جامعــــة فيلادلفيـــــا

كلية تكنولوجيــا المعلومات

القســـم:

عنوان البحث

إعداد :
أسماء الطلبة
أرقام الطلبة الجامعية

بإشراف :
اسم المشرف :

عمّان / السنة

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Research Project Structure

The research project document should have the following specifications :

- Written in English .
- Paper size A4 .
- Left margin 3.5 m .
- Other margin 2.5 m .
- Normal text font size 12 .
- Main and subtitles font size 14 bold .
- Page numbering at the bottom center .

The organization of the research project structure should have the following topics :-

- Title .
  *Written in English and Arabic as in Fig.1.
- Approval.
  *As in Fig.2.
- Certification.
  *As in Fig.3.
- Dedication.
  *Optional and as in Fig.4.
- Acknowledgements .
  * Optional and as in Fig.5.
- Abstract English and Arabic.
  * at most One page .
  * The title and abstract in Arabic language must be attached at the
     end of the document .

- Explain the problem domain and the tools used to solve the problem and what are the main results of implementing the system.
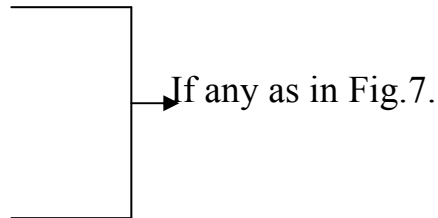
- Table of contents .
- as in Fig 6 .
- List of Abbreviations.
- List of Figures .
- list of Tables .
- List of Appendices .

If any as in Fig.7.

The above topics should be numbered using Roman Numbers (I ,II,..)
- **Chapter One : Introduction .**
- This page is the chapter name and should not be numbered , the chapter should contain the following sections :-

1-1 Introduction.
   * A general description for the project including :
   - Problem Statement.
   - Methodologies used in the project .
   - HW, SW and tools for implementation .
   - Obstacles, solved during the project .

1-2 Problem statement .
   * Describe briefly the problem intended to solve by the project .

1-3 Related Works.
   * State and analyze some recent similar works related to the problem mentioned in (1-2) .

1-4 Objectives of the system .
   * Write the main objective of the project declaring the technical methods and tools used in achieving the objectives .

1-5 Organization of the project .
   * Brief description of every chapter and other separate sections (summary, appendices,…..) .

- **Chapter Two : Theoretical Background .**
- This page is the chapter name and also should not be numbered . This chapter contains a good description of the theoretical background form:-
- Business (working) system points of view and ,
- Technical (computer) system side .

- **Chapter Three : System Study and Analysis .**
- This is the chapter name and should not be numbered , and the chapter contains the following sections :

3.1 Overview.
   * A brief notes about chapter content .

3.2 Information gathering .
   * The ways used to collect the information needed for the project.

3.3 Requirement Specification .
   * Description of the requirements needed for the project to fulfill its objectives take in consideration.
   3.3.1 User Requirements.
   3.3.2 Technical Requirements.

3.4 System Analysis.
   * Document the used technique to analyze the system such as (DFD , ERD , OOA ….) .

- **Chapter Four : System Design.**
   * This page is the chapter name and should not be numbered, and the chapter should contain the following sections :

4.1 Overview.
   * A brief notes about chapter content .

4.2 Project design.
   * This section should take in consideration the following:

4.2.1 Transforming the analysis models into relations .
4.2.2 Data Base design .
4.2.3 Designing Forms and Reports .
4.2.4 Designing Interfaces .
4.2.5 Finalizing Design specification using techniques such as (Traditional Methods, Prototype , RAD, OOD….).

- **Chapter Five : Implementation .**
  * This page is the chapter name and should not be numbered, and the chapter should contain the following sections :

5.1 Overview.
 * A brief notes about chapter content .

5.2 System Forms.
 * Complete project forms should be presented in sequence .

5.3 Coding.
 * The programming part of the project considering the design specification .

5.4 Testing.
 * State the testing procedures and the result analysis for each test .

- **Chapter Six : Conclusion an Future Works.**
   * This page is the chapter name and should not be numbered, and the chapter should contain the following sections :

6.1 Conclusion.
   *The main conclusions extracted from the implementation of the project .

6.2 Future Works.
 * Suggest future works in case developing this project .

References:-

- Write the references using the library rules, such as :
1- In case a book, write

Author name1, Author name2 , Author name 3, Book title, Publisher name, Publisher address, Edition number , Year .

- If there is more than 3 authors we should write the first author name followed by three dots and " etc ".

For example :-
(1) Booker, L.B., Improving Search in Genetic Algorithms, Morgan Kauffmann, Los Altos, CA, 3rd ed . , 1987 .
(2) In case a paper in Journal .

Author name 1, Author name 2, Author name 3, " paper title ", Journal name , Publisher name and address, Vol, No , Year , PP , (From page no – to page no -).

- The same note for more than 3 authors .

For example :-
(3) LIN S. , PUNCH # W. , " Coarse – Grain Paralled Genetic Algorithms " . IEEE Computer Society, LOS Alamitos CA, V3 , N5 , 1994 PP 87-102 .

(4) In case of paper from proceedings , we have to write the proceeding name instead of Journal name and complete the same information .

- The reference must be numbered and ordered with respect to :
    1- Alphabetical order to the Author name or
    2- With respect to its location in the project .

- The reference number must be stated in the project text .

Appendix .

* Any extra forms or complete project code may be stated as an appendix and must be referred to this appendix in the project text .