DEVELOPMENT OF STUDENT INFORMATION SYSTEM FOR MENDEZ CHRISTIAN ACADEMY

An Undergraduate Thesis
submitted to the faculty of
Department of Information Technology
Cavite State University
Indang, Cavite

In partial fulfillment
of the requirements of the degree of
Bachelor of Science in Information Technology

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ABSTRACT

BAY, RAY JULIAN R and CAPUCHINO, ANGELICA B. Student Information System for Mendez Christian Academy. Undergraduate Thesis. Bachelor of Science in Information Technology. Cavite State University, Indang, Cavite. May 2018. Adviser: Ms. Vanessa G. Coronado

The study was conducted from July 2016 to March 2017 at MCA, Asis III Mendez, Cavite and Cavite State University, Indang, Cavite to develop a Student Information System (SIS) for Mendez Christian Academy (MCA). Specifically, it aimed to: 1. identify the problems currently faced by the school by the means of interview; 2. analyze the identified problems using fishbone diagram; 3. develop and design a system using PHP, HTML as programming language which will be connected to a database for record-keeping using MySQL; and 4. evaluate the system using unit integration and acceptance training. Moreover, the system was built to provide efficient information and should be enable fast processing of data with accuracy of result generated.

The researchers used the iterative software development methodology in the development of the system which includes 6 phases: requirement phase, analysis and design phase, implementation phase, testing phase, development phase, and evaluation phase. The system has 4 level of access: administrator, teacher, students, and parents. Furthermore, the system has the capability to automate sectioning, and upload of grades. The system consisted of 5 modules: account management module, student profile module, student activity module, grade entry module, and report generation module. The system was evaluated by the participants based on the following criteria: functionality, reliability, usability, efficiency, maintainability, and portability. Evaluators were

composed of 50 students, 50 parents, 10 teachers, and 10 IT experts from MCA. The system passed all the criteria and met all the requirements and the objectives.

TABLE OF CONTENTS