Activity: Expert Talk

Topic: "How to prepare PPT in LATEX"   **Date:** 03/12/22

Resource Person: Mrs. S.A.Shevagekar, Assistant Professor, KKWIEER, Nashik

Attended by: 111 Students

Outcomes:

This lecture was useful for students

1. To prepare presentation in Latex software.

Assessment:

Outcome	Outcome 1
Assessment	100
POs Mapped	PO5

Summery:

The Expert Lecture on How to prepare report in latex was held on 3rd December 2022 in the department of E&TC Engineering at Karmaveer Kakasaheb Wagh Institute of Engineering Education and Research (K.K.W.I.E.E.R.), Nashik.

The session was conducted by Mrs.Shweta Shevagekar . She is working as an assistant professor in Electronics and Telecommunication Engineering Department of KKWIEER, Nashik.

Initially Shweta Ma'am gave information about ShareLaTeX software which is online presentation maker software in Latex. It is an open source software.She explained students steps to register on ShareLatex software.

Shweta Ma'am has discussed following points in the session :

There are a number of important benefits to using LATEX for presentations.

- **Portability:** Most LATEX slide packages, including HA-prosper, are designed to produce PostScript or PDF files. These formats are standard in the computing industry and viewers for them are widely available for all common platforms. This means, for example, that it's easy to start writing a presentation on your office UNIX machine and then take it home to finish and preview on your MS-Windows PC. More importantly, having a PDF version of your presentation means that there is no need to arrange for your venue to have PowerPoint, StarOffice, or other uncommon or expensive software; nor do you need to bring along your own laptop with custom software. Most computers nowadays have some sort of PDF viewer installed, but even if not, there are several zero-cost viewers available. In most cases, you can simply copy your PDF presentation to a floppy, CD, or USB key drive, slip it in your pocket, and head to your presentation venue.

- **Ease of collaboration**: Because LATEX files are plain text, it is easy for multiple authors to collaborate to write a presentation, even if not all of them have LATEX. Furthermore, keeping track of versions is easy and storage-efficient using, for example, CVS. Even without sophisticated versioning software, changes from colleagues can be merged in using standard text processing tools such as diff and patch. Compare this to the situation with most presentation software, which use non-human-readable binary file formats and may not have built-in support for collaboration and versioning.

- **Free license and community support**:HA-prosper and its attendant programs (LATEX, Ghost script, etc.) are free software, not just in the sense that you can legally obtain copies without paying for them, but also in that you are free to run,

copy, distribute, study, change, and improve them for any purpose. If HA-prosper doesn't work exactly the way you want, you can examine and adjust the code yourself, or hire a knowledgeable programmer to do it for you. Furthermore, LATEX and its packages have an extensive support network through public mailing lists, user groups, publications, Usenet newsgroups, and private consulting firms.

- **Content before style**: An inherent problem with the WYSIWYG paradigm used by most presentation software is that it conflates the tasks of composition (fixing one's ideas into words in a logically and semantically structured document) and typesetting (determining the superficial physical appearance of a document via, for example, color and font settings). LATEX, however, encourages writers to concentrate on content rather than style. Unlike with WYSIWYG editors, which do not always distinguish between semantic and physical markup, the physical appearance of an HA-prosper presentation is trivial to change even after the document has been written.

- **Reuse LATEX code:** Those who already use TEX or LATEX to write their papers can leverage their existing knowledge rather than learn a whole new program for making slides. And for conference presentations based on existing papers, using LATEX to produce the slides can save you a lot of time. For example, it's much easier to copy and paste complex equations, figures, and tables from the source document than it is to tediously re-key them in a GUI editor. The same goes for incorporating citations and a list of references from your paper's BIBTEX bibliography.

- Basic Syntax of making presentation is:

\documentclass [options] {prosper} \usepackage[options] {HA-prosper}

\title Title of presentation}

lauthor (Name of author}

\begin{document}

Amaketitle

\begin{slide} [options] {Slide title} Material for the slide

\end{slide}

\end{document}

The session was conducted for two hours. It provided the insights of how students can prepare presentation in latex.
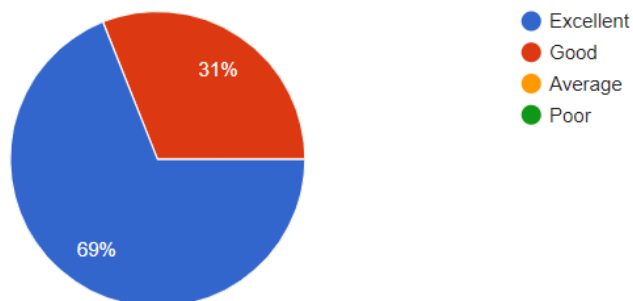
Photos of Expert Talk:

Nashik, Maharashtra, India
2R7F+J3J, Durga Nagar, Nashik,
Maharashtra 422006, India
Lat 20.013906°
Long 73.822462°
03/12/22 01:48 PM GMT +05:30

Feedback from students:

The instructor explained the topic clearly and used relevant examples

- Excellent
- Good
- Average
- Poor

31%

69%

This lecture/expert talk experience will be useful in my work.   Copy

- A(Strongly Agree)
- B(Agree)
- C(Neutral)
- D(Disagree)

34.5%

65.5%