

DETECTS Fall 2020 - Critical Design Review

DETECTS Pre-Critical Design Review (PreCDR), Fall 2020

High School Team

PSA 1

Evaluation:

Presentation Introduction:

Title:

Very Good

Team:

Excellent

Team Identity:

Excellent

ACES RED 2B Mission:

Very Good

Design Requirements:

Design Requirements:

Very Good

Science Objective:

Potential Science Objectives:

Excellent

Science Objective Trade Study:

Very Good

Science Objective Chosen:

Very Good

Hypothesis:

Very Good

Science Traceability Matrix:

Very Good

Experiment Design:

Experiment Configuration:

Very Good

Concept of Operations:

Excellent

Programming:

Program Overview:

Excellent

Data Packet:

Good

Test Planning:

Testable Requirements:

Very Good

Functional Test Plan:

Excellent

Environmental Test Plan:

Very Good

Initial Functional Testing:

Good

Online Outreach Platform:

Online Outreach Platform:

Excellent

Online Outreach Content:

Excellent

Survey Data:

Good

Design Phase Summary:

Lessons Learned:

Excellent

Summary:

Very Good

Overall Impressions:

Slides Overall:

Excellent

Overall Presentation:

Very Good

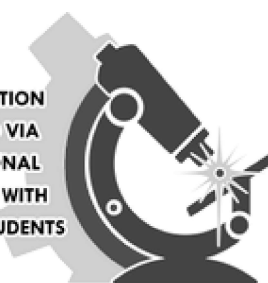
Overall Impression:

Very Good

Comments about your overall impression of slides and presentation:

Awesome group and great presentations. I believed they worked well in the group, did their research for the first phase. Great job!

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Evaluation:

Presentation Introduction:

Title:

Very Good

Team:

Fair

Team Identity:

Excellent

ACES RED 2B Mission:

Excellent

Design Requirements:

Design Requirements:

Very Good

Science Objective:

Potential Science Objectives:

Very Good

Science Objective Trade Study:

Very Good

Science Objective Chosen:

Very Good

Hypothesis:

Very Good

Science Traceability Matrix:

Good

Experiment Design:

Experiment Configuration:

Very Good

Concept of Operations:

Very Good

Programming:

Program Overview:

Very Good

Data Packet:

Very Good

Test Planning:

Testable Requirements:

Very Good

Functional Test Plan:

Good

Environmental Test Plan:

Good

Initial Functional Testing:

Very Good

Online Outreach Platform:

Online Outreach Platform:

Very Good

Online Outreach Content:

Very Good

Survey Data:

Very Good

Design Phase Summary:

Lessons Learned:

Very Good

Summary:

Poor

Overall Impressions:

Slides Overall:

Very Good

Overall Presentation:

Very Good

Overall Impression:

Very Good

Comments about your overall impression of slides and presentation:

Team is very knowledgeable in the items they have researched. Sounds like a great project - team is learning going forward

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Excellent

Team Identity:

Excellent

ACES RED 2B Mission:

Good

Design Requirements:

Design Requirements:

Fair

Science Objective:

Potential Science Objectives:

Very Good

Science Objective Trade Study:

Very Good

Science Objective Chosen:

Very Good

Hypothesis:

Excellent

Science Traceability Matrix:

Fair

Experiment Design:

Experiment Configuration:

Good

Concept of Operations:

Very Good

Programming:

Program Overview:

Very Good

Data Packet:

Excellent

Test Planning:

Testable Requirements:

Fair

Functional Test Plan:

Very Good

Environmental Test Plan:

Poor

Initial Functional Testing:

Excellent

Online Outreach Platform:

Online Outreach Platform:

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Online Outreach Content:

Very Good

Survey Data:

Excellent

Design Phase Summary:

Lessons Learned:

Excellent

Summary:

Very Good

Overall Impressions:

Slides Overall:

