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| program-ciat2020 |  |

Undergraduate Project Report

2021/22

**Project Title**

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| --- | --- |
| Name: | xxxxxxxxxxxx |
| School: | International School |
| Class: | xxxxxxxxxxxx |
| QMUL Student No.: | xxxxxxxxxxxx |
| BUPT Student No.: | xxxxxxxxxxxx |
| Programme: | Choose an item. |

**Date: dd-mm-yyyy**

Table of Contents

[Abstract 2](#_Toc29809113)

[Chapter 1: Introduction 4](#_Toc29809114)

[1.1 Format 4](#_Toc29809115)

[1.1.1 Format for headings 4](#_Toc29809116)

[1.1.2 Format for body text 4](#_Toc29809117)

[1.1.3 Format for equations 4](#_Toc29809118)

[1.1.4 Format for figures 4](#_Toc29809119)

[1.1.5 Format for Tables 5](#_Toc29809120)

[Chapter 2: Background 6](#_Toc29809121)

[Chapter 3: Design and Implementation 7](#_Toc29809122)

[Chapter 4: Results and Discussion 8](#_Toc29809123)

[Chapter 5: Conclusion and Further Work 9](#_Toc29809124)

[References 10](#_Toc29809125)

[Acknowledgement 11](#_Toc29809126)

[Appendix 12](#_Toc29809127)

[Risk and environmental impact assessment 13](#_Toc29809128)

# Abstract

The abstract should be a short overview of the whole report (200-300 words maximum). It should give the reader enough information about your whole project to know what you have tried to do and whether you were successful.

**摘要**

This is the Chinese translation of the Abstract.

# Introduction

The *Introduction* is one of the most important parts of your report as it gives a brief overview that will make the reader understand (i) what you set out to do and (ii) what you achieved. Many readers will read the *Introduction* first and then the *Conclusions* to get an overview before reading the detail – so it is important that both sections are very carefully written.

It is very important that *Introduction* introduces the **report** and the **project** – it is not there to introduce the subject in general.

There are no rules on how to write an introduction, but it should include what the project is about, give *a very short description* of the technical context in which the project is carried out and explain the motivation for the work. If you are doing an implementation project it must explain what functionality the system **realises**, and if you are doing a research project what is the novelty of the approach used.

Very importantly, it should clearly indicate what you have done for the project.

A good introduction should be no more than 4 pages.

## Format

### Format for headings

Format for level 1, 2 and 3 headings is given in this template; just choose the relevant style from the format list.

### Format for body text

Font size should be 12pt, 1.5 line spacing in and justified. Do not indent the first line.

### Format for equations

Equations should be centred with a numbered caption on the right; an example is below:

|  |  |  |
| --- | --- | --- |
|  |  | (1) |

### Format for figures

Figures should be centred and followed by captions. Captions should be centred, 10pt font Times New Roman Bold. Use automatic numbering without chapter number for captions. Select “Caption” from Styles and Formatting to format captions.

Whenever you include a figure in your document you must reference it in the text e.g. this is a reference to Figure 1 using an MS Word **cross-reference** for the figure number.

When presenting graphs, make sure you label the axes and include units where applicable. Also include a legend (i.e. key) where appropriate.

Figure Comparison of energy components

### Format for Tables

Unlike figures, the caption for a table should be before the table; Table 1 shows an example of the correct layout.

Table : Example Table

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |

# Background

In this part of the report, you should give all the relevant background information about your project. Remember that your reader will not necessarily know the background technology you are using, so it is worthwhile to let them know.

Also if your project is a research project, this is a good place to put down the related work or state of the art in the area – what the others have done? And why your research is novel?

But don’t make the background 20 pages long with every detail. It should be relevant to your project, with all the necessary information, written nicely and crisply.

# Design and Implementation

Normally there will be a part about the design and implementation of the system, especially for an implementation type of project. However, every project has its unique phases so you should talk to your supervisor about it.

# Results and Discussion

Most projects will have results, especially for a research project. But again you should talk to your supervisor about it.

# Conclusion and Further Work

The conclusion is an important part of the report, as it states what you have done for the project. It also concludes the findings of your research or the outcome of implementing a system.

A good conclusion will NOT repeat what you have done, but set out the achievements very crisply (2 pages should be sufficient).

Further work can be the next step of your research, or some functionality that can be added to the implementation to make it more practical.

NOTE: The maximum length of the report up to here is 50 pages.

References

Everything you cite from other sources should be properly referenced. The QMUL Faculty of Science and Engineering has identified the Harvard and Vancouver referencing styles as the recommended styles for project reports. Details about the referencing style and examples can be found online. <https://qmplus.qmul.ac.uk/course/view.php?id=6819>

Here are some examples:

**Books:**

Pitts, J. M., & Schormans, J. A. (2000). *Introduction to IP and ATM design and performance: with applications and analysis software.* New York: John Wiley. (047149187X)

**Journals:**

Chiau, C.C., Chen, X., & Parini, C. (2003). Multiperiod EBG structure for wide stopband circuits. *IEE Proceedings-Microwaves Antennas & Propagation, 150,* no.6, 489-92.

**Conference papers:**

Papadopoulos, S., & Parini, C. G. (1998). FDTD scattering by a dielectric strut in large geodesic space-frame radomes. In *International Symposium on Electromagnetic Theory. Proceedings. 25-28 May, 1998* (Vol.2, pp. 721-3). Thessaloniki: Aristotle University.

**Online sources:**

Abbott, K. (2004, May). *Finding information for Electronic Engineering, Engineering, Materials and the IRC in Biomedical Materials.* Retrieved May 27, 2004, from Queen Mary, University of London Library Web site: <http://www.library.qmul.ac.uk/>

Acknowledgement

Give your acknowledgement to people who helped you during the project here. Maximum length of this section is 1 page. You may thank your supervisor but DO NOT MENTION YOUR SUPERVISOR’S NAME HERE.

Appendix

You must include the following here, in the order of:

* Specification, part 1 and part 2
* Early-term Progress Report
* Mid-term Progress Report
* Supervision log

NOTE: all of the above must be the final versions submitted to QMPlus.

Risk and environmental impact assessment

Please refer to the project handbook section 3.6.13.