**ARAULLO UNIVERSITY**

**PHINMA EDUCATION NETWORK**

**STUDENT INFORMATION MANAGEMENT SYSTEM FOR**

**MARCIANO DEL ROSARIO MEMORIAL**

**NATIONAL HIGHSCHOOL (SHS) v1.0**

A Thesis Proposal Presented to

College of Information and Communications Technology

Araullo University – PHINMA

In Partial Fulfillment

of the Requirements for the Degree of

Bachelor of Science in Information Technology

by:

Gabornes John Paulo P. (Team Leader, System Programmer)

Vicente Joshua Gem N. (System Programmer)  
Silvino Nathaniel S. (Project Manager)  
Murillo Railey R. (System Analyst)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Thesis Adviser

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date

**ARAULLO UNIVERSITY**

**PHINMA EDUCATION NETWORK**

**ADVISER’S RECOMMENDATION SHEET**

This Thesis Proposal entitled

**STUDENT INFORMATION MANAGEMENT SYSTEM FOR**

**MARCIANO DEL ROSARIO MEMORIAL**

**NATIONAL HIGHSCHOOL (SHS) v1.0**

by:

Gabornes John Paulo P. (Team Leader, System Programmer)

Vicente Joshua Gem N. (System Programmer)  
Silvino Nathaniel S. (Project Manager)  
Murillo Railey R. (System Analyst)

And submitted in partial fulfillment of the requirements of the

Bachelor of Science in Information Technology Major in Web Developer

Degree has been examined and recommendation for

Acceptance and approval

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Thesis Adviser

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date

**ARAULLO UNIVERSITY**

**PHINMA EDUCATION NETWORK**

**DEAN AND THESIS COORDINATOR**

**ACCEPTANCE SHEET**

This Thesis Proposal entitled

**STUDENT INFORMATION MANAGEMENT SYSTEM FOR**

**MARCIANO DEL ROSARIO MEMORIAL**

**NATIONAL HIGHSCHOOL (SHS) v1.0**

After having been recommendation approved is hereby accepted

By the College of Information and Communication Technology

Araullo University – PHINMA

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Thesis Coordinator

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dean

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date

**ARAULLO UNIVERSITY**

**PHINMA EDUCATION NETWORK**

**PANEL’S APPROVAL SHEET**

This Thesis Proposal entitled

**STUDENT INFORMATION MANAGEMENT SYSTEM FOR**

**MARCIANO DEL ROSARIO MEMORIAL**

**NATIONAL HIGHSCHOOL (SHS) v1.0**

by:

Gabornes John Paulo P. (Team Leader, System Programmer)

Vicente Joshua Gem N. (System Programmer)  
Silvino Nathaniel S. (Project Manager)  
Murillo Railey R. (System Analyst)

After having been presented is hereby approved

by the following members of the panel

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Panelist Panelist

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lead Panelist

COLLEGE OF INFORMATION TECHNOLOGY AND ENGINEERING

**TABLE OF CONTENTS**

Title Page   
Adviser’s Recommendation Sheet  
Dean and Thesis Coordinator’s Acceptance Sheet  
Panel’s Approval Sheet  
Table of Contents

**CHAPTER 1 –** Introduction

Background of the study.......................... 1.1

Statement of the Problem......................... 1.2

General Problem........................... 1.2.1

Specific Problem.......................... 1.2.2

Objectives of the Study.......................... 1.3

General Objectives........................ 1.3.1

Specific Objectives....................... 1.3.2

Significance of the Study........................ 1.4

Scope and Delimitation.......................... 1.5

COLLEGE OF INFORMATION TECHNOLOGY AND ENGINEERING

**TABLE OF CONTENTS**

**CHAPTER 1 –** Introduction

Background of the study.......................... 1.1

Statement of the Problem......................... 1.2

General Problem........................... 1.2.1

Specific Problem.......................... 1.2.2

Objectives of the Study.......................... 1.3

General Objectives........................ 1.3.1

Specific Objectives....................... 1.3.2

Significance of the Study........................ 1.4

Scope and Delimitation.......................... 1.5

**Chapter I**

**Introduction**

**. Background of the study**

In this day and age, data are the most valuable asset that one can possess. Therefore, data is considered one of the most valuable assets for any organization. As a result, if the data are accurate, complete, organized, and consistent, it will help the organization grow. In contrast, it would become a significant liability.

