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**COLLEGE OF GRADUATE AND INTERDISCIPLINARY STUDIES**

This thesis, written by **TYPE STUDENT’S NAME** under the direction of his thesis advisor and approved by his/her thesis committee, has been presented and accepted by the Dean, College of Graduate and Interdisciplinary Studies, in partial fulfillment of the requirements for the degree of  **MASTER OF SCIENCE IN TELECOMMUNICATION ENGINEERING.**

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*Dedication*

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Its customary and good manners to say thank you.

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# TABLE OF CONTENTS

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[Figure 1 TEM Image 3](#_Toc325284687)

# LIST OF ABBREVIATIONS

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Enter the list of Acronyms / Abbreviations. Few examples are shown in the following

**LED** : Light Emitting Diode

**MOS** : Metal Oxide Semiconductor

# ABSTRACT

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| --- | --- | --- |
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# ملخص الرسالة

**الاسم الكامل**:

**عنوان الرسالة:**

**التخصص:**

**تاريخ الدرجة العلمية**:

# CHAPTER 1 INTRODUCTION

Please remove the texts in red which is given only as a guide.

Typically the first chapter is the Introduction. The main goal of your introduction is to identify a problem that is worthy of investigation. It must also provide some idea of your research goals and approach to research. Specific objectives can be introduced in the introduction chapter or they can be saved for later after you’ve provided additional background on the topic and state of the current research and its gaps. The Introductory chapter often concludes with a summary of the organization of the thesis, including identification of the general content of specific chapters and appendices.

## Section Title

Please remove the texts in red which is given only as a guide.

The Section has the 2nd order heading. Enter subject matter for Sub-Section.

Ideally, chapter one defines the overall importance of the problem areas and provides an introduction into what you did, chapter two is why you did it in the context of what was previously known, three is how you did it, four is what you found and five is what it all means – putting the pieces together, (what’s your contribution to the research field).

It should be noted that the objectives of your research define the OUTCOME, i.e. what will be learned.

These define the required steps; they do not define the outcome so they are NOT objectives.

Some theses and dissertations can have some chapters written as manuscripts that can be submitted to peer-reviewed scientific research journals. In that scenario, the grad student should be the principal author of the pending articles. The thesis or dissertation that includes manuscripts as chapters are not exempt from writing an introduction, background/ literature review and overall conclusions and recommendations.

## Section Title

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## Sub-Section Title

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There are also styles for headers, equations, captions and bulleted lists that you can choose to use. See examples throughout this template.

## Sub-Section Title

Please remove the texts in red which is given only as a guide.

This is a sub-section and thus begins with the second order heading. Enter your text here.

## Section Title

Please remove the texts in red which is given only as a guide.

The chapters are divided into sections where each section is numbered as shown in the following. Each subsequent subsection will have a next order heading.

The Section has the 2nd order heading. Enter subject matter for Sub-Section.

The equations can be written using the equation editor built-in with the MS Word 2007

and above versions. The equations are numbered typically as shown below. The Equation numbering can follow different styles. Make sure you are aware of the style commonly used in your area. Sometimes un-numbered equations are used.

(1.1)

(1.2)

# CHAPTER 2 LITERATURE REVIEW

Please remove the texts in red which is given only as a guide.

The background and literature review section needs to provide sufficient fundamental background information about the subject to support your objectives, hypothesis (or research questions) and methods, and review the pertinent literature related to the specific problem / hypothesis you are addressing.

This page can be used as the sample for subsequent chapters. In the following the Sub-Sections are also enumerated.

## Section Title

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(2.1)

## Sub-Section Title

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## Section Title

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## Sub-Section Title

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# CHAPTER 3 RESULTS AND CONCLUSION

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The results and discussion are very often combined in theses. The division of Results and Discussion material into chapters is usually best done according to subject matter.

Make sure that you have described the conditions which obtained for each set of results. What was held constant? What were the other relevant parameters? Make sure too that you have used appropriate statistical analyses. Use appropriate statistical tests.

In most cases, your results need discussion. What do they mean? How do they fit into the existing body of knowledge? Are they consistent with current theories? Do they give new insights? Do they suggest new theories or mechanisms?

Try to distance yourself from your usual perspective and look at your work. Do not just ask yourself what it means in terms of the orthodoxy of your own research group, but also how other people in the field might see it. Does it have any implications that do not relate to the questions that you set out to answer?

## Section Title

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Following is a figure inserted to show how the Figures are captioned and used. Use the “Insert” option to insert a figure or a plot at the position you want to insert the image/plot. Right click the image/plot and use the “Insert Caption” to insert the caption on the figure/plot. The Caption must contain the index of the figure/plot and a concise description. Each figure/plot should be placed at the center of a new page.

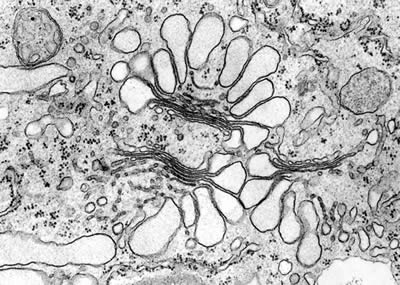


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In the following a Table is shown. Use the “Insert” option to insert a Table by and select appropriate number of rows and columns.

Table 1 Measurements of Weather Conditions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Temperature (maximum) | Temperature (minimum) | Humidity (maximum) | Humidity (minimum) | Wind Speed (average) |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

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# References

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[1] Shannon, C.E.; , "Communication in the Presence of Noise," *Proceedings of the IRE* , vol.37, no.1, pp. 10- 21, Jan. 1949

[2] R. F. Harrington, “Effect of antenna size on gain, bandwidth, and efficiency,” J. Res. Nat. Bureau Standards, vol. 64D, pp. 1–12, Jan.-Feb. 1960

[3] Gardner, W.; , "Spectral Correlation of Modulated Signals: Part I--Analog Modulation," *Communications, IEEE Transactions on* , vol.35, no.6, pp. 584- 594, Jun 1987

[4] S. G. Wilson, Digital Modulation and Coding. Englewood Cliffs, NJ: Prentice-Hall, 1996.

[5] Murota, K.; Hirade, K.; , "GMSK Modulation for Digital Mobile Radio Telephony," *Communications, IEEE Transactions on* , vol.29, no.7, pp. 1044- 1050, Jul 1981

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