A blue letter p on a black background

AI-generated content may be incorrect.

(Project Title)

*Design Concepts and Overview*

Department Project ID

Name

Email

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# Introduction

*Introduce your project as required; what it is, what you hope to accomplish, etc.*

## 1.1 Scope

*Highlight the scope from your project proposal*

## 1.2 Requirements

*Highlight your success criteria – again this can be copied from your project proposal but please give concrete numbers!*

## 1.3 Timeline

# 2.0 Design A

*Repeat designs as needed*

## 2.1 Background

*Any important background information to provide context to the reader should go here. This is topics like important technical backgrounds (i.e. what a Smitt chart is). Feel free to use sub-sub headings!*

## 2.2 Functional Overview

*Explain how this design works, and how it will achieve your requirements. It doesn’t have to go down to a step by step level, but try and be specific as possible. Feel free to include block diagrams!*

## 2.3 Component Selection

*Highlight any important components chosen in this section, and why. Only include if relevant. May be replaced with Library Selection if applicable to Software*

## 2.4 Fabrication

### 2.4.1 PCBs

*Include the designs for PCBs, highlighting any important design choices. Only include if relevant*

### 2.4.2 CAD Drawings / Renders

*Include any relevant CAD designs, again documenting design choices. Only include if relevant*

### 2.4.3 Functional Implementation

*Include any important software implementations, e.g. any classes or methods used and how they work. Only include if relevant*

## 2.5 Reasons for Design

### 2.3.1 Justification

*Highlight why this design has been chosen*

### 2.3.2 Challenges

*Highlight any things that may go wrong with the design*