA PANCHAL is presenting

1

Writing Research proposal and Papers using LaTeX

Introduction to Latex : A very quick look at typesetting documents

Ms. Dakshata Panchal
Assistant Professor
email: dakshatapanchal@sfit.ac.in

28-09-2022

3:26 PM | sftcmprn

The screenshot shows a Google Meet window with a presentation slide. The slide is titled "Writing Research proposal and Papers using LaTeX" and "Introduction to Latex : A very quick look at typesetting documents". It features a logo of Sree Siddhanta Institute of Technology (SFIT) and the presenter's name, Ms. Dakshata Panchal, Assistant Professor, with her email address. The meeting interface includes a grid of participant avatars on the right, a toolbar at the bottom, and a Windows taskbar at the very bottom.

DAKSHATA PANCHAL is presenting

2

What is LaTeX ?

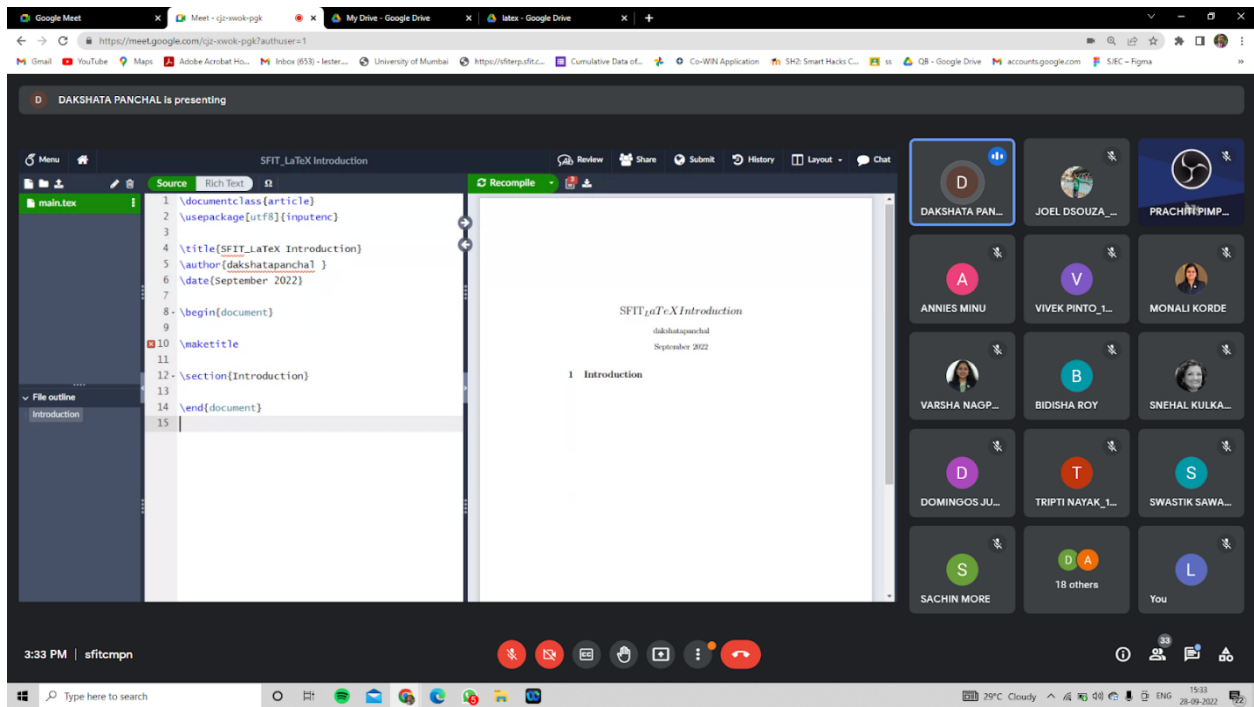
L^AT_EX

- LaTeX is a document markup language (like HTML, XML and RTF) and document preparation system.
- An extension to TeX system
- TeX written by Donald Knuth in 70's
- LaTeX is a document preparation system for high-quality typesetting.
- LaTeX is most often used to produce technical or scientific documents, but it can be used for almost any form of publishing.

28-09-2022

3:27 PM | sftcmprn

The screenshot shows the second slide of the presentation. The title is "What is LaTeX ?" followed by the LaTeX logo "L^AT_EX". Below the title is a bulleted list of five points describing LaTeX. The meeting interface and Windows taskbar are consistent with the first screenshot.



Mr. Shamsuddin Khan, Ms. Ankita Karia

Seminar Incharge

Dr. Kavita Sonawane

HOD, CMPN