Prosthetic Arm Challenge:

Oral Presentation Notes

# Title page **(1 minute)**

1. Give the name of your Team
2. Introduce your team members and responsibilities
3. Give the name of your prosthetic design
4. Thank the judges for their time

# Introduction- refer to your “abstract” from your technical paper **(2 minutes)**

1. A brief summary of your project-Abstract (2 minutes max)
2. Give an agenda- a chronological outline of what you are going to say
   1. Example: “First I will give background information on prosthetic arms, next I will talk about our purpose for pursuing this challenge, and lastly I will give an in-depth description of our design”

# Background Information- refer to the “introduction” section of your technical paper **(2 minutes)**

1. Provide an overview of your team’s design purpose or motivation
2. Give an overview of the research you conducted prior to starting your design
   1. Talk about one or two sources that were most influential to your design that relate to math/physics/ science concepts
      1. Ex. Articles on prosthetic arms- advances, uses, types of designs on the market, etc.
      2. Include “Given by Martha”

# Discussion of Design Process **(4 minutes)**

1. Discuss your teams software development
2. Discuss the rationale of your design
   1. Who would use this design? In other words, who is your customer?
   2. What materials did you use and what was the cost?
      1. Are the materials easy to attain and are they cost effective?
      2. How long did it take to design it?
3. Explain your prosthetic arm design
   1. Ex. How many fingers does it have? How do you active it?
4. What are the main functions of your design?
   1. Ex. Is it better at the distance accuracy task?
5. Challenges
   1. Point out one or two engineering/technology challenges
   2. How did you overcome these challenges?
6. Take-away (refer to your “conclusion” and “recommendations” section of your technical paper)
   1. How would take your design to the next level?

# Conclusion **(1 minute)**

1. Ask if the judges have any questions
2. Thank them for their time and consideration