Chapter One  
Project Initiation

**1. Initiating Phases**

**1.1 Project Overview**

In our early years in the IT faculty we’ve came to face some problems finding help with some difficult lectures and their material, so the idea for a student driven supplementary educational initiative (3lmny) was needed. So after a year of this initiative’s (3lmny) inception, a dedicated web and mobile application is necessary to enter this IT educational initiative into the digital world.  
  
The initiative helps the students in their academic years through occasional revision lectures, summarization of materials, seminars and suggestions for beneficial online courses.  
  
A Year later, the need for an online platform arose to eliminate some issues 3lmny faced in the past year: no event notification, no schedule, no ability to view missed revisionary lectures, no categorized material and no ability to discuss issues.

In conclusion, a dedicated application will greatly increase the quality of life for the 3lmny beneficiaries to avoid missing revision lectures, finding needed study material and utilizing a schedule.

## 1.2 Evaluation of Current/ Existing Systems:

In this section an evaluation of existing and current systems is needed to be presented to show the differences of both systems and the need for the current system.

### **1.2.1 Current Systems:**

The current system used is the manual approach, through the bulletin board announcements, word of mouth or Facebook announcements.

While it is practical, it’s not effective because it lacks a notification function, a dedicated schedule and no chance for viewing missed revision lectures and no dedicated uploading function for the materials.

### **1.2.2 Existing Systems:**

Here we will review systems similar to our own, but different.

**1.2.2.1 Moodle (lms)**

The existing system is the Moodle, Moodle is a learning management system (LMS), a web application for the use of students and instructors alike, mainly used to students to find material for their curriculums and for instructors to take attendance and add assignments for their students.

While similar to 3lmny application it does not allow students to upload their own summarizations or any helpful files for other students to use, and also does not allow students to discuss each other or ask questions.

## 1.3 Purposes / Goals of the Project

This is a statement for the project’s purpose, goals and a measurement.

**1.3.1 Goal no.1**

**Purpose**: To integrate 3lmny initiative into a web application for students to use.

**Advantage**: Increasing labor productivity.

**Measurement**: 80% of students interested in 3lmny will use this application.

**1.3.2 Goal no.2**

**Purpose**: Providing students with materials, working sheets and exercises.

**Measurement**: It saves time and effort by 70%, because the materials will be categorized.

**1.3.3 Goal no.3**

**Purpose**: Announcing review lectures, seminars and training sessions.

**Measurement**:

**1.3.4 Goal no.4**

**Purpose**: Allowing students to share study materials online.

**Advantage**: Get large database by providing the opportunity for students to upload the learning materials.

**Measurement**:

**1.3.5 Goal no.5**

**Purpose**: Providing a platform for online discussion.

**Measurement**:

**1.4 Stakeholder analysis:**The table below lists all the stakeholders who contributed in building this project, and defines the task that each stakeholder was appointed to, and the importance that each task has for the goal of completing the project.

|  |  |  |
| --- | --- | --- |
| **Stakeholder** | **Interest/Stake** | **Importance** |
| Ibrahim Abu Hadba | Team member | High |
| Mohammad Farhan | Team member | High |
| Ibrahim AlHamad | Team member | High |
| Zaid Manasrah | Team member | High |
| Dr. Nisreen Otoum | Supervisor | High |
| User | By using 3lmny website, a student’s chances of getting top marks and knowledge increase, through the site he can take advantage of hundreds of learning materials and get answers to his questions easily. | Medium |

## 1.5 SWOT analysis:

|  |  |
| --- | --- |
| **Strengths**   * Good coding skills * Great team communication * Great supervisor * Educated users in IT * Team members specialize in their fields * Good developing platforms and technology | **Weaknesses**   * Project requirement may change * No professional experience on the team * Lack of funds and resources   Internal |
| **Opportunities**   * The ability to develop in iOS * Target User’s are educated * Team members come from different backgrounds from IT where there is Software engineering and computer science | **Threats**   * Short time   External   * Conflicts in the team * Technological difficulties * The application will be published only to Ios stores |

Positive

Negative

**1.6 Project Constraints:**

The project constrains is showing the main constrains of this project, solutions constraints and the products constraints

1.6.1 Solution Constraints:1. The mobile application is only avalible through IoS devices and websites**.**

1.6.2 Product Constraints:

1.6.2.1 Time Constraints:

1. The project is due on 17/1/2015 and must be completed and delivered before that time.

2. Insufficient time to complete the project phases.

**1.6.2.2 Cost Constraints:**

1. The system costs must not exceed the budget assigned for the completion of this project.