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# PROJECT

<b>Programme(s) on which the project is given</b>	Information Systems
<b>Major or Minor element of programs</b>	Major
<b>Department offering the program</b>	Information Systems
<b>Department offering the project</b>	Information Systems
<b>Academic year / Level</b>	4 <sup>th</sup> year / 1 <sup>st</sup> and 2 <sup>nd</sup> semesters

## A- Basic Information

Title	Project			Code	IS481	
Credit Hours	Lecture	1	Tutorial	-	Practical	5
	Total				6	

## B- Professional Information

### 1 – Overall aims of course

*By completing this project the student should be able to:*

- Train the students to work within a teamwork environment.
- Get some experience in implementing the theoretical theorems practically.
- Enhance practical skills of both the hardware and software stuff.
- Apply the theoretical knowledge to build practical projects in one of the following fields; database systems, office automation, analysis of information systems, geographic information systems.

### 2 – Intended learning outcomes of course (ILOs)

#### 2-a- Knowledge and understanding:

- A2- Computer Information Systems is the study of how data are gathered, stored, processed, and communicated by organizations to produce information.
- A5- How to design and implement information systems.
- A6- How computer hardware and software work together to provide a platform for information systems.
- A8- How IT projects can be strategically managed and developed.

#### 2-b- Intellectual skills

- B1- Developing the ability of thinking in a creative way
- B3- Improving abilities in the area of data and system analysis.

#### 2-c- Professional and practical skills

- C1- Improving the skills of developing information systems
- C2- Developing the skills of system analysis and design.
- C3- Enhancing the skills of programming and database design.
- C5- Preparation of essays, reports, presentations and production of major self-directed project

## 2-d- General and transferable skills

- D4- Communication skills.
- D5- Time management
- D6- Learning and working both independently and in groups

## 3- Contents

Topic	No of hours	Lecture	Tutorial/ Practical
<p><b>The student must submit a project report to the department for evaluation and discussion by the oral examination committee. This committee must contain internal and external examiners. The report may include the following units:</b></p> <p><b>1 Introduction</b> Here the goal and methodology of the project should be stated.</p>	2	2	-
<p><b>2 Previous work</b> This part may contain some of the previous work (if any), to train the student to have the ability to read and understand some related material.</p>	4	4	-
<p><b>3 Theoretical considerations</b> The theoretical background of the project may be considered in this part. It may include the theorems, rules and methodology for the project implementation. When using programming, this part should include the program analysis and data structure.</p>	10	10	-
<p><b>4 Practical work</b> The software or hardware implementation of the project is considered here. It may include the program development and hardware analysis of the project. It also contains the circuit diagrams used in the implementation.</p>	110	10	100
<p><b>5 Results, Discussions,...., etc.</b> The achieved results of the project and its operation are demonstrated in this section. The results justification and discussion are also presented.</p>	41	1	40
<p><b>6 Conclusions</b> This part concludes the project work and its applicability and scalability are presented.</p>	1	1	-
<b>Total sum</b>	<b>168</b>	<b>28</b>	<b>140</b>

## 4- Teaching and learning methods

**The department assigns a supervisor for each project group. External supervisor(s) may also participate in the supervision depending upon the nature of the project.**

- 4.1 Lectures.
- 4.2 Practical experiments in the laboratory.
- 4.3 Exercises and tutorials.
- 4.4 Research assignments.

## **5- Student assessment methods**

### **5-a- Methods**

- 5.a.1 Reports, assignments, exercises, and final written exam to assess knowledge and understanding.
- 5.a.2 Practical work, final practical and oral exams to assess professional skills.
- 5.a.3 Reports, assignments, and discussions to assess general and transferable skills during the project implementation.
- 5.a.4 Final dissertation (report) for the project work. This dissertation is assessed by an examination committee assigned by the department. This committee contains internal and external examiners.

### **5-b- Assessment schedule**

Assessment 1	6 <sup>th</sup> week, 1 <sup>st</sup> semester.
Assessment 2	12 <sup>th</sup> week, 1 <sup>st</sup> semester.
Assessment 3	6 <sup>th</sup> week, 2 <sup>nd</sup> semester.
Assessment 4	15-16 <sup>th</sup> week, 2 <sup>nd</sup> semester ( <i>Oral and practical final exam.</i> )

### **5-c- Weighting of assessments**

• Reports, practical projects, assignments, punctuality and individual activity as well as regular oral and written quizzes	20%
• Final dissertation report.	20%
• Final practical and oral exams	60%
Total	100%

## **6- List of references**

### **6-a- Course notes**

There are lectures notes prepared by project advisor.

### **6-b- Essential books (text books)**

Any related books. It depends upon the field of the project.

### **6-c- Recommended books**

Depends upon the project field.

### **6-d- Periodicals, Web sites, ... etc**

<http://www.ieee.org/web/publications/journmag>

## **7- Facilities required for teaching and learning**

Library contains the essential references.  
Laboratory equipments, apparatus and kits.  
Datashow, screen, and laptop computer.

**Course coordinator:**

**Dr. Hatem Mohammed Said Ahmed**

**Head of Department:**

**Prof. Dr. Nabil Abd-El-Wahid Ismail**

**Date: / /**