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CHAPTER 2

2.0 Review in Related Studies

The review of related literature in any subject of study has become an important aspect of the research effort. A review of related literature (RRL) is a thorough examination of existing literature on the topic of a thesis or dissertation. In an RRL, you discuss knowledge and findings from existing literature relevant to your topic. The developers have tried to find out and study the research related to the topic under development, the review of related literature that the developers acquired identified by the various researchers.

The project aims to help and accommodate the students and teachers with their significant problems and transactions within the vicinity of Asia Pacific College of Business and Arts by developing an integrated student portal and enrollment. The details of the studies that are related to the present study are given below under the following:

Students' portal architecture based on SOA.

The student portal represents a major part of university information systems. Lack of component distribution is a gap that leads to many problems in students' portals in most universities worldwide, which is due to tightly coupled components in the current portal framework. This paper reviews the common features of the general portal structure. A comparison between the traditional students' portal framework and the new students' portal framework is presented. In addition, the paper discusses how to distribute the students' portal components. To achieve the components distribution of the portal, Service Oriented Architecture is adopted to address the missing distribution feature. The research contributes towards the higher education field worldwide by providing a components distributable framework that could be followed as a base for building university portals with distributed components. As said by Rami A. Y. Raba, May 2015 <https://ieeexplore.ieee.org/abstract/document/7233087>

Web-based enrollment system with Student Information System

The Web-Based Enrollment System with Student Information System for CISAT uses some functions that are related to the Student's profile. The concepts were implemented as follows: Profiling, Registration, Search, Event Management, Scheduling, Updating, and Payment. By creating different modules for the Student, Teacher and administrator tasks such as inputting student grades, updating their accounts. Administrators can access in monitoring, and scheduling management. As said by Javelosa, Joseph Rei Louis, Kevin Escarilla, Cortes, Sibaton, Vince Kyle, Camarista, <https://repository.cpu.edu.ph/handle/20.500.12852/2328>

Computerized enrollment system

The purpose of this study is to fulfill a better system that will serve as a more reliable tool in registering and enrolling students in an educational institute. The study will show the innovation in registration, entrance examination for first year students and enrollment systems from traditional to automated process. The enrollment system starts with a reading comprehension examination where students are required to register their name before they can proceed to the reading examination. And only those students who passed the entrance exam can enrol at Melchor L. Nava National High School. As said by Atis, Jen, Casiple, Crisian Rex, Farrol, Joylen, Juanillo, Erika 2014 <https://repository.cpu.edu.ph/handle/20.500.12852/1795>

A Student-Centric Prototype

The development of Recommender Systems in universities students' portal provides a significant impact on the student study plan and grades. Such systems are more beneficial when they match the software interface usability goals. Henceforth, the students will be more likely to use them. To the best of our knowledge, there are no proposed prototypes neither research works for Courses Recommender Systems in universities students' portal. Hence, this paper will present a prototype proposal for such a system. The proposed prototype evaluation achieved 4.8643 on the Likert scale reflecting a system with high usability.

Published in: 2019 12th International Conference on Developments in eSystems Engineering (DeSE)

Date of Conference: 07-10 October 2019 As said by Mashael Bin Alamir, Souad Larabi-Marie-Sainte, Deem Alsaleh [07-10

October 2019] <https://ieeexplore.ieee.org/abstract/document/9073453>

Development of a Job Web Portal

This research aims to develop a job web portal for the students in the Faculty of Computer Science and Information Technology (FCSIT), University of Malaya (UM). The main aims of this portal are to connect to the industries and acts as an online recruitment to support the students to find the right IT job after graduation. Furthermore, this system enhances the understanding concept and importance of the job portal for students in the universities. A survey was conducted to identify the students' problems with the existing portal of the

faculty and to gather their requirements which can be

incorporated in to the portal to be developed. As said by Marjan Mansourvar, Norizan Binti Mohd Yasin[February 2014]

<http://www.ijcte.com/papers/834-Z048.pdf>

Web-Based Enrollment System

In the past years, the Philippine Education System still used manual processes during enrollment procedures, not until the pandemic. The process and the start of the academic year didn't go well. Academic institutions are thinking of ways how to get through this process. It may not be a big problem in other private schools; however, it has been a major problem in public schools. In this study, we developed a web-based Enrollment System for Public Junior High School in the Philippines tested in one of the most populous public junior high schools in the province of Cavite. Results show that the requirements set by the user were met. The overall evaluation shows that the system is effective and useful in addressing what the school needs. As said by Roderick F. Mayo, Arlene T. Villanueva, Khate Angelica B. Ortiz, Anna Camille M. Reyes, Justin Jerome S. Payad, Ramon L. Rodriguez, Elcid A. Serrano [10-11 December 2022 <https://ieeexplore.ieee.org/abstract/document/10071564>

MATCHED SOURCES:

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<http://www.ijcte.com/index.php?m=content> (<http://www.ijcte.com/index.php?m=content>)

[A Case Study in the Province of Cavite Public Schools](#)

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[Web-Based Enrollment System for Public Junior High School in the ...](#)

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