جامعة فيلادلفيا

كلية تكنولوجيا المعلومات

القسم:

عنوان البحث

إعداد:
أسماء الطلبة
أرقام الطلبة الجامعية

بإشراف:
اسم المشرف:

عمان / السنة
Research Project Structure
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The research project document should have the following specifications:

- Written in English.
- Paper size A4.
- Left margin 3.5 cm.
- Other margin 2.5 cm.
- 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.

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 and 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:
(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:

(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.