

Chapter 1

1.1 Project Context

The proposed project is named “A Web-based Pre-Admission Framework of Incoming Freshmen Students of Mindanao State University- Marawi”. It aims to design a pre-admission framework that will provide a fast and efficient admission process to incoming freshmen. A web-based application will also be developed for the said pre-admission framework. The proposed project is also focused on the development of a database that is required for the web-based application to be developed.

It is designed to decrease the workload of the staff of Office of Admission in admitting a mass number of students every semester and to have a light process of admission. In addition, they would not need to encode those information of the students given via manual application to the student information system that the existing system has which we could acquire the accuracy of data. It has also a feature to query reports or data about the number of students who had filled up pre-admission together with some information that could be used for decision making of the staff for the admission process.

The proposed project will be designed to guide the students and make them at ease while applying for admission. Instead of making the students fill-out an application form manually, with pens and papers, the students could just apply online or through provided KIOSK and just will confirm by the chairperson of the college that he/she wish to concede and then pass all the required documents in the Office of Admission. Also, the students have given an option either he/she could print his/her filled-out application form to be signed by the Chairperson of the College through any printing shop or private printer or he/she could ask the department to print there.

The proponent of this project will recommend the use of Software Engineering techniques to come up with the desired software and hardware requirements and specification.

1.2 Purpose and Description

The proposed system intended to have a smooth process of admitting an incoming student during admission. This project aims to implement a web-based and preferably an online application for admission process. The automation of repetitive task is what the proponent wish to resolve to achieve a smooth admission process. The following key officer and personnel who will be benefitted in this proposed project are:

Staff of Office of Admission. This user has a privilege to check the application of the students.

Also, edit or manage all the information of the students.

Chairperson. This user will be the one who will confirm the students preferred college that he/she where to concede.

Student. Aside for the privilege to fill up an application online or through KIOSK for admission, he/she has also given to upload all the scanned required documents for admission via online only.

1.3 Objectives

This capstone project aims to design and develop a Web-based Pre-Admission Framework for the incoming Freshmen of Mindanao State University-Marawi. Specifically, this proposed project aims to:

1. Study the current processes of existing system of admission to determine what processes needed to be included and enhanced in the pre-admission process. Also, study various database concepts and select form among them that will be used for the database design of the project.
2. Design the pre-admission framework and the database structure based on the requirements specification obtain from objective one.
3. Design and develop a web-based pre-admission application software implementing the database structure specified in objective two; and

4. Test and evaluate the performance of the framework through the system created using usability and functionality

5. Evaluate the significant influence of the pre-admission framework based from objective four.

1.4 Scope and Limitations

This project will focus only on the creation of a web-based application for online application form for admission of incoming freshmen students of Mindanao State University-Main who passed through System Admission and Scholarship Examination (SASE), this project will not cover the online form for admission of transferee and students who passed through College Entrance Test (CET). It will also provide an interface for attaching files for the required documents of admission of student.

The project excludes the incoming Senior High School for applying online. Also, entering of load subjects for students and billing system are excluded in this project.