

# TITLE OF THE THESIS

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## CERTIFICATE OF APPROVAL

We hereby recommend that this thesis presented by 20105016 entitled “**Title of the Thesis**” be accepted as fulfilling this part of the requirements for the Degree of Bachelor of Science in Civil Engineering.

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# ACKNOWLEDGEMENT

Write the text for acknowledgement in pages/acknowledgement.tex

# ABSTRACT

Write Abstract in pages/abstract.tex

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Write dedication in pages/dedication.tex

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# ABBREVIATIONS AND ACRONYMS

AI      Artificial Intelligence

ANN     Artificial Neural Networks

BPTT   Backpropagation Through Time

BRNN   Bidirectional Recurrent Neural Network

# Chapter 1

## INTRODUCTION

Filename: chapters/introduction.tex The following sections are examples.

### 1.1 Problem Statement

Section text. Figure 1.1.

### 1.2 Objectives of the Thesis

From the proposal

### 1.3 Thesis Outline

The rest of this thesis is organized as follows.

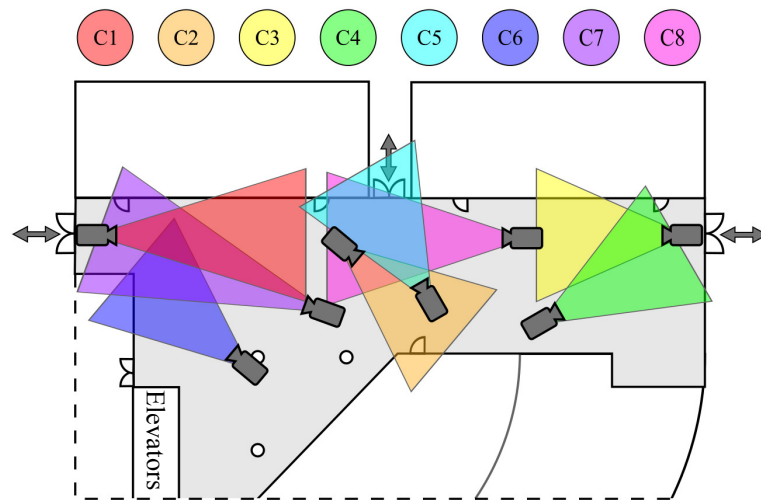


Figure 1.1: Example Figure

## Chapter 2

# LITERATURE REVIEW

Filename: chapters/literature\_review.tex

Literature review chapter. Citation example ([Rida et al., 2019](#)).

Add the references in buet\_msc\_thesis.bib files in bibtex format.



Figure 2.1: Enter Caption

# Chapter 3

## METHODOLOGY

Filename: chapters/methodology.tex

In this chapter, we discuss the proposed system...

Table 3.1: Example Table

| Hyperparameter        | Value  |
|-----------------------|--|
| Optimizer             | Adam ( <a href="#">Kingma and Ba, 2015</a> ) |
| Objective function    | Fusion of softmax and center loss            |
| Epochs                | 450  |
| Initial learning rate | $5 \times 10^{-3}$                           |
| Mini-batch size       | 256  |

## **Chapter 4**

# **RESULTS & DISCUSSIONS**

Filename: chapters/result\_discussion.tex

In this chapter, we are going to evaluate our proposed method ...

# Chapter 5

## CONCLUSIONS

Filename: chapters/conclusion.tex

### 5.1 Conclusions

Write some conclusions

### 5.2 Recommendations

Table 5.1: Caption

|    |    |    |    |
|----|----|----|----|
| dd | dd | dd | dd |
| d  | dd | dd | d  |
|    | d  |    | dd |

## References

- Kingma, D. P. and Ba, J. (2015). Adam: A method for stochastic optimization. In *3rd Int. Conf. on Learning Representations*. San, Diego.
- Rida, I., Almaadeed, N., and Almaadeed, S. (2019). Robust gait recognition: a comprehensive survey. *IET Biometrics*, 8(1):14 – 28.