



Research Plan (Engineers)

Before you start your experiment, a Research Plan must be written and submitted to the FRSEF for approval. This paper is simply an overview of your project – why you want to do it, what you plan to do, and what you think will happen.

Rationale:

Give a brief overview of the background that supports your project. Explain why this topic interests you, and why research is important. Explain any possible societal impact of your research if there is any.

Research Question(s)/Problem(s):

Briefly state the problem(s) you want to solve.

Engineering Goals:

Explain how you hope to solve the problem(s).

Expected Outcomes:

Expand on your goals. What do you expect to happen? How does this relate to your rationale described above?

Procedures:

Detail all procedures and experimental design including methods for data collection. Describe only your project. Do not include work done by others.

Data Analysis:

Describe the procedures you will use to analyze the data/results.

Risk and Safety:

Identify any potential risks and safety precautions needed.

Bibliography:

List major references (e.g. science journal articles, books, internet sites) from your literature review. If you plan to use vertebrate animals, one of these references must be an animal care reference.
