

Usability of Guidance Office Information System

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Abstract

Computers are now commonly utilized for information systems, even mobile phones and other devices. The vast majority of individuals in today's world use various systems. Majority of the people today is using different types of system from the other. While some of them use it for government, educational, business, and other purposes. The goal of the guidance office information system was to enhance the services offered by the guidance office by making it simple for each student to access their electronic records by logging into a personal account. All of the student records can be simply updated, and the students can take use of whatever information they might learn from the system. The administrator is in-charge of keeping this system updated, and he or she is also in-charge of updating any new information that is gathered. The staff members who provide direction are the ones that update, revise, and add new data. The counseling staff will oversee all documents for record-keeping purposes and act as the administrator as well. This study employed the XAMPP 32 7.1.1 which gives local hosting for the system, the Hapedit where the code must be placed, and the MYSQL which functions as a holder or server in providing access to databases. There is no need to visit the school to request a student's record because it is accessible online. To improve the system's performance and value, the school must upgrade it.

Keywords: Guidance, Office, Information System, School, XAMPP, MYSQL

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I. Introduction

Confronted by increasing incidents of violent behavior in schools, educators are being asked to make schools safer. Schools, however, receive little guidance or assistance in their attempts to establish and sustain proactive discipline systems. One area of need lies in directions for use of existing discipline information to improve school-wide behavior support [1]. When guidance and counseling services are not effective and face many challenges, student's adaptation becomes threatened leading to low academic performance, misbehavior and dropout cases. It is believed that when counselors have time, resources and the structure of a comprehensive program to work in, good things happen i.e. guidance and counseling interventions improve academic achievement, students take more demanding courses, develop and use career plans and learning and teaching institutions will have more positive climates [2]. The development of the counseling process format formed a variety of alternative media that are capable of accommodating the communication process between the counselor and the client. The Media creates an atmosphere of counseling in long-distance (distance) condition that has some advantages as well as disadvantages. One of the distance counseling forms is counseling online. With one form of service with fairly new developments, online counseling has had a significant positive impact on easing the client's problems. But on the other hand, this service also has some weaknesses that must be understood and controlled, especially for a counselor [3].

The Guidance Office Information System creates and implements development programs to help students mature holistically as they progress through the various learning stages. Counseling, test interpretation, and individual inventory are all services provided by guidance counselors.

The researchers evaluate the usefulness of the system. Usability evaluation is an essential part of user-centered product development. Evaluations can be done without users with inspection methods, or with users by user testing methods, such as usability testing. Usability testing is an evaluation method in which one or more representative users at a time perform tasks or describe their intentions under observation [4].

This study aims to develop services, provide effectiveness through safe recordkeeping, preserve student data even over a long period of time, assist students in viewing their offense and deficiency records, offer online psychological testing for students, reduce the use of paper for recording, and enable parents to view their children's records.

Conceptual Framework

The researchers conceptualized the Usability of Guidance Office Information System. The input-processes-outcomes (IPO) model was used to group and describe the extant research [5]. The Input phase refers

to the student inquiries, data gathering results and end user requirements. The Process phase was the observation, interview and evaluation of the student. The Outcome process is the system's usability.

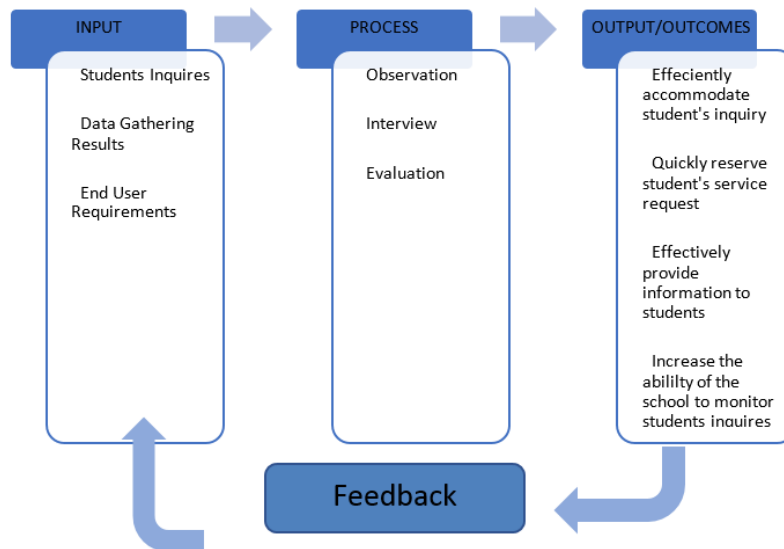


Figure 1 The Conceptual Framework of the Study

II. Methodology

Research Design

Research design is a critical topic that is central to research studies in science, social science, and many other disciplines. After identifying the research topic and formulating questions, selecting the appropriate design is perhaps the most important decision a researcher makes [6].

