A LaTeX Thesis Template for ENCS Graduate Student from Concordia University

Suo Tan

A Thesis

in

The Department

of

Mechanical and Industrial Engineering

Presented in Partial Fulfillment of the Requirements

for the Degree of

Doctor of Philosophy (Industrial Engineering) at

Concordia University

Montréal, Québec, Canada

October 2015

CONCORDIA UNIVERSITY

School of Graduate Studies

This is to certify that the thesis prepared

By: **Mr. Suo Tan**

Entitled: **A LaTeX Thesis Template for ENCS Graduate Student from Concordia University**

and submitted in partial fulfillment of the requirements for the degree of

Doctor of Philosophy (Industrial Engineering)

complies with the regulations of this University and meets the accepted standards with respect to originality and quality.

Signed by the Final Examining Committee:

_____ Chair
Dr. Name of the Chair

_____ External Examiner
Dr. Name of External Examiner

_____ Examiner
Dr. Name of Examiner One

_____ Examiner
Dr. Name of Examiner Two

_____ Supervisor
Dr. Yong Zeng

Approved by _____
Martin D. Pugh, Chair
Department of Mechanical and Industrial Engineering

_____ 2015

_____
Amir Asif, Dean
Faculty of Engineering and Computer Science

Abstract

A LaTeX Thesis Template for ENCS Graduate Student from Concordia University

Suo Tan, Ph.D.

Concordia University, 2015

This thesis template has been created to make it easy to prepare your thesis using LaTeX while adhering to the Concordia University Thesis Specifications posted online. The official thesis examples are provided here: http://www.concordia.ca/content/dam/concordia/offices/sgs/docs/handbooks/thesispreparationguide.pdf. The template has been tested with TeXstudio, TeXworks, CTex, and TeXnic under MikTex 2.9, with UTF-8 encoding.

Acknowledgments

Text of acknowledgments.

Contents

List of Figures

List of Tables

Chapter 1

Introduction

Chapter 1 provides a brief summary on some basic LaTeX elements to be used in a thesis. A comprehensive literature review on [your topic] is presented in Chapter 2. Bla bla bla ....

1.1 Figure and Table

Text body of the Section 1.1.

1.1.1 Figure

A figure example is shown in Figure 1.1.

1.1.2 Table

Table 1.1 illustrates a very complex table with figures in its cells.

1.2 Algorithm

The pseudo code shown in Algorithm 1 describes the proposed algorithm.

1.3 Equation

An equation example is shown in Eq. 1.

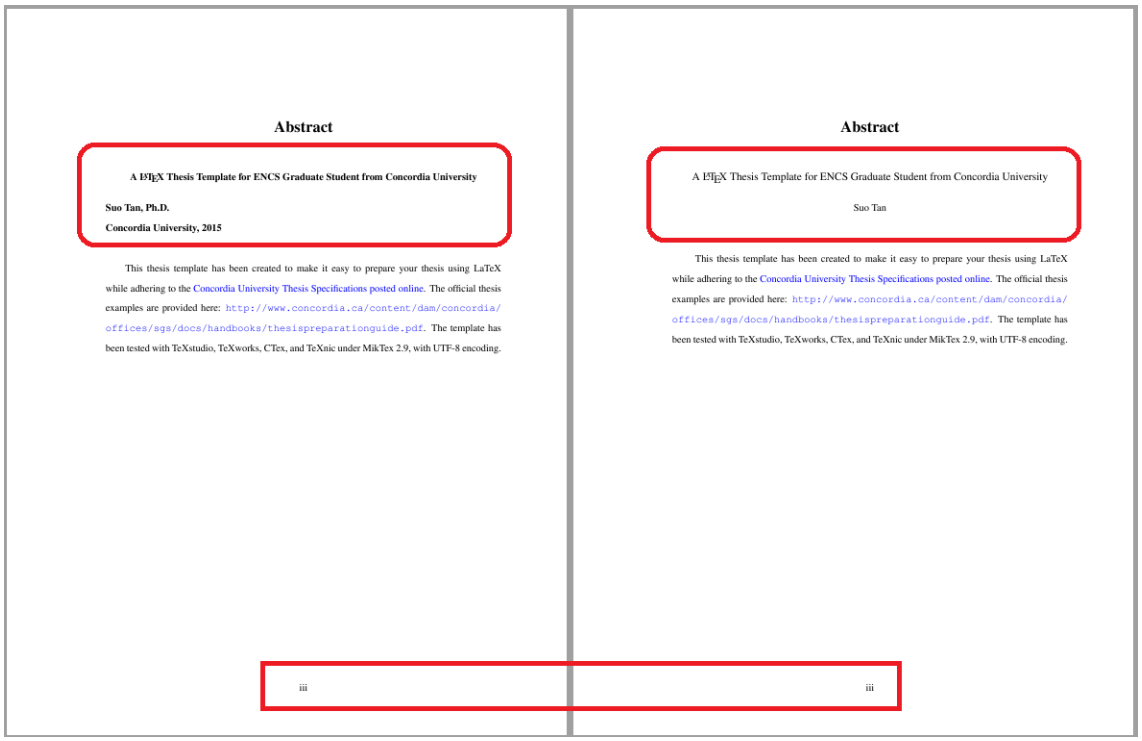

Figure 1.1: An illustration of requirement compliance.

Table 1.1: Elements defined for the ROM (Zeng, 2008).

Type		Graphic Representation	Description
Object	Object	O	Everything in the universe is an object
	Compound Object	O	It is an object that includes at least two objects in it
Relation	Constraint Relation	ξ	It is a descriptive, limiting, or particularizing relation of one object to another
	Connection	ι	It is to connect two objects that do not constrain each other
	Predicate Relation	ρ	It describes an act of an object on another or that describes the states of an object

Algorithm 1 Calculate the probability of G

Require: $p \in [0, 1]$, G
Ensure: None
for $i = 0 \rightarrow 2^d - 1$ **do** ▷ d is an integer
  if $n(\nu_i) = 0$ **then**
    if $x < p$ **then** ▷ x is a normal distribution number in the range of $[0, 1]$
      Occupy v_i site with probability p
    end if
  end if
end for

$$f(ENC) = \int_0^1 (e^x + x^2) \tag{1}$$

1.4 Quotations

> "It was easier in the beginning when there was only the RED-camera, but now, after RED, it just continuous. And all the different manufacturers, they cannot agree upon what is the standard file format, codec, or compression algorithms, and so on. It is a jungle."

CEO, Full Name (Company A)

1.5 Citations

It is suggested that you choose "**citet**" and/or "**citep**" to cite references. The "**citet**{**key**}" gives you a format of "**Name (1990)**", whileas "**citep**{**key**}" delivers a format of "**(Name, 1990)**". For example, Wang and Zeng (2009) extended their research from (Zeng, 2008).

Chapter 2

Literature Review

Put your literature review contents here.

References

Wang, M., & Zeng, Y. (2009, April). Asking the right questions to elicit product requirements. *International Journal of Computer Integrated Manufacturing*, *22*(4), 283–298. Retrieved from http://dx.doi.org/10.1080/09511920802232902 doi: 10.1080/09511920802232902

Zeng, Y. (2008, August). Recursive object model (ROM)?Modelling of linguistic information in engineering design. *Computers in Industry*, *59*(6), 612–625. Retrieved 2015-10-21, from http://www.sciencedirect.com/science/article/pii/S0166361508000249 doi: 10.1016/j.compind.2008.03.002