

DEVELOPMENT OF MANAGEMENT INFORMATION SYSTEM
FOR PAYAPA NATIONAL HIGH SCHOOL
PAYAPA ILAYA, LEMERY, BATANGAS

THESIS

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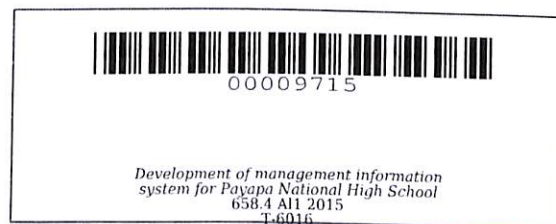
THESIS/SP 658.4 AI1 2015

April 2015

**DEVELOPMENT OF MANAGEMENT INFORMATION SYSTEM
FOR PAYAPA NATIONAL HIGH SCHOOL
PAYAPA ILAYA, LEMERY, BATANGAS**

Undergraduate Thesis
Submitted to the Faculty of the
College of Engineering and Information Technology
Cavite State University
Indang, Cavite

In partial fulfilment
of the requirements for the degree
Bachelor of Science in Information Technology



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April 2015

ABSTRACT

ALAMAG, MICHAEL D. and CAPARAS, ZAIRA MAE C. Development of Management Information System for Payapa National High School, Payapa Ilaya, Lemery, Batangas. Undergraduate Thesis. Bachelor of Science in Information Technology. Cavite State University, Indang, Cavite. April 2015. Adviser: Ms. Vanessa G. Coronado.

The study entitled, “Development of Management Information System for Payapa National High School, Payapa Ilaya, Lemery, Batangas” was conducted to address the concerns of the institution regarding data keeping and data organizing. Moreover, the system was built to solve the existing problems that the school encountered using traditional system. The system has 5 level of access: administrator, principal, head teacher, teacher, and guidance counselor. Furthermore, the system has the capability to automate student enrolment, sectioning, uploading of grades, monthly attendance, and textbook inventory.

The method used during the development of the study was iterative development methodology. It has 5 phases: planning/requirement phase, analysis and system design, implementation phase, testing phase, and evaluation. The process in this method was then repeated producing a new version of the system until it was completed.

The software specification used during the development of the study was Netbeans IDE 8.0, a Java platform as a development language and My Structured Query Language (MySQL) as system database.

The system consisted 6 modules: account management module, admission module, grading module, textbook inventory module, school personnel basic profile module, and report generation module. The developed system was evaluated by the

faculty and staff of Payapa National High School. The results satisfied all the criteria of the evaluation and met the identified objectives of the study.

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An undergraduate thesis submitted to the faculty of the Department of Information Technology, College of Engineering and Information Technology, Cavite State University, Indang, Cavite in partial fulfilment of the requirement for the degree of Bachelor of Science in Information Technology. Contribution No. CEIT-2014-15-030. Prepared under the supervision of Ms. Vanessa G. Coronado.

INTRODUCTION

Information System (IS) is a consistent and coordinated set of components acting together toward the production, distribution, or processing of information (Ratzan, 2004). It is a system designed to support operations, management, and decision making in an organization (Eccles *et al.*, 2000).

Management Information System (MIS) is the most common type of management support system. It provides information to the stakeholders to help in routine decision making process. It produces reports in different formats as desired by the stakeholders. It uses internal databases and transaction processing system to update the information, and sometimes, data from external sources are also used (Bagad, 2009). The information that these systems provide will not affect operations in the short term, but it will form the basis for longer-term decisions with broader and wider implications for operations. The focus in these systems is on summarizing and analysing transaction data for the benefit of effective managerial decision-making (van der Heijden, 2009).