



ILOCOS SUR POLYTECHNIC STATE COLLEGE
Sta. Maria Campus, Sta. Maria, Ilocos Sur

**ONLINE STUDENT PORTAL FOR THE COLLEGE OF COMPUTING
STUDIES ILOCOS SUR POLYTECHNIC STATE COLLEGE STA. MARIA
CAMPUS**

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Chapter 1

INTRODUCTION

Background of the Study

Student portals are primary portals for higher education institutions, many are also looking to faculty/staff portals to provide faculty and other departments with their own centralized location to do their work. Instructors in CCS ISPSC Sta. Maria Campus can have access to all their classes and student information. (Ingeniux,2018).

The Student Portal is a web-based online project. This website is mainly provided for the students to view their examination marks in each subject. The student portal consists of the type of exams like unit test-I, unit test-II, unit test-III, model exam-I, and model exam-II. The main purpose of the student portal is to provide a greater account of the students and allow the faculty members to add the marks of each and every student. The admin can add a principal, add hod, add a student, and add a department. A student can add/modify self-details, can check time table, and view exam marks. Whereas a Hod can add a timetable, add permission to the teachers and give permission for subjects, and view the grades of students. The teacher can add grades, view timetables, add internals, view grades, and view timetables. The principal can view everything in the student portal. Vamshi Krishna N, & Sakthivel N. (2022).

As reported by Salem Alatawi, Norris Syed Abdullah, Suraya Miskon and Drfahad Ghabban they conducted researchers what is the situation of student portal in Saudi University, what needs to improve and the issues there. The result of the study is, there are some issues faced by Lack in portal content, lack in training and guidelines which effect on students to use the portal. Thus, by providing good portal which involves



student's needs that will help there in their study and also the university may improve and develop the portal based on their student needs. (Salem Alatawi, et.al,2018).

As reported by Jhon Ong Inoco and Alexander A. Hernandez, their study about the Student portal is effective regarding information management, accessible and meets the minimum system quality requirements. (Jhon Ong Inoco and Alexander A. Hernandez ,2017).

Computerized operation is really important for the College of Computing Studies to transact easily and fast using the grade inquiry of the student portal to let the student view their grades. College of Computing Studies has increased in student population and at the same time, the records have to be kept at the CCS office. Students are familiar in using the computer and other gadgets. Most of the students can easily access viewing the school information because of the existence of this product in their respective houses.

This study aims to develop College of Computing Studies Online Portal for Ilocos Sur Polytechnic State College for Sta. Maria Campus and to provide reliable information increase self- confidence and security particularly for the students of CCS Department. It is designed to cater convenient, sufficient and consistent information to end user to help strengthen and enhance the service of the college to students.

Conceptual Framework of the Study

The section of this study was guided by the framework as shown in Figure 1. The inputs of the study included the description of the existing process of releasing grades to students at the CCS, and the identification of the functional and non-functional requirements for the online student portal. These requirements were used to develop the online portal following the Rapid Application Development methodology for software



development which included the phases: Planning and Analysis, Design, Coding, Testing, Implementation and Maintenance. The output of the study would be the functional Online Student Portal for the College of Computing Studies

