

# *Engg. Drawing Presentation Challenge:*

This message outlines an advanced presentation challenge for the next Engineering Drawing class. It leverages LaTeX PDF and the Beamer package to create a presentation with features similar to PowerPoint.

## Challenge Details:

- Objective: Prepare a presentation replicating PowerPoint capabilities using LaTeX and Beamer.
- Previous Attempt: Minhajul Islam (from a previous class) successfully implemented all the features listed below.

## Required Features:

1. GIF Image: Include an animated GIF (use an existing one or create your own using Canva or similar tools).
2. Embedded Video: Integrate a short video with sound into your presentation.
3. Wipe-Out Animation: Utilize wipe-out animation effects for transitions, similar to PowerPoint.
4. Moving Objects & Text: Implement animation for objects and text on the slides (refer to the provided link for guidance: <https://tex.stackexchange.com/questions/527738/powerpoint-like-animations-with-beamer-and-the-animate-package>).
5. Single-Page Flowchart: Design and animate a flowchart or process diagram on a single slide, with each element appearing sequentially.
6. Animated Bullet List: Include a bullet/itemize list where each item animates in from the left side using wipe-out animation.
7. Interactive Text Color Change: Allow viewers to change the color of specific text sections with a mouse click.
8. Interactive Transparent Overlay: Implement a user-activated transparent box with a solid border that can be used to cover an object on a slide.
9. Animated Graph: Embed an animated graph within a slide (refer to the provided link for examples: <https://texample.net/tikz/examples/tag/beamer/>).
10. Animated Pie Chart: Create a pie chart with each segment appearing one by one in an animated sequence.