

**L<sup>A</sup>T<sub>E</sub>X THESIS TEMPLATE FOR UNIVERSITI  
PERTAHANAN NASIONAL MALAYSIA**

**LIM LIAN TZE**

**DOCTOR OF PHILOSOPHY**

**UNIVERSITI PERTAHANAN NASIONAL MALAYSIA**

**2016**



**L<sup>A</sup>T<sub>E</sub>X THESIS TEMPLATE FOR UNIVERSITI PERTAHANAN NASIONAL  
MALAYSIA**

**LIM LIAN TZE**

Thesis submitted to the Centre for Graduate Studies, Universiti Pertahanan Nasional Malaysia, in fulfilment of the requirements for the Degree of Doctor of Philosophy (Computer Science)

March 2016

*To my parents.*

## ABSTRACT

This is about my wonderful research.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

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## ABSTRAK

Ini merupakan abstrak dalam Bahasa Melayu.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

## **ACKNOWLEDGEMENTS**

Thanks guys. I owe you many.

I certify that an Examination Committee has met on **20 May 2016** to conduct the final examination of **Lim Lian Tze** on his (or her) degree thesis entitled '**L<sup>A</sup>T<sub>E</sub>X Thesis Template for Universiti Pertahanan Nasional Malaysia**'. The committee recommends that the student be awarded the Doctor of Philosophy (Computer Science).

Members of the Examination Committee were as follows.

	<i>Signature</i>
<p><b>Name of Chairperson, PhD</b>            Professor            Faculty of Mathematics            Universiti Pertahanan Nasional Malaysia            (Chairman)</p>	
<p><b>Name of Examiner 1, PhD</b>            Associate Professor            Faculty of Engineering            Universiti Pertahanan Nasional Malaysia            (Internal Examiner)</p>	
<p><b>Name of Examiner 2, PhD</b>            Faculty of Engineering            Universiti Pertahanan Nasional Malaysia            (Internal Examiner)</p>	
<p><b>Name of External, PhD</b>            Associate Professor            School of Chemical Engineering            Imperial College            (External Examiner)</p>	



This thesis was submitted to the Senate of Universiti Pertahanan Nasional Malaysia and has been accepted as fulfillment of the requirement for the degree of **Doctor of Philosophy (Computer Science)**. The members of the Supervisory Committee were as follows.

<p><b>Name of Chairperson, PhD</b>          Associate Professor          Faculty of Engineering          Universiti Pertahanan Nasional Malaysia          (Main Supervisor)</p>	<p><i>Signature</i></p>
<p><b>Name of Member 1, PhD</b>          Ir.          Faculty of Engineering          Universiti Pertahanan Nasional Malaysia          (Co-Supervisor)</p>	
<p><b>Name of Member 2, PhD</b>          Faculty of Engineering          Universiti Pertahanan Nasional Malaysia          (Co-Supervisor)</p>	

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**UNIVERSITI PERTAHANAN NASIONAL MALAYSIA**

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Author's full name : \_\_\_\_\_

Date of birth : \_\_\_\_\_

Title : \_\_\_\_\_

Academic Session : \_\_\_\_\_

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## **LIST OF ABBREVIATIONS**

- $\theta$  temperature degree.
- LI lexical item.
- NLP Natural Language Processing.
- POS part of speech.

## CHAPTER 1

### INTRODUCTION TO PROGRAMMING

So this is the preamble at the **beginning** of the chapter. The purpose may be to introduce the themes of the chapter and main headings.

See how inter-paragraph spacing is larger.

#### **1.1 First Test and I need a really long title, please do oblige me won't you? Just a few more words and yes we're there**

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nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

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**Figure 1.1** First figure. OK?



**Figure 1.2** Second figure. Now I need a long caption to test out how things look in the List of Figures. Is this long enough yet? Is it? Is it?

- item number 1



- item number 2

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(a) The first subfigure



(b) The second subfigure

**Figure 1.3** An example with subfigures

### 1.1.1 Second Test

Their Audibert (2004) requirements<sup>1</sup> are really amazing<sup>2</sup> Budanitsky and Hirst (2006).

Looks like everything's working. Great. Let's talk about lexical items (LIs) and parts of speech (POS) in Natural Language Processing (NLP). I mention again LIs. Oh I have a symbol too, it's temperature degree ( $\theta$ ).

### 1.1.2 This is another Subsection

Remember that subsections need to be indented!

## 1.2 Yeah

And here's a long quotation, it should be an indented block and single-spaced:

Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel

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<sup>1</sup>See here, how weird, how to fill out an entire line. See here, how weird, how to fill out an entire line. See here, how weird, how to fill out an entire line. See here, how weird, how to fill out an entire line.

<sup>2</sup>don't you agree?

nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consectetur.

Suspendisse vel felis. Ut lorem lorem, interdum eu, tincidunt sit amet, laoreet vitae, arcu. Aenean faucibus pede eu ante. Praesent enim elit, rutrum at, molestie non, nonummy vel, nisl. Ut lectus eros, malesuada sit amet, fermentum eu, sodales cursus, magna. Donec eu purus. Quisque vehicula, urna sed ultricies auctor, pede lorem egestas dui, et convallis elit erat sed nulla. Donec luctus. Curabitur et nunc. Aliquam dolor odio, commodo pretium, ultricies non, pharetra in, velit. Integer arcu est, nonummy in, fermentum faucibus, egestas vel, odio.

Time for some maths, and later there's a table.

$$\left[ M \frac{\partial}{\partial M} + \beta(g) \frac{\partial}{\partial g} + n\gamma \right] G^{(n)}(x_1, x_2, \dots, x_n; M, g) = 0 \quad (1.1)$$

**Table 1.1** This is a table

Hey	How's it	Going?
Fine!	Just great.	See ya!
Fine!	Just great.	See ya!

Sed commodo posuere pede. Mauris ut est. Ut quis purus. Sed ac odio. Sed vehicula hendrerit sem. Duis non odio. Morbi ut dui. Sed accumsan risus eget odio. In hac habitasse platea dictumst. Pellentesque non elit. Fusce sed justo eu urna porta tincidunt. Mauris felis odio, sollicitudin sed, volutpat a, ornare ac, erat. Morbi quis dolor. Donec pellentesque, erat ac sagittis semper, nunc dui lobortis purus, quis congue purus metus ultricies tellus. Proin et quam. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Praesent sapien turpis, fermentum vel, eleifend faucibus, vehicula eu, lacus.

## CHAPTER 2

### DUMMY CHAPTER

Hello!!

Test 3

**Figure 2.1** Let's see. What have we got here?

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Budanitsky, A., & Hirst, G. (2006). Evaluating WordNet-based measures of lexical semantic relatedness. *Computational Linguistics*, 32(1), 13–47.

## **APPENDIX A**

### **MANUALS, TECHNICAL SPECIFICATIONS, DOCUMENTATIONS, EXAMPLE SCENARIOS**

## APPENDIX B

### TRY

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## **BIODATA OF STUDENT**

Put your personal biodata as required here.



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