**INTRODUCTION**

**1.1 Purpose**

The purpose of this document is to present a detailed description of the Online/Blended Digital Course System. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers so that one can be informed of the system’s details and parameters.

**1.2 Document Conventions**

Crow’s notation was used for the data modeling such as the ER, ERD, UML class diagrams. Not many document conventions are being used at this time.

**1.3 Project Scope**

This software system will be an Online Digital Course System for the University’s Lecturers. This system will be designed to maximize the online course experience and the inherited work load by providing tools to assist in automating the online/blended course process, which would otherwise have to be performed manually. By maximizing the lecturer and student work efficiency and production the system will meet the university’s needs while remaining easy to understand and use.

More specifically, this system is designed to allow multiple lecturers to manage and communicate while teaching online courses. The software will facilitate communication between students, lecturers and faculty members. Various forms are used in within the system to provide a uniform data process; the location of these forms is configurable via the application’s maintenance options. The system also contains a relational database containing a list of Students, Lecturers, and course name details.

**1.4 References**

IEEE. *IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.* IEEE Computer Society, 1998.

* Fundamentals of database systems by ramez elmarsi and shamkant b.navathe

**2. System Description**

While previous methods will require faculty staff and lecturers to document and file many different paper trails, creating large bulky workloads, the online system will require little or no paper formats. Lecturers and students can do what is required of them without even leaving their relaxing home. Many human errors can be avoided with this new and improved online system. Lecturers will have more time do perform their jobs efficiently. This system will be meeting the requirement of using “less paper” in planning and executing the online and blended courses.

**4. External Interface Requirements**

USER INTERFACES

* Front-end software: Visual studio asp.net
* Back-end software: MySQL

HARDWARE INTERFACES

* Windows.
* A browser which supports C#.

SOFTWARE INTERFACES

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| **Software used** | **Description** |
| Operating system | We have chosen Windows operating system for its best support and user-friendliness. |
| Database | To save the flight records, passengers records we have chosen MySQL database. |
| asp.net | To implement the project we have chosen asp.net language for its more interactive support. |

COMMUNICATION INTERFACES

This project supports all types of web browsers. We are using simple electronic forms for the user information data form, lecturer and course information etc.

**6. Open issues**