*Choose your prog. logo*

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| **Ain Shams University**  **Faculty of Computer and Information Sciences**  **Cyber Security Program** | **https://tse4.mm.bing.net/th?id=OIP.MLOV5VeG_t6fGKtn_5wGKwHaJQ&pid=15.1&P=0&w=300&h=300**Capture |

**Graduation Project Title**

By

**Team Members Names**

Under Supervision of

**Supervisor Name**

Assistant, Associate, or Professor in Department Name Department,

Faculty of Computer and Information Sciences,

Ain Shams University

**TA Supervisor Name**

Assistant Lecturer in Department Name Department

Faculty of Computer and Information Sciences,

Ain Shams University

**Acknowledgement**

If you want to include thank you notes to any one you should put it here. (The acknowledgement is optional)

**Abstract**

The abstract is a one page summary of the whole project including: why the project is needed, what are the main features of the project and what are the final results obtained by the developed system.

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Note: Always number your figures and include a caption under each one.

**List of Abbreviations**

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| Abbreviation | What the abbreviation stands for |  |
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Note: Any abbreviations used throughout the document should be included here. The list should be sorted alphabetically.

**Chapter 1**

**Introduction**

**1.1 Motivation**

This section should include why the project is needed. This includes what is happening in the field of the project that motivated the idea.

**1.2 Problem Definition**

What is the specific problem the project is solving.

**1.3 Objective**

What are the objectives of the project and what was done to achieve these objectives.

**1.4 Document Organization**

Include a paragraph for each chapter describing what was discussed in this chapter starting with chapter 2.

**Chapter 2**

**Background**

This chapter should introduce the following:

* A detailed description of the field of the project.
* All the scientific background related to the project.
* A survey of the work done in the field.
* Description of existing similar systems.

**Chapter 3**

**Analysis and Design**

* 1. **System Overview**

**3.1.1 System Architecture**

Include a figure of the system architecture and a description of all modules.

**3.1.2 Functional Requirements**

A list of the main functions of the system.

**3.1.3 Nonfunctional Requirements**

Listing the nonfunctional requirements of the system with a description of how each one relates to your project.

**3.1.4 System Users**

***A. Intended Users:***

To whom the system is built, and how each group of users will use the system.

***B. User Characteristics***

What kind of experience or skills are required from the users to be able to operate the project effectively.

**3.2 System Analysis & Design**

This section should contain the analysis and design part of the project. You should try to meet the requirements below where possible, and in accordance with the type and nature of your project.

**3.2.1 Use Case Diagram**

The use case diagram is mainly required + whenever applies the Fully dressed usecases describing each function of the project.

**3.2.2 Class Diagram**

The diagram + description of all the main classes.

**3.2.3 Sequence Diagrams**

**3.2.4 Database Diagram**

If you are implementing a database include the database schema plus a description of the tables.

**Chapter 4**

**Implementation**

This chapter should include:

* A detailed description of all the functions in the system.
* A detailed description of all the techniques and algorithms implemented.
* Description of any new technologies used in implementation.

**Note:** You should not include code in the documentation

**Chapter 5**

**User Manual**

This chapter should describe in details how to operate the project along with screen shots of the project representing all steps.

This chapter should also include an "Installation Guide" that would describe how to install the program, and all required third party tools that needs to be available for the project to run. The installation guide will also be included as a readme file in the CDs delivered at the end of the year.

**Chapter 6**

**Conclusions and Future Work**

**6.1 Conclusions**

A complete summary of the whole project along with the results obtained.

**6.2 Future Work**

What can be done in the future to improve the performance of the project and what additional functions could be added.

**References**

The list of references used during the project or in writing the document. The references should be formatted properly, you can refer to http://education.exeter.ac.uk/dll/studyskills/harvard\_referencing.htm for details on how to format your reference list.