Capstone Poster

Brief Details

Poster Includes:

- Abstract
- Introduction
- Materials and Method
- Results
- Analysis
- Conclusion and Recommendations
- Literature cited
- Acknowledgement
- General Layout

Abstract

- Brief description of the entire work that includes (entire project from Grand Challenge to chosen solution, purpose of the study, design requirements and prototype, testing results and conclusions).
- Understandable without reading the entire poster, writing is professional, organized, and well developed
- Generates excitement and desire to read more about the topic

Introduction

- Identifies the problem (From Grand Challenge) and the capstone challenge) and summarizes prior solutions (Attempts, strengths and weaknesses). General Wide Perspective
- Summarizes How the team's solution was chosen and how it addresses design requirements (you have to mention the design requirements) THAT WILL BE TESTED for the team's solution, Focus Narrow Perspective

Materials and Method

- Materials lists and/or illustrations, are summarized (Table with images notion ex. Fig 1).
- Description of how the prototype is constructed.
- The methods are clear enough (quantities and description) to be explained to another professional.
- summary of the all test plans for the prototype, a summary of each tests conducted for each design requirement

Results

- All types of results are presented, whether positive or negative, those results must be in your portfolio as a supporting documentation.

- Date is very clearly presented and organized in tables, graphs, and or other visuals. They should be easy to be read and contains the error +/- values

Analysis

- Ties results to the original question being addressed and to the Grand Challenge
- It must show how your prototype testing meets the designed requirements
- There should be graphs, demonstration, and images associated
- Explanation is supported by scientific laws and theories and provides evidence of learning transfer.
- It must be CLEAR, organized. It explains the main points or characteristics related to the results

Conclusions

- Conclusions part is very similar to Analysis Part.
- It's considered as rephrasing the analysis part but you must show the connection between results and analysis with the main objective of the project and how it is useful to solve the problem

- No figures or pictures should be in this part

Recommendations

- In Recommendation: projects must be discussed in details (Real design, Real location, Real calculations, Real usage, and real implementation with modern technology, future modifications than can be done with the prototype to develop its performance)

- Recommendations are practical and directed towards a future research, engineering, and application in order to have a better solution

Literature Cited

- At least 5 citations in APA style. Peer-review publications

- You MUST Know what information or benefit you gained from each citation (what was useful from each citation)

General Layout

- Illustrations, tables, figures, photographs or diagrams have unique identification numbers and a key to identify symbols. Text includes references to them Ex. Fig (1), Table (1)

- Include grade level, semester and academic year

(Grade 1, Semester 1, 2016/2017)

(Grade 2, Semester 1, 2016/2017)

(Grade 3, Semester 1, 2016/2017)