

*This is a template of the inner cover page to be used in the thesis.*

**REPUBLIC OF TÜRKİYE**

**OSTİM TECHNICAL UNIVERSITY**

**GRADUATE SCHOOL OF ENGINEERING AND SCIENCE**

**DEPARTMENT OF ……… ENGINEERING**

**……. ENGINEERING**

**MASTER’S PROGRAM (12 PT)**

**THESIS TITLE (14 PT)**

**MASTER’S/DOCTORAL THESIS (14 PT)**

**PREPARED BY (12 PT)**

**NAME SURNAME (12 PT)**

**THESIS SUPERVISOR (12 PT)**

**TITLE NAME SURNAME (12 PT)**

**ANKARA-2022(12 PT)**

*While writing the thesis/project using this template, the yellow informative notes should be deleted.*

# THESIS ACCEPTANCE AND APPROVAL

This study, titled “……………………….” and submitted by ………………………………. on …/.../20..., was found successful as a result of the thesis defense on .../.../20... and accepted as a Master's/PhD Thesis by our jury.

*All signatures on the thesis should be in blue ink.*

**Date of Approval:................./......./.................**

 **Jury Member: Title Name SURNAME** \_\_\_\_\_\_\_\_\_\_\_\_

 … University

**Jury Member: Title Name SURNAME** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 … University

**Jury Member: Title Name SURNAME** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*If applicable* … University

**Jury Member: Title Name SURNAME** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*If applicable* … University

**Thesis Supervisor: Title Name SURNAME** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Ostim Technical University

**Co-Supervisor: Title Name SURNAME** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*If applicable* … University

**APPROVAL**

**I hereby approve that this study, accepted by the jury, fulfills the requirements for being a Master's/PhD Thesis.**

**…../…../20….**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Title Name SURNAME**

Institute Director

*All pages from the Acceptance and Approval to the Introduction should be numbered with small Roman numerals. Page numbers should be written 1.5 cm above the bottom of the page, aligned to the right, in 12-point Times New Roman font.*

# DECLERATION

I hereby declare that I have given Ostim Technical University the permission to archive all or any part of my Master's/PhD thesis approved by the Institute in printed or digital format and make it accessible under the conditions specified below. With this permission, all intellectual property rights other than the usage rights granted to the University will remain with me and the usage rights of all or a part of my thesis for future studies (article, book, license, patent, etc.) will belong to me alone.

I declare and undertake that my thesis is entirely my own work, that I do not violate the rights of others and that I am the sole authorized owner of my thesis. I undertake that I use the copyrighted resources with written permission, which must be used with written permission from their owners, and to submit copies of the permissions to the University upon request.

Within the scope of the "Directive on Collecting, Organizing and Opening to Access The Theses and Dissertations in Electronic Environment"" published by the Council of Higher Education, my thesis is made available on the YÖK National Thesis Center and Ostim Technical University Open Access System, except for the following conditions.

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[ ]  With the decision of the Institute / Faculty Administrative Board, the open access of my thesis has been postponed for 2 years from my graduation date.[[1]](#footnote-1)

[ ]  With the reasoned decision of the Graduate School / Faculty Administrative Board, the opening of my thesis has been postponed for maximum of 6 months from the date of my graduation.[[2]](#footnote-2)

[ ]  A confidentiality decision has been made regarding my thesis.[[3]](#footnote-3)[[4]](#footnote-4)

 Date:

 Signature:

**OSTİM TECHNICAL UNIVERSITY**

**INSTITUTE OF NATURAL AND APPLIED SCIENCES MASTER'S / DOCTORAL THESIS ORIGINALITY REPORT**

Thesis Title:………………………………………………………………………..

Student Name Surname:……………………………………………………….……..

Thesis Supervisor Title Name Surname:………………………………………………

Department:……………………………………….……………………..………….

Program:…………………..………………………………………………………….

Date: ….. / .… / ….

The part of my Master's/Doctoral thesis, which consists of Introduction, Main Chapters and Conclusion and consists of ……… pages in total, was examined by my thesis advisor and myself on …/…/….. by the ……… plagiarism detection program.

According to the originality report, the similarity score of my thesis is ……….%.

Applied filters:

1. Bibliography (excluding)

2. Citations (excluding)

3. Parts of text with less than five (5) words overlapping (excluding)

I declare that my thesis does not contain any plagiarism; that I accept all kinds of legal responsibility that may arise in the event that the contrary is detected and that the information I have given above is correct.

Student Signature:………………….

