THESIS TITLE HERE

By

FirstMiddleSurname
(PreviousQualifications e.g. BSc. XXX)



A thesis submitted to the Department Name, Kwame Nkrumah University of Science and Technology, in partial fulfillment of the requirements for the degree of

MASTER OF PHILOSOPHY IN XXX

July, 2025

Declaration

I hereby declare that this submission is my own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which to a substantial extent has been accepted for the award of any other degree or diploma at Kwame Nkrumah University of Science and Technology, Kumasi or any other educational institution, except where due acknowledgment is made in the thesis.

FirstMiddleSurname	.....	.....
Student Name and ID	Signature	Date

Certified by:

Dr. Supervisor Name	.....	.....
Supervisor	Signature	Date

Certified by:

Dr. HOD Name	.....	.....
Head of Department	Signature	Date

Dedication

To my family and friends
for their unwavering support and encouragement

Acknowledgments

I would like to express my sincere gratitude to my supervisor, Dr. Supervisor Name, for their invaluable guidance, patience, and support throughout this research. Their expertise and constructive feedback have been instrumental in shaping this work.

I extend my appreciation to the faculty and staff of Department Name for providing an excellent academic environment and resources that made this research possible.

Special thanks to my family and friends for their constant encouragement and understanding during the challenging phases of this journey.

Finally, I acknowledge any funding bodies, institutions, or individuals who contributed to this research [modify as appropriate for your specific case].

Abstract

This is where you write your abstract. The abstract should provide a concise summary of your research, including the problem statement, methodology, key findings, and conclusions.

The abstract should be comprehensive yet concise, typically not exceeding 300-500 words for most theses. It should be written in a way that allows readers to understand the essence of your research without reading the entire document.

Replace this placeholder text with your actual abstract content.

Contents

Declaration ii

Dedication iii

Acknowledgments iv

Abstract v

List of Figures ix

List of Tables x

List of Abbreviations xi

1 Introduction 1

1.1 Background . . . 1
1.2 Problem Statement . . . 1
1.3 Research Objectives . . . 1
1.3.1 Main Objective . . . 1
1.3.2 Specific Objectives . . . 1
1.4 Research Questions . . . 2
1.5 Significance of the Study . . . 2
1.6 Scope and Limitations . . . 2
1.7 Organization of the Thesis . . . 2

2 Literature Review 3

2.1 Introduction . . . 3
2.2 Theoretical Framework . . . 3
2.3 Key Concepts and Definitions . . . 3
2.4 Previous Studies . . . 3
2.5 Research Gaps . . . 4
2.6 Conceptual Framework . . . 4
2.7 Chapter Summary . . . 4

3 Research Methodology 5

3.1 Introduction 5
3.2 Research Design 5
3.3 Study Area 5
3.4 Data Collection Methods 5
3.4.1 Primary Data 5
3.4.2 Secondary Data 6
3.5 Sampling 6
3.5.1 Sample Size 6
3.5.2 Sampling Technique 6
3.6 Data Analysis 6
3.7 Ethical Considerations 6
3.8 Limitations 6
3.9 Chapter Summary 6

4 Results and Analysis **7**
4.1 Introduction 7
4.2 Demographic Characteristics 7
4.3 Main Findings 7
4.3.1 Finding 1 7
4.3.2 Finding 2 7
4.4 Statistical Analysis 8
4.5 Discussion of Findings 8
4.6 Chapter Summary 8

5 General Discussion **9**
5.1 Introduction 9
5.2 Interpretation of Findings 9
5.2.1 Major Finding 1 9
5.2.2 Major Finding 2 9
5.3 Implications 9
5.3.1 Theoretical Implications 9
5.3.2 Practical Implications 10
5.3.3 Policy Implications 10
5.4 Comparison with Previous Studies 10
5.5 Unexpected Findings 10
5.6 Chapter Summary 10

6 Conclusion and Recommendations **11**

6.1 Introduction 11
6.2 Summary of the Study 11
6.3 Conclusions 11
6.4 Contribution to Knowledge 11
6.5 Recommendations 12
6.5.1 Recommendations for Practice 12
6.5.2 Recommendations for Policy 12
6.5.3 Recommendations for Future Research 12
6.6 Limitations of the Study 12
6.7 Final Remarks 12

References **13**

A Survey Questionnaire **14**
A.1 Sample Questions 14

B Additional Data **15**

C Computer Programs **16**

D Maps and Diagrams **17**

List of Figures

4.1 Sample Figure Caption. 8

List of Tables

4.1 Sample Table Title 7
4.2 Sample Table Title with Boolean Values 8

List of Abbreviations

API	Application Programming Interface
GDP	Gross Domestic Product
GPS	Global Positioning System
ICT	Information and Communication Technology
NGO	Non-Governmental Organization
PhD	Doctor of Philosophy
UK	United Kingdom
UN	United Nations
USA	United States of America
WHO	World Health Organization

Chapter 1

Introduction

1.1 Background

This is the introduction chapter of your thesis. Each chapter begins on a new page as required by the format guidelines. The text should be justified and use 1.5 line spacing.

