

## Proof of Concept Presentation

A Proof-of-Concept demonstrates that the underlying approach being pursued is valid and will achieve the desired function. Typically a Proof-of-Concept is a hardware demonstration illustrating the performance of the high risk components of the design. In a small number of 156 projects, hardware tests are not possible at this stage, and Proof-of-Concept demonstrations are illustrated with software simulations (but there needs to be a good reason why hardware cannot be used).

Prepare a 12 minute (we will adhere to time limits) presentation that includes:

1. A **very** brief overview of the problem definition
2. A brief overview of the current status of the project
3. List the high risk components of the design and key decisions that need to be made in the project
4. Present the results of the Proof-of-Concept demonstration and what was learned
5. List remaining questions and concerns that need to be resolved
6. Describe key **analytical methods** used in project. Make sure to describe the objective of the analysis, assumptions, analytical methods, results, and significance of results. As always include good figures.
7. Show a timeline for the project showing how the prototype will be completed for the week 9 hardware review at the sponsors. Include:
  - List of items to be purchased and timeline
  - List of items to be machined and timeline
  - Show a Gantt chart with task assignment for the rest of the quarter

Example of Good Proof Of Concept Presentation: [Dark Cool Helmet](#)

[Oral Presentation Guidelines](#)

[Link for the Grading Rubrics](#)