Descriptive research is used in this research. Descriptive research is a study of status and is widely used in education, nutrition, epidemiology, and the behavioral sciences. Its value is based on the premise that problems can be solved and practices improved through observation, analysis, and description. The most common descriptive research method is the survey, which includes questionnaires, personal interviews, phone surveys, and normative surveys [7].

System Analysis

The users and students were questioned by the researchers to determine whether the system functions well and meets their needs during the analysis. The researchers ran their first run through the system after collecting the data.

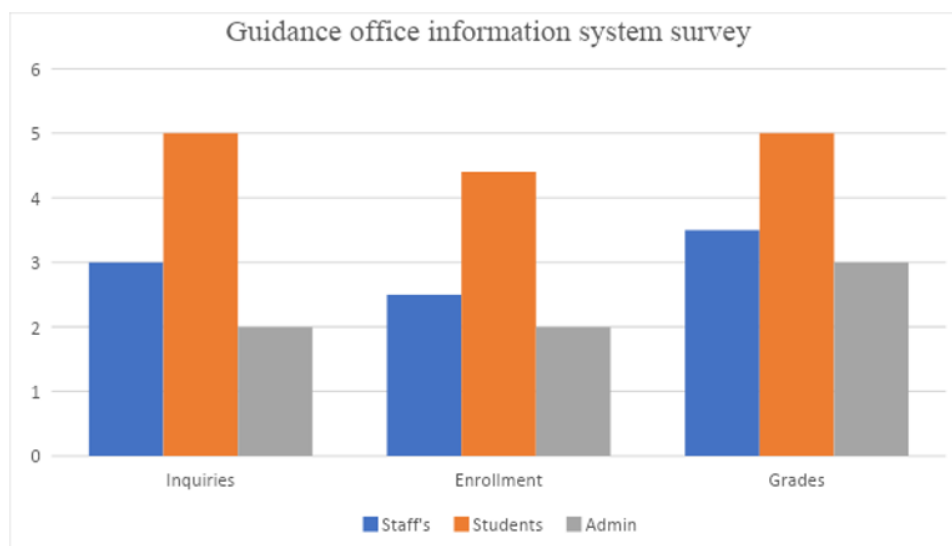
Testing

The system is tested by the researchers to see if it meets user and student needs and functions properly. Users are informed by researchers that the system has to be upgraded to provide both users and students with better services.

Implementation

The system's performance was covered at this phase. In this stage, it was also addressed whether the users' and students' proposals for the functions should be implemented.

III. Results and Discussion



The study was conducted by gathering the functional requirements of the system from the intended users. These requirements include all the necessary inputs, processes and outputs to automate the record and retrieval of student's routine inquiry, student's service request and personal records.

The study is a descriptive research since the evaluation of the system was conducted using survey method to describe the system performance.

To determine the respondents for the study, a purposive sampling or judgment sampling technique was used by the researchers. The researchers invited five (5) Staff's, Students and Admin to evaluate the system. The study shows that Functionality, Reliability, Usability, Efficiency, Maintainability, and Portability is needed to improve the system.

IV. Conclusion

The duty of the guidance counselor is to be aware of each student's behavior toward other students and their overall achievement throughout the semester. For the benefit of the guidance counselor, the guidance office information system provides a personal record of the students. The system will update as requested by the users. The technology will allow students to examine their information and see if they have committed any infractions.

The researcher comes to the conclusion that an efficient online information system generates academic knowledge that meets the needs of the students. This approach has a significant impact on education since, in today's world, almost every quick-turnaround task involves a computer. The system needs to be upgraded and maintained for its improvements in terms of maintenance to give the user and the students a better service. In addition to the rules and regulations of the school that are listed in the system and are approved by the administration, students should be aware of school changes.

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