

**Concept Introduction**

This document will basically provide a high level overview of your project. In it, you will define the problem you are trying to solve. What are the expected inputs and outputs and such.

This document should have the following structure and the following headings/subheadings:

**Cover page**

- Department, University
- Project Title
- Your name
- Instructor
- Date

**Abstract**

A single page that concisely defines what your project is, its significance, and what you intend to design and implement (between 100 and 200 words).

**Description**

This could be defined as the *what* you are doing.

Answer the following (between 200 and 400 words):

- What are the main goals of your project?
  - It may be helpful to lump your goals into core, hope, and dream tasks. Core tasks are those that will definitely be included. Hope tasks are those that you hope to have time for. Dream tasks would be the ultimate challenge if you accomplish the other 2.
- Who are the intended users? And/or how is your project going to be used? Who will benefit from this?
- What are the main things that you will actually do?
- What components are you going to utilize (hardware, software, etc...)?

**Significance**

This could be defined as the *why* you are doing this project.

(200 - 400 words)

- Why do you think this project will be worthwhile? Why do you find it exciting?
- Why should this be done? Are you innovating anything?
- Are there similar or related projects (what are they? list a few)
- Does this have any business, open-source, or market potential? If so, why? If not, why?

**Implementation**

This section could be defined as the *how* you are going to do it. (200-300 words)

- How do you propose to accomplish your goal?
- How are you going to measure whether your goal was accomplished or not?
- You are going to need to keep a time log of your project. How are you going to keep this?