Project Proposal

Project Title:

Author: <<Last>>, <<First>>

Date:

Project Description:

The overall aim of this project…. Or The hypothesis of this project is…..

This includes a statement of what you will do within the scope of the project, followed by what you expect to happen as a result based on your background information.

Background:

[Explain the context of the project and why it is needed (i.e., the problem statement, research question, or need statement).]

First sentence: For a research project: a good researchable question (Phrase 1) that describes the IDV and DV (one or more) that are set and measured directly. Ex: “How does IDV affect the DV?” For engineering projects: this is the problem statement (Phrase 1). The problems listed will be addressed in the project.

Second Sentence: For a research project, this would be the hypothesis “If IDV increases, then DV will increase/decrease, because [with relationship]?” For engineering projects: this would be the engineering goal that addresses the problem, generally enough not to box you into a specific path/solution, and includes the most important criteria. “The goal of this project was to engineer a system to…”

Body of Background: [Explain the context of the project and why it is needed.]
Concepts and skills necessary to understand the topic. Divide this section into bold sub-type headings to indicate changing topics. Include in-text citations (Crowthers, 2019). Pictures or graphs can be included to supplement your background but should not take up the entire required page limit (1-2 pages- single-spaced). A minimum of 6 references should be used to justify your project.

Experimental Design/Research Plan Goals:

Major Parts of the Project (rough outline) will continue to evolve over time and should be updated frequently. Make sure the goals are SMART-oriented.
List IDV, DV, standardized variable/controls, experimental/control groups, iterations, etc., process of product design.

Materials List
Procedure

Risk/Safety Concerns:

Potential Safety Concerns and how they will be addressed.

Data Analysis:

How the Data will be Analyzed.

References: (In APA Format with in-text citations):

Timeline: (with action steps identified- sub-deadlines will continue to evolve):

Rough timeline of major phases. As these phases get established, specific tasks under these phases will be defined further.