

Project #: 4

Title: Adaptive Technology

Evaluator: Grant Dwyer

Outcome 3	An ability to communicate effectively with a range of audiences
Assessed	In MECH 447 Spring 2023; by the faculty attending final presentation

		Level of Achievement				Score
		Exemplary (Score: 4)	Proficient (Score: 3)	Apprentice (Score: 2)	Novice (Score: 1)	
Performance Indicator	1. Content.	Information is clearly conveyed to the audience. New concepts fully explained.	Information is sufficiently conveyed to the audience. Minor conceptual errors do not distract from overall impact.	Some information conveyed to audience. Some conceptual errors distracted from overall message.	Little information conveyed to audience. Major conceptual errors confused audience undermined credibility.	3.9
	2. Organization.	Sequence of information made sense and was easy to follow.	Sequence of information mostly made sense and was easy to follow.	Communication to audience was affected negatively by improper sequence or missing content.	Lack of proper organization resulting in audience struggling to follow along.	4
	3. Presentation.	Pace, volume, and enunciation excellent to very effectively convey the information. Quality of presentation (e.g., visual aids) adds to the audience's understanding.	Pace, volume, and enunciation sufficient to convey information. Quality of presentation (e.g., visual aids) do not detract from the audience's understanding.	Pace, volume, or enunciation off enough to distract from content. Quality of presentation (e.g., visual aids) detracts slightly from the audience's understanding.	Pace, volume, or enunciation off enough to distract from entire presentation. Quality of presentation (e.g., visual aids) significantly detracts from the audience's understanding.	3.85
	4. Q/A Session.	Questions from audience answered correctly and confidently to successfully help audience understand.	Questions from audience answered adequately.	Either questions were not answered correctly and adequately or the speaker was a little uncertain or hesitant.	Either the speaker cannot answer questions or is very uncomfortable.	4
Additional Comments: They discuss plans for the future. All qualitative, No quantitative.						Average Score: 3.93/4

Explains background & scope effectively.

Hit the fact that it is for future teams.

Deliverables are well explained.

Design constraints could have better explanation & specifics.

Concepts are explained well. No pillars or conflicts.

FEA is well explained & shown.

Convergence study graph is hard to read, however well explained.

Lots of pausing slightly unprofessional.

Latch is thoroughly explained.

Order of data is easy to follow.

Timeline is not presented in a graphical way, more so shown as a chart which goes against standard. However well explained.

Don't mention what the budget limit is, however they mention manufacturing cost.

Highlight final design.

Explicit what they kept & changed.

Covered how they prototyped it.

Schematic is easy to understand.

Explains testing plan.

Fixed errors in code & tested using soccer ball.

Made adjustments in wiring & stopping mechanism.