Project Presentation Template

Format Requirements:

- The Project Presentation must be a single PDF document limited to no more than 12 pages.
- You must use a page size no larger than either American standard 8½”X11” or European standard A4.
- The pages should be created in Landscape mode.

Content Template:

Each of the seven (7) required sections must start on its own page and be in the order provided. Titles per section are provided as recommended titles, but alternate titles may be used. Each section may extend beyond one page as long as the total does not exceed 12 maximum pages.

1. Title

The following should be included:

- Project Title
- Finalist Name (s)
- School(s) and Grade Level
- City, Province, Country

2. INTRODUCTION - What is the problem you want to solve and why?

- What problem were you trying to solve? Include a description of your engineering goal.
- Why is it important to solve this problem? What’ s the social, economic, and environmental impact?
- Explain what research you have done on this problem. What is known or has already been done to solve this problem, including work on which you may build. You may include a brief review of relevant literature.
- If you did a survey, please include your survey questionnaire and the results of your survey.

3. DESIGN - Explain your process for coming up with this design.

- List out the criteria you must meet to solve this engineering problem
- List out the constraints you must meet to solve this engineering problem
- What is your designed solution? Please clearly describe your design in detail. Include a sketch of your design, and a list of materials used.
- Why do you choose this design? How does it work to solve the problem? How does it meet the criteria and constraints listed above?
- How is your solution different from what' s already been done? What are the advantages of your solution, if any?

4. BUILD - Explain the procedures for building your prototype.

- How did you build your prototype? List out the process, division of work (if in team) and key engineering techniques you used, including software programs, electrical components, materials used, structure design etc.
- List out any significant engineering obstacles you encountered and how you overcome them.
- Please include pictures of the final prototype.
- For IDEA category projects, even if a prototype is not created, you can provide details about the product's design and outline the plan for prototyping and anticipated challenges.

5. TESTING RESULTS - What were the testing result(s) of your project? (IDEA category projects could skip this section)

- What were your testing procedures? Where, when, and how did you conduct the testing?
- What data did you collect and what results did the data tell? Provide a summary of testing data tables and figures that illustrate your results. Include relevant statistical analysis of the data.
- How did your prototype meet your goal?
- What issues were discovered from testing? What did you do to change your design for a better result?

6. DISCUSSION & CONCLUSIONS - What is your interpretation of these results? What conclusions did you reach?

- What do these results mean? You may compare your results with theories, published data, commonly held beliefs, and/or expected results.

- How is your prototype an improvement or advancement over what is currently available?
- What are the limitations of your prototype? If you have more time and resources to work on it, what modifications will you add, or what key problems would you try to solve?
- To whom will you promote your product? Design a slogan for it, if you can.

7. REFERENCES & SUPPORT

- This section should not exceed one page.
- List all the technical, research, material and other assistances you get from others.
- List the references/documentation used which were not of your own creation (i.e., books, journal articles). Limit your list to the most important references.