**APPROVAL**

**Date: …. / …. /…..**

**Supervisor’s Title Name Surname and Signature**

# ETHICAL DECLERATION

I declare that this study is an original study, that I act in accordance with scientific ethics and rules in the preparation, data collection, analysis, presentation of information and all other stages of the study, that I have obtained all the document information in the study within the framework of academic ethics and rules, that I have presented all visual, audio, and written information and results in accordance with the scientific rules of ethics, that I have not made any falsifications in the data I have used, that I have referred to the sources I have used in accordance with scientific norms, that my thesis has been written by me and is original, except for the cases where I cited sources, that it has been produced by me under the supervision of my thesis advisor …………………..…. and written in accordance with Ostim Technical University thesis writing guide.

**Student Signature**

**Student Name Surname**

**Date**

*DEDICATION (If Applicable)*

*The dedication page should be numbered but not showed in the table of contents.*

*Dedication should be right-aligned, italic and in the middle of the page.*

# ACKNOWLEDGEMENTS

The texts in the acknowledgments section should be written with 1 (12 point) line spacing. This section is the preface of the thesis/project. In this section, the institutions that supported the thesis/project and the people who helped are acknowledged. Acknowledgments should not be longer than 2 pages. The date and Student Name SURNAME should be written under the text.

**Date**

**Name SURNAME**

# ÖZ

Yazar Adı ve Soyadı : Hanife Aydın

Üniversite : OSTİM Teknik Üniversitesi

Enstitü : Fen Bilimleri Enstitüsü

Program Adı : Bilgisayar Mühendisliği

Tezin Türü : Yüksek Lisans/Doktora Tezi

Sayfa Sayısı : …..

Tarihi : 2022

**TEZ BAŞLIĞI**

Öz kısmında; Tezde araştırılan konu kısaca tanıtılarak Tezin önemi, kapsamı, amaçları, kullanılan yöntemler, elde edilen bulgular ve ulaşılan sonuçlar açık ve öz olarak yazılmalıdır. Özet en az 150, en fazla 250 kelime olmalıdır. Özette; atıf, alıntı, kaynak, şekil ve tablo verilmemelidir. Türkçe ve İngilizce Öz sayfalarında normal yazı tipi dışındaki yazı tipleri ve tablo, şekil, sembol, formül gibi hususlar yer almaz. Özet metnin altına “Anahtar Kelimeler” ifadesi yazılarak en az 3, en çok 5 anahtar kelime belirtilmelidir. Kısaltmalar ve özel isimler hariç olmak üzere, Birinci anahtar sözcüğün ilk harfi büyük sonraki harfleri küçük yazılmalı, diğer anahtar kelimelerin tamamı küçük harfle yazılmalıdır. Eğer tez bir kuruluşun desteği ile hazırlandıysa anahtar kelimelerden sonra bir satır boşluk bırakılarak ilgili kuruluşun / kuruluşların adı ve proje numarası yazılır.

**Anahtar Sözcükler:** Anahtar Sözcük 1, Anahtar Sözcük2, Anahtar Sözcük3

# ABSTRACT

Thesis : Hanife Aydın

University : OSTİM Technical University

Institute : Graduate School of Natural and Applied Sciences

Program’s Name : Computer Engineering

Thesis Type: : Master/Ph.D.

Pages : ….

Year : 2022

**TITLE OF THE THESIS**

The abstract must briefly mention the subject, the scope and the objectives of the thesis, the methods used, findings obtained, and the conclusions derived. The abstract must have 150 words minimum and 250 words maximum. The Turkish and English Abstract pages do not include fonts other than normal fonts and matters such as tables, figures, symbols, and formulas. Citations, quotations, references, figures and tables must not be given in the abstract. There must be at least 3 and at most 5 keywords. The first letter of the first keyword must be in uppercase, all other keywords must be in lowercase. If the thesis has been prepared with the support of an institution, the name and project number of the relevant institution / organizations are written by leaving a blank line after the keywords.

**Keywords:** Keywords 1, Keywords 2, Keywords 3

**İÇİNDEKİLER**

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# LIST OF TABLES

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*In the List of Tables, all tables in the thesis should be shown in full. All tables in the thesis should be numbered sequentially starting from Table 1. In the index of tables, the spaces between table titles and page numbers should be filled with periods. All table titles should be aligned to the left and page numbers to the right. After the table number, a full stop should be placed and the table title should be written with only the first letter uppercase and the following letters lowercase. The entire index of tables should be written with 1 line spacing and paragraph spacing should be 6 points before and after.*

# LIST OF FIGURES

[**Figure 1.** Figure title [Reference number] 6](#_Toc92200197)