Furthermore, the amount of data connected to an organization today is unprecedented, making manual processing impossible. Therefore, it is critical to invest in an effective data management system.

**. Statement of the problem**

The existing system in many senior high schools relies on a manual, paper-based approach for managing student information. However, this traditional method poses significant challenges in terms of maintaining accurate and organized student records. The manual system is both labor-intensive and time-consuming, thereby hampering efficiency. Considering these difficulties, the need for an improved approach has become evident. Therefore, we propose the development of a computerized student information management system for senior high schools.

**General Problems:**

The current system involves manual entry of student information using pen and paper, which causes significant difficulties for the faculty. There is a possibility that these records may go missing or be destroyed in an accident. In addition, a problem occurs when you need to search for a record because the records are large in number and the chances of errors are maximum in manual mode.

**Specific Problem:**

* **Manual data entry:**
* Time consuming for the staffs
* Prone to errors during transcription
* Inefficient process
* **Risk of loss or damage:**
* Records may go missing or be destroyed in an accident (fire, water, and damage)
* Irrecoverable loss of important information
* **Record retrieval issues:**
* Time consuming and cumbersome to locate specific records manually
* Leading to delays in finding information or records
* **Difficulty in Accessing Announcements:**
* Students encounter challenges when attempting to check school announcements.
* The current process lacks efficiency, potentially causing students to miss important updates.

**. Objectives**

The proposed MARCIANO DEL ROSARIO MEMORIAL NATIONAL HIGHSCHOOL (SHS) Student Information Management System (SIMS v1.0) provides a dependable management of student records. This can also help the staff to lessen their workload as this will make the process faster and easier.

* **General Objectives**

The general objective of this project is to develop a Student Information Management System for the Senior High School students of Marciano Del Rosario Memorial National High School. This system enhances the efficiency and convenience of school operations. By replacing manual paperwork with a digital system, the school's processes will be faster, resulting in substantial time savings.

* **Specific objectives**

For the realization of the project, the following are the specific objectives:

* Provide an automated enrollment application form
* Create the school’s student portal
* Include announcements in the dashboard and via email of school events, etc.
* Include good security for the system.

**. Significance of the study**

The deployment of the Student Information Management System (SIMS) at Marciano Del Rosario Memorial National High School has several significant effects. Initially, the implementation of this system will help reduce the administrative workload for educators and personnel.

Furthermore, it will afford students convenient access to their academic records and timetables, and foster a more involved and knowledgeable student community through the use of a centralized dashboard. This study effort has the potential to serve as a model for other educational institutions that encounter comparable difficulties in information management.

**. SCOPE AND DELIMITATIONS**

The scope of this project involves the development of a comprehensive student information management system tailored for the Senior High School section at Marciano Del Rosario Memorial National High School. The objectives of the project are as follows:

* Efficient management of SHS student records, including personal information, grades, and attendance.
* Introduces an organized information system that enables quick search and retrieval of records.
* Implements an automated system for generating unique student accounts based on their Learner's Reference Number (LRN), streamlining processes.

The system functionalities comprise:

* Data Storage:
  + Facilitates updating, saving, and deletion of specific data categories, including Personal Information, Bill Statements, and Grades.
  + Note: Online payment and transaction features will not be included; manual methods will be maintained.
* System Access and Usage:
  + Restricted access is limited to authorized personnel: principals, approved faculty, and staff members.
  + Only authorized users, including principals and faculty, will be able to input student grades.
  + The system administrator will retain complete control over system management.  
    Moreover, the project encompasses the creation of a user-friendly web portal, featuring:
* Student Login:
  + Enabling students to access their individual information stored within the system.
* School Information:
  + Present the school’s description, hotline number, and information regarding school-related events through the online portal.

**Delimitations:**

However, there are certain limitations to be acknowledged:

* The proposed system will focus exclusively on Senior High School (SHS) processes and data management, covering students from their initial entry to graduation. Junior High School (JHS) processes will not be integrated into this system..
* While the system will provide students with the ability to view their grades and academic records, online payment functionality will not be included, and manual payment methods will be maintained.
* School announcements will be communicated through email and displayed on the student portal, with a primary focus on conveying essential school-related information.