# Final Project Report Template



**Final Year Project**

**Department of Computer Science**

**Project Final Report 2019/20–**

**Complete and print the Project Report; sign and submit three copies to projects coordinator.**

**Section – A**

**Student No:**

**Student Name:**

**Course:**

**Email:**

**Section – B**

**Title of Project:**

**Project No:**

**Supervisor:**

K**ey Areas:**

**Section – C**

**Student Signature:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Date Submitted:**

**First Supervisor Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**First Supervisor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date Approved: \_\_\_\_ / \_\_\_\_ / \_\_\_\_\_**

**Abstract**

􀂉 What is the subject matter of the report: what did you do?

􀂉 Motivation: why did you do it?

􀂉 Significance: what are your findings and conclusions?

􀂉 The abstract should be approximately 200 words long. It normally takes at least four revisions to achieve a good abstract

**Table of Contents**

􀂉 Chapters

􀂉 Sections

*Go to references then choose the first icon in the toolbar (table of contents).*

***List of Tables/Figures***

If the report contains figures or tables a list of these should be provided. The list should give the table or figure number, the title of the table or figure and the page number. If only a few tables and figures are present, they may be treated on one page. Remember that all figures and tables used must be referred to in the text. For example “The class diagram shown in Figure 2.1 ....”

*Go to references and then choose Insert table of figures*

**Acknowledgements**

Try to highlight and express gratitude to

􀂉 Help from your supervisor

􀂉 Help from friends, colleagues, and staff.

􀂉 Support from companies

􀂉 Support from Parents, etc

# Chapter 1. Introduction

# 1.1 Introduction and Motivation

(2-4 pages) describing what your project is a bout and why it is so important.

# 1.2 Problem specification

(2/3 page) What is the problem that you want to solve?

# 1.3 Goals & Objectives:

*what* was to be achieved?

Motivation: *why* undertake the project?

Method: *how* was it undertaken or carried out?

# 1.4 Overview of the technical area, i.e. background technical context

# 1.5 Overview of the report:

what material will you be covering and how is it arranged?

# Chapter 2. Background

# 2.1 Details of relevant theory

# 2.2 Review of past/reported work

# 2.3 Brief introduction of the proposed work/solution

# Chapter 3. System Analysis: System Model and System Architecture

Main work, solution approach, theory, simulation software,

Use UML notation to develop your diagram.

**3.1 Product Description**

**3.1.1 System Objectives**

**3.1.2 System Main Features**

**3.1.3 Operating Environments**

**3.1.4 Constrains**

**3.1.4 Functional Requirements**

**3.1.4 Non-Functional Requirements**

**3.2 Functional Decomposition (Use Case Diagram)**

**3.2.1 Actors (actor list and description of their roles)**

**3.2.2 Use Cases (summary of the use case, full use case description in the Appendix)**

**3.2.3 Use Cases Diagram**

**3.3 System Models**

**3.3.1 Class Diagram**

**3.3.2 Sequence Diagram**

**3.3.3 Activity Diagram**

**3.3.4 State Chart Diagram**

**3.3 System Architecture**

**3.3.1 Sub-System (descriptions of the sub-systems and their services)**

**3.3.2 Software Architecture**

**3.3.3 Deployment Diagram**

**3.4 Data Management**

**3.4.1 Data Models (object relational mapping, relational data model, normalization)**

# Chapter 4. Implementation

# 4.1 Software development platform

# 4.2 Code design

# Chapter 5. Testing

# 5.1 Verification:

􀂉 Did I construct the correct system (*i.e.* does it satisfy the requirements)?

# 5.2 Validation:

􀂉 Did I do construct it correctly (*i.e.* does it meet the specification)?

􀂉 Test scenarios (simple and complex)

# 5.3 Evaluation:

􀂉 How does it compare with other systems

􀂉 Qualitative assessment of performance

􀂉 Quantitative assessment of performance

􀂉 Metrics for measuring performance

# Chapter 6. Discussion

# 6.1 Summary of work done

# 6.2 Critical appraisal of work done

# 6.3 Proposal for enhancement or re-design

**Chapter 7: Conclusion**

**7.1 Review of the project and reiteration of important findings**

**7.2 the work to be done in the second semester**

# References

Use Harvard style for citations and references

# Appendices

􀂉 Use Case Specifications

􀂉 Glossary (or data dictionary)

􀂉 Software listings

􀂉 Code

􀂉 Original System Specification