*In the List of Figures, all figures in the thesis should be shown completely in the figures index. All figures in the thesis should be numbered sequentially starting from Figure 1. In the index of figures, the space between the figure captions and page numbers should be filled with a period. All figure captions should be aligned to the left and page numbers to the right. A full stop should be placed after the figure number and the figure title should be written with only the first letter uppercase and the following letters lowercase. The entire index of figures should be written with 1 line spacing, and the paragraph spacing should be 6 points before and after.*

# SYMBOLS AND ABBREVIATIONS

C.A. Cronbach’s Alpha

WHO World Health Organization

Es Spectrum Efficiency

IEEE Institute of Electrical and Electronics Engineering

β Beta Coefficient

π Pi number

1. **INTRODUCTION**

In the introduction, the subject, scope, importance, original value, objectives, method, research process, organization of the study sections and the topics discussed in the chapters should be stated at a reasonable level of detail.

The introduction title should be formatted as a first-degree title and the section number should be "1". The introduction section should not consist of subheadings within itself. The page number of the introduction section should start with the number 1, and the following pages should continue sequentially. Page numbers should be written 1.5 cm above the bottom edge of the page in 12 font size Times New Roman font aligned to the right.

All texts of the thesis should be written with 1.5 line spacing on both sides. The first line of paragraphs should not be indented. 6-point spacing should be left before and after the paragraphs. Blank lines should not be placed between paragraphs.

Times New Roman font should be used in all texts of the thesis, except for the special cases specified in the manual. Page margins should be 3 cm from the left and 2.5 cm from the right, top and bottom.

1. **FIRST DEGREE TITLE**

All section titles in the text sections should be written in left alignment. Titles should not be indented from the left. Titles should be written with 1 line spacing.

Blank lines should not be placed before or after the titles. Titles should not be written as the last line of the page, and if 2 lines of text cannot be written after the title, the title should be on the next page. There should be at least two titles at any level. Titles should be followed by text or a sub-degree title.

The prepositions and conjunctions such as “and”, “or”, "with", “but”, “for”, “on”, “in”, “at”, etc. should be written in capital letters in first-degree titles and in lowercase letters in all other titles. There must be a space between the title number and the text. Titles should have no punctuation marks other than the dots of the title number.

First-degree titles should be numbered "1st", "2nd”, etc. First-degree titles should be written in bold and all capital letters. First-degree titles should start from the new page and centered on page.

* 1. **Second Degree Titles**

Second-degree titles should be numbered "1.1.", "1.2." etc. Second-degree titles should be written in bold, and the first letter of all words should be capitalized, and the next letters should be written in lowercase.

* + 1. Third Degree Titles

Third-degree titles should be numbered "1.1.1.", "1.1.2.", "1.1.3." etc. Third-degree titles should be capitalized with the first letter of all words and the next letters in lowercase.

* + - 1. Fourth Degree Titles

Fourth-degree titles should be numbered "1.1.1.1.", "1.1.1.2.", "1.1.1.3." etc. Fourth-degree titles should be capitalized on the first letter of the first word and the next letters in lowercase.

1. Fifth Degree Titles

Fifth degree titles should not be numbered. The first letter of the first word of the fifth-degree titles should be capitalized and the next letters should be written in lowercase. For the purpose of classifying among themselves, lowercase letters can be put at the beginning of fifth-degree titles.

A maximum of fifth degree titles should be used in the thesis.

1. **CONCLUSION**

The aims, methodology, and the findings of the thesis/project, comparisons with previous studies, contribution to literature, evaluations, suggestions and discussions, as well as the conclusions reached should be stated at a reasonable level of detail in the conclusion chapter.

*The conclusion title should be formatted as a first-degree title and numbered as the last chapter of the thesis. The conclusion chapter should not consist of subheadings.*

1. **IN-TEXT LISTS**

Bulleted list example:

* First degree bulleted list article
* Second degree bulleted list article

Numbered list example:

1. First degree numbered list article
2. Second degree numbered list article
3. **TABLES AND FIGURES**

Table and figure descriptions are written using the section number and the number of the figure/table within the section.

Table Example:

Table 1.1. Table title [Reference number]

|  |  |  |
| --- | --- | --- |
| Column A | Column B | Column C |
| Line A | Line 1 | Line 2 |
| Line B | Line 3 | Line 4 |
| Line C | Line 5 | Line 6 |

 Figure Example:

Figure 1.1. Figure title [Reference number]

1. **EQUATIONS**

For example: For the 1st equation in Chapter 6 :

4𝑥 + 3𝑦 = 7

5𝑥 − 3𝑦 = 2

(6.1)

**REFERENCES**

[1] D. A. Eberly, “LEED EB case Study: Achieving platinum and the Energy Star label for corporate headquarters,” Energy Engineering, vol. 105 no. 3, pp.23-37, 2008.