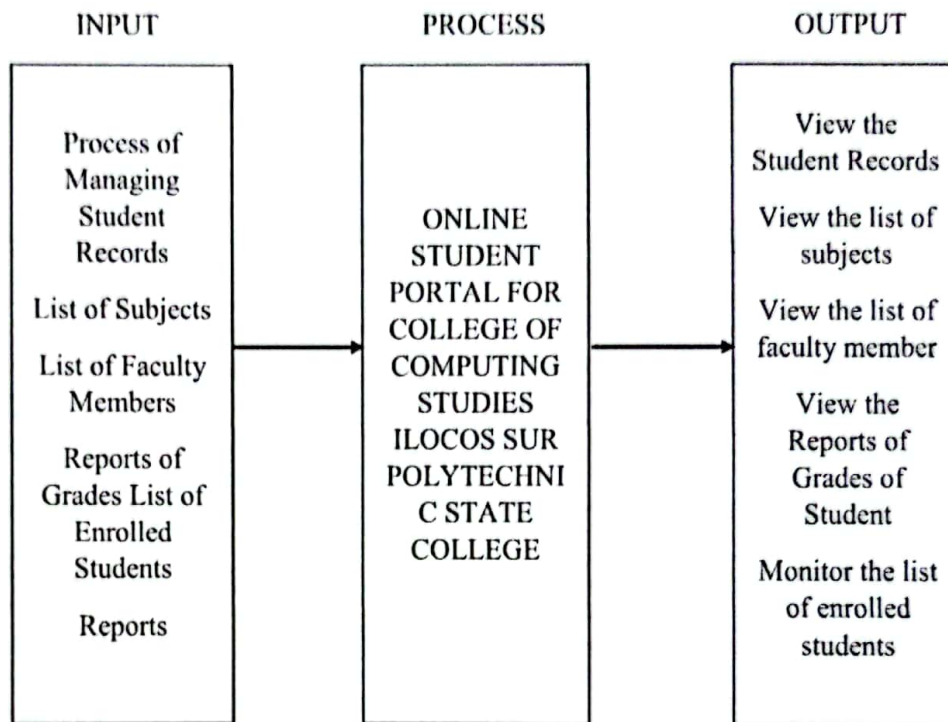


Figure 1. Conceptual Framework of the Study

Figure 1. Shows the Input, Process, and Output for the conceptual framework of the study. Input include current process of online portal in CCS Department, which is process of managing student records, which includes list of subjects, list of enrolled students, and Report. It also shows the input process of online student portal which is view the student records, view the list of faculty members, view the reports grades of students, and last monitor the list of enrolled student.



Objectives of the Study

The study aimed to develop an Online Student Portal for the College of Computing Studies (CCS) of the Ilocos Sur Polytechnic State College (ISPSC), Sta Maria Campus. This objective were carried out by undertaking the following:

1. To determine the existing process of grade inquiry and releasing of grades in the CCS;
2. To determine the functional and non-functional requirements of the proposed system;
3. To test the acceptability of the system.

Scope and Limitation of the Study

This study aimed to come up with the development of the CCS Online Student Portal for Ilocos Sur Polytechnic State College Sta. Maria Campus. The users who are the students from the CCS primarily we allowed to browse their grades online. The students can view their grades, add subjects, incomplete grades and dropped subjects. This developed system has the ability to save, record, submit and view those data of students from the department. The assigned clerk in the registrar is responsible in updating the admin who is the secretary of the CCS Ms. Claire Tamayo who is supposed to have in updating the IP remarks of students before the clerk will print their grades.

This system portal is designed for CCS Department only. The system cannot be accessed by students and faculty from other colleges. Only enrolled CCS students of the ISPSC campus of Sta. Maria can use the developed system.

Importance of the study

The Online Student Portal for the CCS once implemented would provide an efficient medium where students can view their grades anywhere, anytime as long as they are



connected to the Internet. There would be no need to go to their respective Instructors just to view their grades.

The Faculty. The system help the work flow for the instructors easier and the things are done faster and in a better way than before. The instructors can view their students who enrolled their subjects including the input grades of their students.

The Students. The system can help them to see their grades in a faster way. Students are the ones that have a great benefit on the student portal because it will provide them quick access of their corresponding grades even their “In Progress” grade can be checked through the notification message.

The Head or Dean. The system help minimize time for searching records of students. The Dean can also access the developed system and view the names of instructors and students in the CCS Department.

The Registrar. The system could help accurately organize students’ records or data. They can also view the number of students that have enrolled and they can view also the record of students.

The Future Researchers. The future researchers can adopt this kind of research especially if they want to improve this and add more features in the developed system.



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