

# **UIC Final Year Project I Thesis L<sup>A</sup>T<sub>E</sub>X Template**

by

Zhang San, John

(16300\*\*\*\*\*)

A Final Year Project Thesis (COMP4004; 3 Credits)

submitted in partial fulfillment of the requirements

for the degree of

Bachelor of Science (Honours)

in

Computer Science and Technology

at

BNU-HKBU

UNITED INTERNATIONAL COLLEGE

June, 2019

## DECLARATION

I hereby declare that all the work done in this Project is of my independent effort. I also certify that I have never submitted the idea and product of this Project for academic or employment credits.

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**Zhang San, John**

**(16300\*\*\*\*\*)**

**Date:** \_\_\_\_\_

**BNU-HKBU**  
**United International College**  
Computer Science and Technology Program

We hereby recommend that the Project submitted by Zhang San, John entitled "UIC Final Year Project I Thesis L<sup>A</sup>T<sub>E</sub>X Template" be accepted in partial fulfillment of the requirements for the degree of Bachelor (Honours) of Science in Computer Science and Technology Program.

\_\_\_\_\_

**Date:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## **ACKNOWLEDGEMENT**

I would like to express my great gratitude towards my supervisor, Prof. LI Si who had given me invaluable advice to this project.

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## **ABSTRACT**

The abstract part should give the abstraction of this paper, including the goals, motivation of this thesis. It is required that the number of words in the abstract should be between 150 words to 250 words.

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# 1 Front pages

The front pages include the following pages that support this thesis.

- Title page: This is the first page of this thesis.
- Declaration page: This page declares the original and independent work by the author. See the second page of this template.
- Acceptance page: This page is to be signed by the Project Supervisor and the Observer if they find the Project Report acceptable.
- Acknowledgement page: This page should include the contributions made from supervisor(s), appreciation extended to supervisor(s), and parties who should receive recognition for their part in the project.
- Table of contents: This page includes the major headings and titles of all the tables and figures should be listed.
- Abstract page: An abstract should contain not more than 250 words on a separate page summarizing the essentials of the research work including the objectives, introduction, methodology, results, discussions and conclusions.



## 2 Main Text

This section introduces the main text part. The main text is usually separated into several subsections. Chapter sections (Like Section 1, Section 2 and so on) should start at a new page.

### 2.1 Flowchart

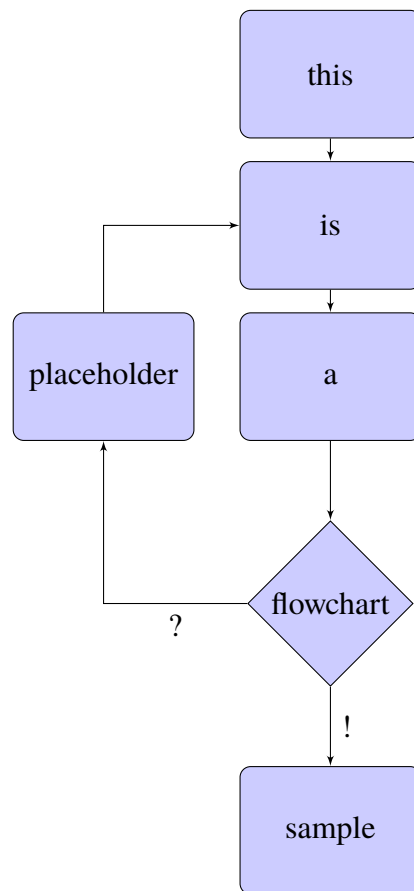


Figure 1: A Flowchart sample



Figure 2: External Picture Example: Landscape of BNU-HKBU UIC

## 2.2 Subsections

Subsections are usually go to second or third levels in depth. This is heading 2 section.

### 2.2.1 Heading 3 section

This is heading 3 section.

### 2.2.2 More sections

If there are more sections, it is not suggested that more numbering levels are used. We can use the following way in give the fourth level section.<sup>1</sup>

## 2.3 L<sup>A</sup>T<sub>E</sub>X Functionality Demo

### Math Equation

$$\frac{1}{1 + \frac{1}{2 + \frac{1}{3 + x}}} + \frac{1}{1 + \frac{1}{2 + \frac{1}{3 + x}}} \quad (1)$$

$$\mathbf{B}(P) = \frac{\mu_0}{4\pi} \int \frac{\mathbf{I} \times \hat{\mathbf{r}}'}{r'^2} dl = \frac{\mu_0}{4\pi} I \int \frac{d\mathbf{l} \times \hat{\mathbf{r}}'}{r'^2} \quad (2)$$

### Pseudo Code

---

**Algorithm 1** Euclid's algorithm

---

```
1: procedure EUCLID( $a, b$ ) ▷ The g.c.d. of a and b
2:    $r \leftarrow a \bmod b$ 
3:   while  $r \neq 0$  do ▷ We have the answer if r is 0
4:      $a \leftarrow b$ 
5:      $b \leftarrow r$ 
6:      $r \leftarrow a \bmod b$ 
7:   end while
8:   return  $b$  ▷ The gcd is b
9: end procedure
```

---

**Url & href** UICCST Website: <https://www.uiccst.com>; UIC Homepage

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<sup>1</sup> footnotes working fine

**Table & Tabluar**

Model	Year	SoTA?	Author
BERT	2018	Yes	Jacob Devlin, Ming-Wei Chang, Kenton Lee, Kristina Toutanova
MT-DNN	2019	Yes	Xiaodong Liu, Pengcheng He, Weizhu Chen, Jianfeng Gao
XLNet	2019	Yes	Zhilin Yang, Zihang Dai, Yiming Yang, Jaime Carbonell, Ruslan Salakhutdinov, Quoc V. Le

### **3 Fonts and Format and Binding**

The font is Times New Roman. The font size for text is 12 pt. The font size is 16 pt for heading 1 and 14 pt for heading 2. The main text must be justify-aligned. The left, right margin is 2 cm around and the top, bottom margin is 2.5 cm around. The students should prepare two hard copies, one is sent to the supervisor, and another is sent to the FYP coordinator. Besides this, each student should also send a soft copy to supervisor.[1]

## **4 Reference, Citation and Conclusion**

Each thesis must offer the references materials in the end. For all the references, they are supposed to be cited somewhere in the thesis.

The work in the thesis should be summarized and put in the conclusion part.[2]

## 5 References

- [1] D. Gusfield, *Algorithms on Strings, Trees and Sequences*. Cambridge, UK: Cambridge University Press, 1997.
- [2] American Psychological Association, *Publications Manual*. Washington, DC: American Psychological Association, 1983.

## Appendices (optional)

If there is anything that is offered to support the thesis but is not appropriate to appear in main text, it can be put there.

### Code

```
1 from __future__ import absolute_import, division, print_function
2
3 # TensorFlow and tf.keras
4 import tensorflow as tf
5 from tensorflow import keras
6
7 # Helper libraries
8 import numpy as np
9 import matplotlib.pyplot as plt
10
11 print(tf.__version__)
```