

# Title (one line is best; two is OK)

Team members: Name1, Name2, Name3

## Sponsor

Portland State University

Mechanical and Materials Engineering

## Project Objective Statement

The Project Objective Statement is a one sentence description of your project. Follow the format described in part 2 of the textbook.

## Motivation

Why is this important? You may want to replace the "Motivation" heading with something short and specific like "Reducing energy consumption" or "Automated pool rescue" (without the quotes).

After the heading, provide a brief, say 20 word, explanation or key fact. A picture or a plot that represents or shows the "problem" would be effective. Adjust the height of this box as necessary. For example, you probably need to make the box taller if you use a picture.

## Key Customer Requirements

Key Customer Requirements List 3-5 key requirements in abbreviated form. No long explanations! Use words another engineering student or someone unfamiliar with your project would understand. Faster than a speeding bullet More powerful than a locomotive Compatible with iOS and Android Waterproof! Goes well with plaid and stripes

Placeholder  
Image

Figure 1:Figure caption

## Design Concepts

You may want to change the title to reflect some important aspect of the design concepts

Show images of conceptual design solutions

Placeholder  
Image

Figure 2:Figure caption

## Subsystem Decomposition

Show images to reflect how conceptual design solutions are manifest as subsystems

Placeholder  
Image

Figure 4:Figure caption

Placeholder  
Image

Figure 5:Figure caption

## Final Design

Make sure your final design concept is the most prominent image.

Placeholder  
Image

Figure 3:Figure caption

## Measured Performance

Show concrete, quantitative evidence that your device works. Show how, and to what degree, your design meets the key customer requirements. Plots, photos of the device in action, or tables of results would be good to add. However, do not cram too much information into the space. In fact, there are too many words in this box in this template.

Placeholder  
Image

Figure 6:Figure caption

## Lessons Learned / Future Work

Do you have advice for other Capstone teams? Is there something you would do differently? Try to frame this advice from a positive, encouraging perspective. If you have recommendations for continuing this project, list those recommendations here.

## Thank You

List people and companies that provided resources and assistance. For example this would be a good place to acknowledge your external sponsor. Be specific, yet brief, about how they helped you.

## References

- [1] J. M. Smith and A. B. Jones.  
*Book Title*.  
Publisher, 7th edition, 2012.
- [2] A. B. Jones and J. M. Smith.  
Article Title.  
*Journal title*, 13(52):123–456, March 2013.

## Contact Information

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PLACEHOLDER  
L O G O

 Portland State  
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