



Faculty of Computers and Information

Department of Information Systems

Graduation Project

Final Report Guidelines

2017/2018

It would be a good idea to arrange your topics as chapters when you compile your report. Here we have created for you a template which we strongly believe will guide you when you try to compile your report. If you are not sure about some points please approach your supervisor for clarification.

Please note that:

- 1- In the first semester the project team will finish chapter 1, 2 and 3.
- 2- In the second semester, the project team will revise all contents that have been done in the first semester and add chapter 4, 5, 6,7 and 8
- 3- All bullets titles are prepared in semester 1 and revised in semester 2.

Your final project report shall cover the following sections in the given order

- **Title (separate page)**
- **Acknowledgements (separate page)**

Mention any help you have obtained from any source to complete your project. This might be your family, friends, and supervisor and so on.... Also it is a good idea to mention the college as it provided you with the right infrastructure and equipment.
- **Table of Content (separate page)**

You create this once you have done with your report. Most Microsoft word can create for you table of content automatically.
- **Lists of Tables (separate page), if you have decided to include it**

It is highly recommended to include lists of tables if your report contains lots of tables. As Example

 - Table 1: *table title* *page #*
 - Table 2: *table title* *page #*
 - ... and so on.

Again this could be optional for your report. Utterly depends on the number of tables your report consists.
- **Lists of Figures (separate page), if you have decided to include it**

It is highly recommended to include lists of tables if your report consists of lots of tables. As Example

 - Figure 1: *figure 1 name* *page #*
 - Figure 2: *figure 2 name* *page #*
 - ... and so on.

Again this could be optional for your report. Utterly depends on the number of tables your report consists.

- **Abstract**

Write this section once you have done with your report. Abstract is a brief statement that contains the most important points of your report. Mention or highlight the main point that elucidates the content of your report. From abstract your manager or boss could be able to comprehend the objectives of your project. Do not include any picture or image just plain text

Chapter 1: Introduction

This should include subsections as follows

1.1 Overview

An overview is a general summary of your report. It gives the whole picture of your project.

1.2 Objectives

Are the activities your project undergo to meet its purpose.
How your project specifically achieve its purpose or goal.
These must be specific, measurable, achievable, and realistic and time specific

1.3 Purpose

A purpose is a target or output of your project. something that your project aspires to achieve.

1.4 Scope

Mention the scope or range of the project. Scope means the work involved to finish the project. For example planning, designing, coding, testing and documentation

1.5 General constraints

Mention things that hindered (prevented) your project from being finished on time. This could be due to time constraint, the scope was not clear, collecting raw data for simulation was not easy to access.

Chapter 2: Project “Planning and analysis”

2.1 Project planning

2.1.1 Feasibility Study

2.1.2 Estimated Cost

2.1.3 Gantt Chart

2.2 Analysis and Limitation of existing system

Mention what are the main limitations of the current system. What are the things that making the current system operate slowly?

2.3 Need for the new system

With evidence fully support why you have to migrate from the old system. What are the weaknesses of the old system that let you think it is a good idea to develop a new system?

2.4 Analysis of the new system

2.4.1 User requirements

- 2.4.2 System Requirements
- 2.4.3 Domain Requirements
- 2.4.4 Functional Requirements
- 2.4.5 Non- Functional Requirements
- 2.5 Advantages of the new system
Here simply mention the advantages of the new system
- 2.6 Risk and Risk Managements

Chapter 3: Software Design

- 3.1 Design of database (ERD or Class) Diagram
- 3.2 Use case diagram
- 3.4 sequence diagram
- 3.5 activity diagram

Chapter 4: Implementation

- 4.1 Software architecture
Here you have to mention about both the software in the client and server side. You have also to show the communication between the client and server diagrammatically. Briefly mention the technology used for client/server communication. Also try to explain the object-relational mappings which facilitate data transfer between client and server
- 4.2 Pseudocode, Flowchart or workflow
Mention the communication steps between the client and server.

Chapter 5: Testing

- 5.1 Unit Testing
- 5.2 Integrated testing
- 5.3 Additional Testing

Chapter 6: Results and Discussion

- 6.1 Results
 - 6.1.1 Expected result
Mention what your project supposed to do. What is the theoretical result?. All what you have to mention here as if the project will work 100%
 - 6.1.2 Actual results
This is the actual result what you have achieved from the project.
- 6.2 Discussion
The discussion shall include the differences between the expected and actual result. For example why your actual result failed to be the expected result

Chapter 7: Conclusion

Divide your conclusion into 2 paragraphs. First paragraph should include summary of your report including your achievement Second paragraph your recommendation how to enhance the project if you are given the right resources.

Chapter 8: Future work

Here you have to mention the future work involved to improve the project.

- **Bibliography**

Bibliography lists all the materials that you have consulted while writing your report. It is not cited directly in the text. Include all books, magazines, periodicals, websites and scientific papers, which you have referred during your project.

Appendix

If your report has long codes, calculations, pictures, maps, graphs, illustrations, photographs, survey questionnaires, personal reflections, interviews, and other additional information put this as appendix. The purpose is the body of your report should remain clean.