MANAGEMENT INFORMATION SYSTEM OF SANTIAGO NATIONAL HIGH SCHOOL - GENERAL TRIAS, CAVITE

THESIS

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ABSTRACT

BACONES, NATHANIEL V. and CABONCE, LUDWIG B. Development of Management Information System for Santiago National High School. Undergraduate Thesis. Bachelor of Science in Information Technology. Cavite State University, Indang, Cavite. April 2014. Adviser: Ms. Charlotte B. Carandang.

The study was conducted to provide an integrated solution, by the development of management information system that addressed the issues of difficulty in handling the records of the students, lack of data security, slow data retrieval, unorganized management of reports, difficulty in monitoring students' grades in other subject, and delayed information.

The system automates the process of handling the records that serves as the entry of all student information that is automatically stored in the database. This allows for the faster retrieval of needed data and generation of accessible reports. Employee profiling as well as uploading of grades are automated as well. Moreover, the system provides user accounts for the administrator, teachers, guidance counselor, registrar, students and the principal.

Software development methodology was used upon the development of the study. It consists of seven phases namely; analyze/planning, breakdown priority project, design, code-test/debug, integration of sub procedure, integration with existing system, and test/implementation.

The system was developed using numerous software tools; PHP as the scripting language, MySQL as the database management system, and Adobe Photoshop and Dreamweaver for the design of the system.

The system was evaluated in terms of its functionality, reliability, usability, efficiency, maintainability, and portability. The respondents were composed of teachers, guidance staff, and students of Santiago National High School. Evaluation results indicated that the system had passed and completed the needed requirements. Based on the results of the study, the proponents have the following recommendations for further improvement of the study; include functionality for monitoring the daily attendance of the students that can be retrieved for additional details in printing the form 138 and form 137, provide a help module that will serve as user's manual for faster way of learning different system functionalities, and include functionality for generating a chart representation of statistical reports that the system can provide.

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INTRODUCTION

Management Information System (MIS) is an organized, automated, and diverse information system that gathers, stores, processes, and distributes data associated with different departments of the organizations. This data can be processed in various forms, such as graphs, diagrams, charts and reports to generate accurate, relevant and valuable information for the management. This information is further communicated to the various departments to be used for decision-making and organizational management (Delaaz, 2009).

Management information system provides better storage of data that leads to faster retrieval of information. It eliminates vast storage space that is consumed by filing cabinets. Through this also, the organizations will have the capability to highlight their advantages and weak points due to the existence of some reports, workers overall performance record, and others (O'Brien, 2010). These functions will be helpful for an