Writing in LaTeX
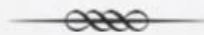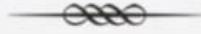
- Install a free TeX engine (MikTeX, MacTeX, TeXLive, ...), Also Overleaf online and commercial packages

- Use an ASCII Text editor (Notepad, Vim, Emacs, TeXWorks, ...)

- Create an ASCII text file "foo.tex"

- Compile and execute the text file "pdflatex ... foo.tex ..."

- Output = foo.pdf

Text File for LaTeX

- First line = \documentclass[11pt]{article}

- Then a series of prepackaged modules are called – \usepackage{amsmath} \usepackage{hyperref} ...

- \title{document title}

- \author{your name \\DAIICT, Gandhinagar...}

- \begin{document} \maketitle ... your text etc ..... \end{document}

Advantages of LaTeX

- Made by for Technical documents with Equations, Tables, Figures, References
- Free packs available
- Default typesetting for most top journals and universities
- Very high quality
- Automatic numbering of equations, figures, tables and references, footnotes, sections, pages,...
- Cross-referencing is easy
- Extremely flexible and powerful

Today

- Technical Presentations
  - What
  - Why
  - Guidelines, Tips
  - Audiovisuals

Presentations to Support

- Conference paper
- Proposals
- Invention disclosure
- Thesis

Why   Presentations   What

- To announce your invention/ research work
- To propose and get money for a new technique/ system
- To educate on your subject/ research/ views
- To sell/ advertise your product/ idea
- To get a new job
- To reach out

A Presentation = Lecture +

- Graphics/ Hand-outs/ Audio-visual Aids
- Effort to secure a predetermined response

Various Types of Technical Presentations

- Examinations
- Project Review/ Performance Review
- Getting a new project/ grant
- Publicity/ Ad/ Selling
- Teaching
- Outreaching/ Interaction - Conference
- Learning

Know your AUDIENCE

- Professors
- Supervisors/ managers
- Customers
- Co-workers
- Conference Attendees

Words uttered once cannot be taken back

(SUPERVISED)

PRACTICE

MAKES

~~PERFECT~~ *Better*

Make a Video/Screen Recording and Watch it Many times with Friends and Family

Take time
to prepare
your Slides

Number of Slides = Number of Minutes Allowed

HAVE A THOROUGH AND DEEP
UNDERSTANDING
OF YOUR SUBJECT

- Poor understanding → bad reports & seminars

Technical Presentation
= Show Business

- Make it interesting
- Be familiar with the room and a.v. set-up
- Look at your audience
- Use your hands or forget them
- Use Voice control
- Avoid vocal and gesture mannerisms
- Be RELAXED, Be SINCERE

Technical Presentation
≈ *Show Business*

- Observe time limit
- <mark>Dress Neatly and Decently</mark>
- Time manage topics
- <mark>Jokes/anecdotes/Humor</mark>
  - only if it comes naturally and is not offensive

Technical Presentation

Be Enthusiastic, Show Enthusiasm

Be POLITE
and Tactful

A Presentation

- **Descriptive Title**
- **Introduction** -Tell them what are you going to tell them
- **Discussion** -Tell them
- **Conclusion** -Tell them what you told them