Every paragraph should have at least three sentences and develop one main idea with a clear topic sentence that expresses this idea.

1.2 Problem Statement

Describe the problem that your research addresses. This section should clearly articulate the gap in knowledge or the issue that needs to be resolved.

1.3 Research Objectives

1.3.1 Main Objective

State your main research objective here.

1.3.2 Specific Objectives

1. First specific objective
2. Second specific objective
3. Third specific objective

1.4 Research Questions

List your research questions here:

1. What is the main research question?
2. What are the supporting questions?

1.5 Significance of the Study

Explain why your research is important and what contribution it will make to the field.

1.6 Scope and Limitations

Define the boundaries of your study and acknowledge any limitations.

1.7 Organization of the Thesis

Provide a brief overview of how the thesis is organized:

Chapter 1 provides an introduction to the research...

Chapter 2 reviews relevant literature...

Chapter 3 describes the research methodology...

And so on for each chapter.

Chapter 2

Literature Review

2.1 Introduction

This chapter reviews the relevant literature related to your research topic. The literature review should be comprehensive and critical, identifying gaps that your research will address.

2.2 Theoretical Framework

Discuss the theoretical foundations that underpin your research. This section should establish the theoretical lens through which your research will be analyzed

2.3 Key Concepts and Definitions

Define important terms and concepts that are central to your research.

2.4 Previous Studies

Review previous studies related to your topic. Use Harvard referencing style as required. For example:

According to Cobbinah et al. (2015), sustainable development must be reconsidered in the context of poverty and urbanisation in developing countries.

Multiple authors can be cited as (Duah and Amos-Abanye, 2015; Poku-Boansi et al., 2015) when discussing the urban poor and rent issues in Kumasi.

For newspaper articles, see Tamakloe (2008)[1]

The approach proposed by Amendola et al. (2023) learns a single policy for multiple tasks, which is relevant for adaptive systems in robotics.

Azar et al. (2021) present a comprehensive review of deep reinforcement learning applications in drone technology, highlighting the potential for autonomous navigation and control.

2.5 Research Gaps

Identify the gaps in existing literature that your research will address.

2.6 Conceptual Framework

Present your conceptual framework if applicable.

2.7 Chapter Summary

Summarize the key points from this literature review and how they relate to your research.

[1]Newspaper citations can provide valuable contemporary perspectives on research topics, though they should be used judiciously in academic work.

Chapter 3

Research Methodology

3.1 Introduction

This chapter describes the research methodology employed in this study.

3.2 Research Design

Describe your research design (e.g., qualitative, quantitative, mixed methods).

As shown in equation 3.1, the reward function penalizes crashes heavily.

$$r_t = \begin{cases} 1 & \text{if } s_t \in S_{\text{success}} \\ 0 & \text{if } s_t \in S_{\text{sloped}} \\ -10 & \text{if } s_t \in S_{\text{crash}} \\ -1 & \text{if } s_t \in S_{\text{trunc}} \cup S_{\text{bounds}} \\ -0.1 & \text{otherwise} \end{cases} \tag{3.1}$$

3.3 Study Area

Describe your study area if applicable.

3.4 Data Collection Methods

3.4.1 Primary Data

Describe how you collected primary data.

3.4.2 Secondary Data

Describe any secondary data sources used.

3.5 Sampling

3.5.1 Sample Size

Explain how you determined your sample size.

3.5.2 Sampling Technique

Describe the sampling technique used.

3.6 Data Analysis

Describe the methods used to analyze your data.

3.7 Ethical Considerations

Discuss any ethical issues and how they were addressed.

3.8 Limitations

Acknowledge any methodological limitations.

3.9 Chapter Summary

Summarize the methodology described in this chapter.

Chapter 4

Results and Analysis

4.1 Introduction

This chapter presents the results of your research and provides analysis of the findings.

4.2 Demographic Characteristics

Present demographic information about your sample if applicable. The complete survey questionnaire used to collect this data is provided in Appendix A.

4.3 Main Findings

4.3.1 Finding 1

Present your first major finding with supporting data.

Table 4.1: Sample Table Title

Variable	Value 1	Value 2
Item 1	10.5	15.2
Item 2	8.3	12.7
Item 3	6.9	9.8

4.3.2 Finding 2

Present your second major finding.

Table 4.2 is another table of interesting results.



Figure 4.1: Sample Figure Caption.