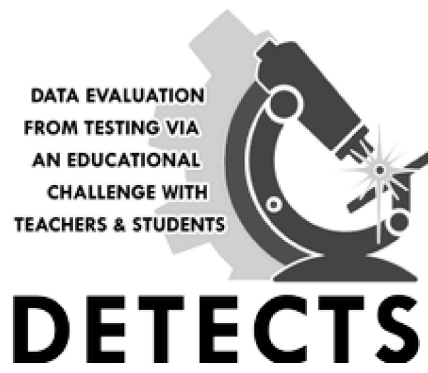
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Overall Presentation:

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Overall Impression:

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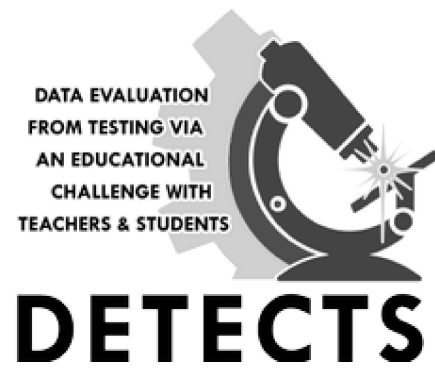
Overall Impression:

Excellent

Comments about your overall impression of slides and presentation:

The team members were very knowledgeable, engaged and well versed in their parts of the project. They handled the Q&A portion well.

i believe they are on track to have a viable experiment worthy of flying to an operating on ISS.



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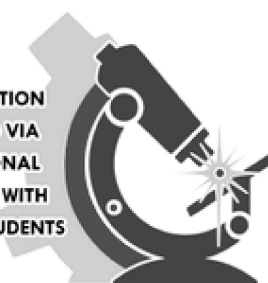
Overall Impression:

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Comments about your overall impression of slides and presentation:

Very good presentation. I can see that you have practiced a lot for this presentation and I can see the work you have put in this. I really enjoyed it. Good job.

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Overall Impression:

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Comments about your overall impression of slides and presentation:

Very organized and professional for a group of high school students. Great job! Please consider coming to UAH when you graduate!

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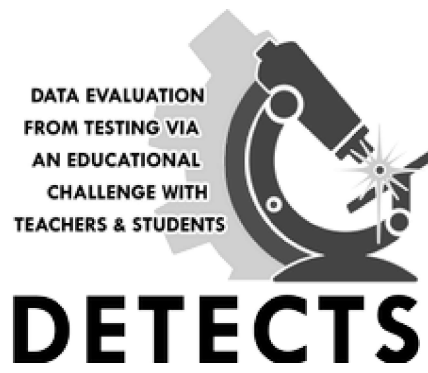
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Comments about your overall impression of slides and presentation:

Very poised and capable team. Question responses were superb. Team interaction seems superb. Testing is far ahead of schedule; hopefully testing is adequately robust because it takes experience to

realize how many unpredictable things can go wrong. Outreach is ambitious and active; hopefully the planned content will come to fruition; statistical analysis gets harder with small-group responses (like the one "Other" response as they already stated).



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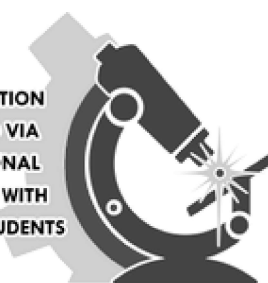
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Comments about your overall impression of slides and presentation:

Very well presented!

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Summary:

Very Good

Overall Impressions:

Slides Overall:

Excellent

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Overall Impression:

Excellent

Comments about your overall impression of slides and presentation:

This team did an amazing job. They were able to clearly and concisely present their project and future intentions with the upcoming testing. It was great that the entire team answered questions and had

thoughtful, relevant answers based on the work that they actually did. They also took the critiques and suggestions offered by the judges very well. It was also great that they were able to come up with a great concept and work well as a team with the limitations due to COVID-19. Overall, the team did a great job and I'm confident that they will have a great finished product.

