



Instructions for Peer Reviewers

ECE 47700 – Digital Systems Senior Design Project

Please first read the Guideline for Presentations Review document that was emailed to you and is available both on the course website and Brightspace.

We want you to give feedback on both the presentation methods and the technical content for the team presenting. The evaluation survey asks for a scored response (1 to 5 scale) for each of the nine required sections of the presentation and separately for four categories across the entire presentation.

The rating scoring scale is as follows:

5 = Excellent or Exceeds Expectations: They went above and beyond the requirements for that section or category.

4 = Good or Meets Expectations: They met all the requirements for that section/category but did not provide that extra something that made it really stand out.

3 = Average or Ok: They mostly met the requirements for that section/category, but something was missing or there were some problems or mistakes.

2 = Below Average or Does Not Meet Expectations: They missed a lot of the requirements for that section/category, there were a lot of omissions or mistakes.

1 = Poor or Unsatisfactory: They completely missed that section/category or there were so many omissions and/or mistakes that it was clear there was very little effort expended.

Your feedback will be anonymously given to the team presenting but will not count toward their presentation grade. Instead, we will be grading you on how well you do your peer reviews. We will be looking for consistency compared to other reviewers, good explanations for the scores given, and helpfulness and effectiveness of your feedback comments. The minimum requirements on your peer review feedback are as follows with the weighting shown:

- Did the reviewer provide a score for each section and category? (x1)
- Is the reviewer's score reasonably consistent with the other reviewers? (x1)
- Did the reviewer provide at least 2 helpful and effective feedback comments? (x3)

The presentation required sections and overall categories are listed below with more detail on the required expectations for each (with the weighting showing the grading importance to the presenting team):

The [link to the Qualtrics Survey](https://purdue.ca1.qualtrics.com/jfe/form/SV_8kb4hfOmjdrgkPs) is:

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Presentation Sections:

Project Overview (x1): A concise description of the project

- What is it?
- What will it do?
- What differentiates it from similar projects or products?
- Include a relevant picture, cad drawing, or “artist rendering” of the completed project.

Major Components (x1): For each major (electrical) components being utilized by your design

- a brief description of what it is
- relevant specifications
- what it will do in your project

Block Diagram (x1): one or more images of your system block diagram

- all relevant major parts and systems
- bus widths
- interface types

Packaging Design (x1): one or more images of your packaging design

- relevant dimensions
- how you are planning to manufacture your product packaging

Electrical Schematic (x3): one or more views of your electrical schematic

- various subsystems which are easily viewable
- complete
- organized
- readable

PCB Layout (x3): one or more views of your PCB Layout

- various subsystems are easily viewable
- complete
- organized
- readable

Prototyping Progress (x2): Describe your team’s prototyping progress - For each of your project’s major components:

- What has been tested?
- What is known to work?
- What still needs to be tested?
- What still needs to be proven to work?



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Software Development Status (x2): progress with software development –

- Listing of the major modules for your team's software
- Development Status of each listed module (Not yet started / In development / In testing / Completed)

Project Timeline (x1): Provide a timeline (or GANTT chart, etc.), starting from the current week until the end of the semester, detailing work to be undertaken in completing your team's project.

Overall Categories:

Technical content (x2)

- The objective/purpose was clearly presented
- Good explanations were provided for design decisions (component selection, layout and placement, interfaces, etc.)
- Methods and algorithms were clearly described
- All presenters had a clear understanding of the material presented
- The presenters were responsive to audience questions
- All materials (presentation, datasheets, schematics, PCB layouts, and assignments) are available on team website

Quality and use of visuals (x1)

- Good use of diagrams and graphics
- Diagrams and graphics were relevant in the context used
- Sized or zoomed to be readable

Organization/use of allocated time (x1)

- The main ideas were presented in an orderly and clear manner
- The presentation filled the allotted time without going over

Professionalism/presentation style (x1)

- The presenters spoke clearly and with confidence
- Good teamwork was demonstrated throughout the presentation
- Irrelevant or filler information was excluded
- Business semi-formal dress

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