Table 4.2: Sample Table Title with Boolean Values

Variable	Value 1	Value 2
Item 1	true	1
Item 2	false	0
Item 3	false	0

4.4 Statistical Analysis

Present any statistical analysis results. The raw data and detailed statistical outputs are provided in Appendix B. All data analysis was conducted using custom scripts (see Appendix C for the complete code).

Additional maps and detailed diagrams are available in Appendix D.

4.5 Discussion of Findings

Discuss what your findings mean in the context of your research questions and objectives.

4.6 Chapter Summary

Summarize the key findings presented in this chapter.

Chapter 5

General Discussion

5.1 Introduction

This chapter discusses the implications of your findings in relation to existing literature and theory.

5.2 Interpretation of Findings

5.2.1 Major Finding 1

Discuss the significance of your first major finding in relation to:

- Existing literature
- Theoretical framework
- Research objectives

5.2.2 Major Finding 2

Discuss your second major finding similarly.

5.3 Implications

5.3.1 Theoretical Implications

Discuss how your findings contribute to theory.

5.3.2 Practical Implications

Discuss the practical applications of your findings.

5.3.3 Policy Implications

If applicable, discuss policy implications.

5.4 Comparison with Previous Studies

Compare your findings with previous research, highlighting similarities and differences.

5.5 Unexpected Findings

Discuss any unexpected results and possible explanations.

5.6 Chapter Summary

Summarize the main points of discussion from this chapter.

Chapter 6

Conclusion and Recommendations

6.1 Introduction

This final chapter summarizes the research, draws conclusions, and provides recommendations for future work.

6.2 Summary of the Study

Provide a brief summary of:

- The research problem
- Methodology used
- Key findings

6.3 Conclusions

Based on the research findings, the following conclusions can be drawn:

1. First conclusion based on your findings
2. Second conclusion
3. Third conclusion

6.4 Contribution to Knowledge

Explain how your research contributes to existing knowledge in the field.

6.5 Recommendations

6.5.1 Recommendations for Practice

Provide practical recommendations based on your findings.

6.5.2 Recommendations for Policy

If applicable, provide policy recommendations.

6.5.3 Recommendations for Future Research

Suggest areas for future research that could build on your work.

6.6 Limitations of the Study

Acknowledge the limitations of your research.

6.7 Final Remarks

Conclude with final thoughts about your research and its significance.

References

Amendola, J., Cenkeramaddi, L. R. and Jha, A. (2023), Drone Landing on Moving UGV Platform with Reinforcement Learning Based Offsets, *in* '2023 IEEE International Symposium on Smart Electronic Systems (iSES)', pp. 16–21.

Azar, A. T., Koubaa, A., Ali Mohamed, N., Ibrahim, H. A., Ibrahim, Z. F., Kazim, M., Ammar, A., Benjdira, B., Khamis, A. M., Hameed, I. A. and Casalino, G. (2021), 'Drone Deep Reinforcement Learning: A Review', *Electronics* **10**(9), 999.

Cobbinah, P. B., Erdiaw-Kwasie, M. O. and Amoateng, P. (2015), 'Rethinking sustainable development within the framework of poverty and urbanisation in developing countries', *Environmental Development* **13**, 18–32.
URL: *http://dx.doi.org/10.1016/j.envdev.2014.11.001*

Duah, D. Y. and Amos-Abanye, S. (2015), *The Urban Poor and the Excesses of Rents: Evidence from Kumasi, Ghana*, University Printing Press (UPK), Kumasi.

Poku-Boansi, M., Duah, D. Y. and Amos-Abanye, S. (2015), *The Urban Poor and the Excesses of Rents: Evidence from Kumasi, Ghana*, University Printing Press (UPK), Kumasi.

Tamakloe, E. K. A. (2008), '[article title here]', *Daily Graphic* .

Appendix A

Survey Questionnaire

Include your survey questionnaire, interview guides, or other data collection instruments here.

A.1 Sample Questions

1. What is your age group?

   - 18-25 years
   - 26-35 years
   - 36-45 years
   - 46+ years

2. Add your actual questionnaire items here...

Appendix B

Additional Data

Include additional data files, statistical outputs, or other supplementary materials that are too large for the main text.

Appendix C

Computer Programs

If your research involved original computer programs, include the important code here.

```
# Example Python code
def sample_function(data):
    """
    This is a sample function for demonstration
    """
    result = data.process()
    return result
```

another piece of code using listings package

```
# Another example Python code
def another_sample_function(data):
    """
    This is another sample function for demonstration
    """
    result = data.analyze()
    return result
```

Appendix D

Maps and Diagrams

Include any additional maps, diagrams, or pictures that are not important enough for the main text but provide supplementary information.