

ME 2110

CREATIVE DECISIONS AND DESIGN

Final Video Presentation Specifications

You will be delivering a video presentation the week following the competition. Each team will share their unique understanding of and solution to the design challenge and reflect on performance and potential improvements to both the understanding and solution. The presentation must contain the information and be understandable by someone who hasn't seen 2110 before. The videos should be professional but may include more casual elements as permitted by your studio instructor.

What makes a good presentation:

- Adequate communication skills, including engaging support materials and delivery
- Clear understanding of the problem and the key issues
- Clear exploration of the problem, customer needs, requirements, and potential solutions
- Evidence-based decision making in defining the problem and the formation of alternative solutions
- Insightful and innovative angles of the data collected and the issues analysed
- Clear evidence of critical and reflective thinking

Here are some major points you might include in a video:

- Outline: An overview of the unique points you are going to talk about
- Motivation: Introduce the problem at a high level, customers and needs
- Challenges: Introduce the problem in terms of engineering requirements, planning
- Strategy: Present system goals / strategy
- Final Design Summary: Describe assembled system
- Detail Design of Subsystems: Describe the individual tasks, bill of materials, specifications
- Results: Actual Performance
- Analysis of performance: What worked, didn't work, what you would change to improve the design (show alternative designs)
- Closing Summary: Recap successes, observations and future work

OPTIONS FOR FORMAT OF PRESENTATIONS

One or more techniques and resources can be used, including captions for the hard of hearing, CAD models, animation, voice-overs, sequence of images, time-lapse, soundtrack, diagrams, short text labels,

cartoons, excerpts from interviews, fragments of existing videos, etc. Appropriate citation of third-party materials using IEEE format is a must. The video must be clear, concise and self-explanatory.

1. All videos are to be posted on YouTube, and uploaded at the “Unlisted” privacy level. Once uploaded, you will provide the link to the video via e-mail to the studio instructor and the TA by the start of the studio session in which the video is due. **No late videos will be accepted.** You will also bring the link with you to your studio section so that you may play it for the entire studio. Do not wait until the last minute to upload the video, as it will take some time for the video to upload. Also, you are responsible to verify that the link that you provide is a fully functioning link. Therefore, it is highly recommended that you validate the link (watch the entire video) before submitting the link.
2. The official length of the video will be the one shown in YouTube, so be sure to verify that your video does not exceed the length specifications. Please note that uploading to YouTube often adds 1 or 2 seconds to the video length. So do not make your video length exactly to specifications. Make sure to provide yourself with 5 seconds of cushion, or so. *Videos having an official length of greater than the specified limit will not be viewed.*
3. All videos must provide team member names as well as team number and other identifying information such that they can easily be scored.

Here is a list of resources and pointers for you to consider:

- Online tutorials and resources
 - Powerpoint: <https://support.office.com/en-us/article/Turn-your-presentation-into-a-video-c140551f-cb37-4818-b5d4-3e30815c3e83>
 - Magisto (Android / iPhone App): <http://www.magisto.com>
 - Pixorial Krowds (Android / iPhone App): <http://www.pixorial.com/krowds/>
 - Powtoon: <http://www.powtoon.com/edu-home/>
 - Dvolver: <http://www.dvolver.com/moviemaker/index.html>
 - StripGenerator: <http://stripgenerator.com/strip/create/>
 - Turn your slides into a video: <http://office.microsoft.com/en-sg/powerpoint-help/turn-your-presentation-into-a-video-HA010336763.aspx>
 - Creating “slidcasts” step by step: <http://help.slideshare.com/entries/57609-Can-you-describe-how-to-create-a-Slidecast-step-by-step->
 - Movie Maker (Win): <http://windows.microsoft.com/en-gb/windows-live/movie-maker#t1=overview>
 - iMovie (Mac): <http://www.apple.com/sg/ilife/imovie/>
- Intellectual property issues
 - Public Domain, Royalty Free, and Creative Commons video: associatesmind.com/2012/04/09/how-to-find-public-domainroyalty-freecreative-commons-video
 - Fair use: <http://vimeo.com/help/faq/legal-stuff/fair-use>
- Uploading videos and formats
 - Tech support from youtube: <https://support.google.com/youtube/troubleshooter/2888402>
 - Vimeo video school: <http://vimeo.com/videoschool/lessons/beginner/sort:category>

