ONLINE ENROLMENT RESERVATION SYSTEM WITH SMS NOTIFICATION IMPLEMENTING DESCRIPTIVE ANALYTICS FOR BINAN CITY SENIOR HIGH SCHOOL

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Abstract: The Online Enrolment Reservation System with SMS notification Implementing Descriptive Analytic was proposed in replacement of the Manual Enrolment System of the institution for it to have an organized flow of transaction and an ease of work especially to the administrators of Binan City Senior High School. As the enrollees increase every year, enrolment procedure becomes harder to deal, this also a big help to all enrolment staff, especially under the computer department because they are the one who are entitled to head and update the information in the database. Having this system helps the school in upgrading the enrolment process so as they meeting the qualities that we are trying to achieve. Today, the use of the technology has been an effective tool on improving such as kind of enrolment system.

Keywords: Descriptive Analytics; Implementing; SMS Notification; Reservation System; Online Enrolment

1. INTRODUCTION

Nowadays innovation is primary need of man, that is, innovation in Information Technology that is currently getting broader and wider, the different application of technology can be seen anywhere, everywhere as a means of communication for business and other matters. With this change, humans tend to look for any gadget of high technology innovation such as computer, where it can be used to provide people accurate information about the things around the environment which bring comfort and satisfaction. Online Enrolment Reservation System is a good example of a computer-generated process. This can lessen the workload and provide accurate information needed by the school. As a result, it will benefit not only the student but the administration as well. Often, it is time consuming for a student to be enrolled, but because of this system, students can be easily reserved their slots for their enrolment convenience. The enhancement of Online Enrolment Reservation System with SMS Notification Implementing Descriptive Analytics creates using PHP/MySQL and this system can help reduce the man power needed to facilitate an enrolment process.

SMS notification becomes useful for its purpose, to notify every user of their transaction. This implementation gives tract for the members of their transaction.

Descriptive Analytic is the preliminary stage of data processing that creates a summary of historical data to yield useful information and possibly prepare the data for further analysis. Binan City Senior High School is located in San Antonio Binan Laguna. The number of students in the school is 1,700 students. 800 Grade 11 students and 900 Grade 12 Students.

This study was conceived for the development of Online Enrolment Reservation System with SMS Notification for San Antonio Senior High School. During the time of enrolment, the registrar also commits errors when manually gathering data and writing it in a sheet of paper. Manual enrolment system is not organized sometimes. Manual enrolment can cause a lot of work for the administration too. The specific problem of the study is how the proponents will develop an Online Enrolment Reservation System. How students can reserve their slots through online without going to school. How students will notify easily about their enrolment status. During enrolment period, students are quite busy for manual enrolment. For their convenience, they can apply their slot online through this proposed system. Online Enrolment Reservation System with SMS Notification Implementing Descriptive Analytic will help reduce the man power needed to facilitate an enrolment process.

2. DESIGN OF THE STUDY

Figure 1 System Architecture

The figure above shows the different components of Enrolment Reservation System. The Administrator is
the one who controls the students ‘Information and registration. The SMS Module for reservation confirmation. The Report Module will be used to generate reports about the reservations. The Descriptive analytic will be used as the summarization of all reports in a graphical form.

Figure 2 Database Schema

This figure shows the database design of the proposed system. The database name is cctdb and is consists of 5 tables.

2. LITERATURE SURVEY

According to the Authors, in this study [1] can help to reduce the man power needed to facilitate an enrolment process. SMS notification becomes useful for its purpose, to notify every user for their transaction. This implementation gives tract for the members of their transaction.

According to the Authors, to develop this Online Enrolment Reservation System with SMS Notification Implementing Descriptive Analytics for Binan City Senior High School [2] the students cannot be aware of their grades as the year ongoing. They need a system that can provide grades and subject information by sending SMS Notification. This system is the solution to make the computation of final grades easier and faster.

According to the Authors, in this study [3] the system’s provided daily, weekly and monthly report can help the administration to monitor the on-going enrolment and the applicants as well. Descriptive analytic report of the system can give the administration a graphical report about the enrollees.

3. FLOW CHART

Figure 3 Administrator

Figure 4 Student

Figure 5 SMS Notification

3.1 USE CASE DIAGRAM

Figure 6 Admin Web Module

The diagram shows that when the admin logged in, he can accept the student Web Account Registration. The admin has the authority to manage records, update students about their reservation
application. Every time there is an update about the students’ application, an SMS notification will be sent to the student’s registered number to notify him or her about the reservation application.

**Figure 7** Student Web Module

The student Web Module will help for the transparency of the system. The diagram shows that a student will register and once register the student can log in via registered web account. Once logged in, the students can fill up the enrolment form and submit their application.

**Figure 8** SMS Module

The diagram shows that once the administration accepts their registration, students will notify through SMS concerning the students’ reservation status.

**Figure 9** Descriptive Analytic Module

The Descriptive Analytic will be generated as a monthly report. The collected raw data will be shown as readable figures.

4. RESULTS AND DISCUSSION

**Figure 10** Homepage

System’s Homepage where students can view the courses, facilities and list of faculty.

**Figure 11** School Facilities

The figure above shows the different school facilities the student can access during their stay in the school.

**Figure 12** Different Strands Offered

The figure above shows the different school facilities the student can access during their stay in the school.
The figure shows the different courses that the school can offer to the students.

![Figure 13 Login Page](image1)

The figure above shows the log in page of the website.

![Figure 14 Registration Page](image2)

The figure shows about the register page of new student who want to reserve a slot.

![Figure 15 SMS Notification](image3)

The figure above shows the SMS notification for the students that reserved their enrolment slot.

![Figure 16 Descriptive Analytics Report](image4)

The figure above shows the descriptive analytic report of the enrolment reservation system.

5. SUMMARY

Online Enrolment Reservation System can lessen the workload and provides accurate information needed of the school. As a result, it will benefit not only the student but the administration as a whole. Suddenly it takes time before a student to be enrolled, therefore the objective in this research is to make enrollment much easier than doing it manually. Also, to provide the school’s official website that will feature the school itself. Students can easily create their account and simply registered as an applicant. When the administration approves the student enrolment application, they will send an SMS to the students and the students can bring their requirements to the school to be officially enrolled. The enhancement of Online Enrolment Reservation System with SMS Notification Implementing Descriptive Analytics creates using PHP/MySQL and this system can help reduce the man power needed to facilitate an enrolment process. MS notification becomes useful for its purpose, to notify every user for their transaction. This implementation gives tract for the members of their transaction.

5.1 CONCLUSION

Based on the aims of the study and the results of the evaluation the following conclusions were drawn;

1. The system will feature the study for Binan City Senior High School. It’s mission and vision, its facilities and strands, and also the professors and staffs.

2. The system provides the school’s online reservation system. Based on our interview, the system achieved to lessen the administration’s work during enrolment.
and user friendly for both students and school’s administration.

3. Because of the system’s SMS notification, the students can be notified by the administration about their enrolment application, its process and the student’s enrolment status.

4. The system’s provided daily, weekly and monthly report can help the administration to monitor the ongoing enrolment and the applicants as well.

5. Descriptive analytic report of the system can give the administration a graphical report about the enrollees.

5.2 RECOMMENDATION

The researcher of the study further recommends the following:

1. Maintaining the system and monitor the student’s applications.
2. Adding android application for easy access.
3. Offline records for administration.

REFERENCES