



جامعة خليفة  
Khalifa University

**PhD Dissertation or MSc Thesis  
template using L<sup>A</sup>T<sub>E</sub>X style  
designed for Khalifa University**

Student Name

Ph.D. Dissertation

October, 2022

A dissertation submitted to Khalifa University of Science and Technology in accordance with the requirements of the degree of prg in Engineering, in the Department of XXYYZZ



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Khalifa University

**PhD Dissertation or MSc Thesis template  
using L<sup>A</sup>T<sub>E</sub>X style designed for Khalifa  
University**

by

Student Name

A Dissertation submitted in partial fulfillment of the  
requirements for the degree of

**prg in Engineering**

at

**Khalifa University**

**Dissertation Defense Committee**

Dr. XYZ (Main adviser),  
*Khalifa University*  
Dr. XYZ (Co-adviser),  
*Khalifa University*  
Dr. XYZ (Co-adviser),  
*Khalifa University*

Dr. XYZ (External Member),  
*XXX YYY ZZZ*  
Dr. XYZ (RSC Member),  
*Khalifa University*  
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October, 2022

# Abstract

Student Name, “**PhD Dissertation or MSc Thesis template using L<sup>A</sup>T<sub>E</sub>X style designed for Khalifa University**”, PhD Dissertation, prg in Engineering, Department of XXYYZZ, Khalifa University of Science and Technology, United Arab Emirates, October, 2022.

abstract text ....

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**Indexing Terms:** Term 1; Term 2; Term 3; Term 4; Term 5; Term 6; Term 7;

# Acknowledgments

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# Declaration and Copyright

## Declaration

I declare that the work in this dissertation was carried out in accordance with the regulations of Khalifa University of Science and Technology. The work is entirely my own except where indicated by special reference in the text. Any views expressed in this dissertation are those of the author and in no way represent those of Khalifa University of Science and Technology. No part of this dissertation has been presented to any other university for any degree.

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## List of Abbreviations and Notations

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### **Abbreviations**

MIP Mixed Integer Program

TP Tactical Planning

### **Notations**

$\mathbb{C}$  Complex numbers

$\mathbb{H}$  Quaternions

$\mathbb{R}^+$  Positive real numbers

# CHAPTER 1

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## Chapter 1 Title

---

This thesis/dissertation template is created for the graduate students of Khalifa University. It has the following options.

Calling the class, switching between PhD, MSc, and proposal formats can be in the first line of the .tex preamble.

```
\documentclass[options]{KUThesis}
```

For example:

```
% \documentclass[phd, proposal]{KUThesis}
% \documentclass[msc, doublespace]{KUThesis}
% \documentclass[msc, onehalfspace, 11pt]{KUThesis}
```

Available options are:

- `phd` or `msc` to switch between `msc` and `phd` thesis/dissertation
- `singlespace`, `onehalfspace` and `doublespace` options regulate spacing in the main document `singlespace` is default
- `proposal` option will skip printing of some declarations (acknowledgment, declaration, copyright).
- other options of the [report](#) class can be used here as well (page size, font, etc.)

Next, the author and thesis/dissertation options need to be provided:

```
\title{...} – Title of the thesis
```

```
\author{...} – Student name. It will be automatically inserted where needed.
```

```
\department{...} – Title of the department (skip “Department of”)
```

```
\studyprogram{...} – Full title study program, for example “PhD in Engineering” or “Engineering Systems and Management”
```

`\addrscmber{Dr. XYZ}{Role}{Affiliation}` – Up to 8 RCS members; It will be arranged in two columns, 4 and 4. Use empty declarations where needed.

`\date{...}` – The Date can be hardcoded or current, the printed date will be automatically formatted to Month, Year.

`\abstract{...}` – Only the abstract text needs to be provided. It will be prepended by the paragraph with the student name, thesis title, etc.

`\addidxtrm{...}` – Index term that will be appended after the abstract. Up to 8 terms are supported.

`\acknowledgment{...}` – Acknowledgment text. Add some dummy text in the proposal mode.

`\nomenclature[group]{...}{...}` – Abbreviations and Notations. See `Nomenclature.tex` for extra explanations and examples.

The rest of the document can be formatted using different  $\LaTeX$  options. Please see <https://www.overleaf.com/learn> for more details and examples.

## 1.1 Section-Title



Figure 1.1: Figure Example

Please see Figure 1.1 for an example of a figure. Use `\label` and `\ref` for cross-referencing figures, tables, equations.

## 1.2 Section-Title

Here is an example of a citation. Please see reference [1] and [2, 3, 1, 4, 5].

### 1.2.1 Section-Title

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### 1.3 Subchapter Title

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### 1.3.1 Section-Title

### 1.3.2 Section-Title

Table 2.1: Table Example

Cell A	Cell B
Cell C	Cell D

## 2.1 Subchapter Title

Please see Table 2.1 for an example of a table.

### 2.1.1 Section-Title

Example of an inline equation ( $\sqrt{a^2 + b^2}$ ), and display equations, numbered like (2.1) or not numbered.

$$F(x) = \frac{\sin x}{x}$$
$$F(x) = \frac{\cos x}{x} \tag{2.1}$$

or aligned into a system.

$$f(x) = \min_y x + y$$
$$f(y) = \frac{\partial}{\partial y} \left[ \int_0^y (\alpha x + \beta) dx \right] \tag{2.2}$$

Use `\begin{align*} ... \end{align*}` for systems of equations without numbers.

**2.1.2 Section-Title**

**2.2 Subchapter Title**

**2.2.1 Section-Title**

**2.2.2 Section-Title**



## CHAPTER 3

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### Chapter 3 Title

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#### **3.1 Subchapter Title**

##### **3.1.1 Section-Title**

##### **3.1.2 Section-Title**

#### **3.2 Subchapter Title**

##### **3.2.1 Section-Title**

##### **3.2.2 Section-Title**

## CHAPTER 4

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Conclusion

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### **4.1 Subchapter Title**

#### **4.1.1 Section-Title**

#### **4.1.2 Section-Title**

### **4.2 Limitations**

### **4.3 Final Outcomes**

### **4.4 Future Work**

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## APPENDIX A

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Appendix A Title

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## APPENDIX B

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Appendix B Title

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