[2] M. M. Chiampi and L. L. Zilberti, “Induction of electric field in human bodies moving near MRI: An efficient BEM computational procedure,” IEEE Trans. Biomed. Eng., vol. 58, pp. 2787–2793, Oct. 2011, doi: 10.1109/TBME.2011.2158315

[3] W. P. Risk, G. S. Kino, and H. J. Shaw, “Fiber-optic frequency shifter using a surface acoustic wave incident at an oblique angle,” Opt. Lett., vol. 11, no. 2, pp. 115–117, Feb. 1986. [Online]. Available: http://ol.osa.org/ abstract.cfm?URI=ol-11-2-115

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[10] V. Chandrasekaran, S. Sanghavi, P. A. Parrilo, and A. S. Willsky. (2009). Sparse and low-rank matrix decompositions. Presented at IFAC 2009. [Online]. Available: <http://www.sciencedirect.com/science/article/pii/S1474667016388632>

[11] W. P. Risk, G. S. Kino, and H. J. Shaw, “Fiber-optic frequency shifter using a surface acoustic wave incident at an oblique angle,” Opt. Lett., vol. 11, no. 2, pp. 115–117, Feb. 1986. [Online]. Available: http://ol.osa.org/ abstract.cfm?URI=ol-11-2-115

*The citation style accepted by the Institute of Natural Sciences is the "IEEE 2018" citation format. In the list of references, the document numbers are arranged in ascending sort.*

# APPENDIX 1. OUTER COVER EXAMPLE

|  |  |  |
| --- | --- | --- |
|  | **THESIS/PROJECT TITLE**  | **REPUBLIC OF TURKEY****OSTİM TECHNICAL UNIVERSITYINSTITUTE OF NATURAL AND APPLIED SCIENCES****… DEPARTMENT****THESIS/PROJECT TITLE****MASTER’S THESIS****Name SURNAME****ANKARA 2022** |
| **Name SURNAME** |
| **2022** |

# APPENDIX 2. CD MEMORY LABEL

OSTİM Technical UNIVERSITY

Institute of Natural and

Applied Sciences

… Department
…Department of Science

Master’s Degree/ Doctorate

Thesis Title

 Student ID number

Name and Surname

Supervisor: Title, Name and Surname

Reference Number

Referans Numarası:

Tez Konusu

Öğrenci Numarası

Adı Soyadı

Danışmanı

Program Adı

Tezli Yüksek Lisans/Doktora Programı

Thesis CDs: The student prepares 2 CDs containing thesis files. The files that should be in each CD are as follows.

-PDF file of the entire thesis

-Only the MS Word file of the Summary page

- Only the MS Word file of the Abstract page

File naming format:

name\_surname\_########\_thesis (pdf)

name\_surname\_########\_summary (doc/docx)

name\_surname\_########\_abstract (doc/docx)

The number indicated by ######## is the "Reference Number" generated after the Thesis Data Entry to be obtained from the address: https://tez.yok.gov.tr/UlusalTezMerkezi/

1. ARTICLE 6(1) In the event that a patent application is made for a graduate thesis or the patenting process is ongoing, upon the recommendation of the thesis advisor and the approval of the graduate school department, the graduate school or faculty executive board may decide to postpone the access to the thesis for two years. [↑](#footnote-ref-1)
2. AR 6(2) For theses that use new techniques, materials and methods, that have not yet turned into articles or are not protected by methods such as patents, and that contain information and findings that may create unfair gain for third parties or institutions if shared on the internet, the thesis may be prevented from being accessed for a period not exceeding six months upon the recommendation of the thesis advisor and the approval of the institute department, with the reasoned decision of the institute or faculty board of directors. [↑](#footnote-ref-2)
3. ARTICLE 7(1) The decision of confidentiality regarding graduate theses related to national interests or security, security, intelligence, defense and security, health, etc. is made by the institution where the thesis is conducted. The confidentiality decision regarding graduate theses prepared within the framework of a cooperation protocol with institutions and organizations is made by the university board of directors upon the recommendation of the relevant institution and organization and the approval of the institute or faculty. Theses for which a confidentiality decision is made are notified to the Council of Higher Education. [↑](#footnote-ref-3)
4. ARTICLE 7(2) Theses for which a confidentiality decision has been made are kept by the institute or faculty within the framework of confidentiality rules during the confidentiality period, and are uploaded to the Thesis Automation System if the confidentiality decision is lifted. [↑](#footnote-ref-4)