



Team #: _____

Judge's First & Last Name: _____

DIRECTIONS: Determine a point value that best characterizes the content of the Sr. Design Project for that criterion. Write that value in the column to the right.

2024 Sr. Design Rubric

| CRITERIA | EXPERT (7-9 Points) | PROFICIENT (4-6 Points) | UNDER-DEVELOPED (1-3 Points) | POINTS |
|--|---|--|--|--------|
| Demonstration of Design Process: 1) Critical Thinking, 2) Testing, 3) Exploring Alternative Solutions, 4) Innovation | Team demonstrates <u>all elements</u> of design process | Team demonstrates <u>some elements</u> of design process | Team demonstrates <u>little to no elements</u> of design process | _____ |
| Process of Overcoming Obstacles | Team <u>precisely explained</u> all steps, thought processes, & actions to solve obstacles. | Team <u>adequately explained</u> all steps, thought processes, & actions to solve obstacles. | Team provided <u>little to no explanation of</u> steps, thought processes, & actions to solve obstacles. | _____ |
| Quality of Product ¹ Design including Knowledge of Prior Art ² | <u>Novel product</u> solving a problem & exemplifies work of great value | <u>Redesign of existing product with added unique features</u> , & exemplifies value | <u>Redesign of an existing product with no unique features and minimal value</u> | _____ |
| Communication Professionalism Quality of Team's Verbal Interactions with Judge | <u>All team members</u> contribute coherently and concisely to project explanations & questions | <u>Some team members</u> contribute coherently and concisely to project explanations & questions | <u>Very few team members</u> contribute coherently and concisely to project explanations & questions | _____ |
| Communication: Quality of Display of Project | <u>Clear evidence</u> of thorough, well-crafted, organized, and polished display of project | <u>Some evidence</u> of thorough, well-crafted, organized, and polished display of project | <u>Little evidence</u> of thorough, well-crafted, organized, and polished display of project | _____ |

¹ "Product" refers to any device, system, process, software, etc. resulting from this design experience.

² "Prior Art" is any evidence in that your invention/project in any form is already known/patented.

NOTES:

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| TOTAL POINTS _____ |
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