

*(This is the Title Page, no specific style is required, but you need to include the **Title of the Report** as a minimum)*

Abstract

The abstract is a concise summary of your report which provides one to two sentences on each of the following:

- *Brief background and context of the project*
- *What the project aims to do*
- *The methodology the project has adopted*
- *The key result(s) of the project*
- *A take-home conclusion*

Table of Contents

Introduction

Background

Background (or context) should provide the necessary domain knowledge for the reader. This is where you could demonstrate knowledge of the problem domain and cite relevant research you have conducted.

Problem Statement

Transition from the background, clearly state the problem or opportunity, and how it is motivated from the background discussion. The opportunity needs to be justified based on research or other credible sources.

System Narrative

Following your problem statement, provide a narrative of the system to be developed to address the problem. It can be derived from research, stakeholder engagement and/or readings. Make sure you acknowledge the source of this. Here is another opportunity to demonstrate your domain knowledge.

Aims and Objectives

Formulate the aim and objectives so they can address the problem statement.

Technical Results

You are NOT required to re-state the architecting process and methodologies that you learned from the lectures; we expect you to apply them and demonstrate you really understand them in this section.

*Remember you need to provide your system model file separately. As such, you do not need to paste all the diagrams you produced into the report; but do refer to the title of the diagram in the model file instead if there is no figure. You can paste and make annotations to a (partial) diagram(s) to demonstrate some specific points made in your discussion as necessary. A cluttered report with unnecessary inclusion of diagrams or unreadable diagrams will result in a deduction in marks. IMPORTANT: you are required to **critically discuss and analyse** the models that you created, NOT to restate and describe them textually what is in the diagram!*

Functional Requirements Definition

Functional Decomposition, Elaboration and Allocation

System Structure Definition

System Interface Definition

Alternative Behaviours

Architecture Analysis

We expect to see architectural level analysis based on what you have modelled and researched. Use simple scientific models where necessary. Do NOT design the system here.

Conclusion

System Specification

Provide a detailed specification of the system

Achievement of Aims and Objectives

Summarise your work here to demonstrate that the aims and objectives are achieved.

Highlights and Recommendations

Conclude your work. Do not repeat what you have already said previously, take a step back now and highlight the key outcomes of your work, its significance and implications in a wider context.

References

List the references you have cited in your report. Use a consistent style

Bibliography

List additional reading materials of useful and interesting to the readers. These works are not directly cited in your report.

Appendices

Include appendices as appropriate