MANAGEMENT INFORMATION SYSTEM FOR PROVINCIAL VETERINARY OFFICE, TRECE MARTIRES CITY

THESIS

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ABSTRACT

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The study was conducted from June 2015 to February 2016 at Cavite State University, Indang, Cavite to develop a management information system for Provincial Veterinary Office, Trece Martires City. Specifically, it aimed to: 1. identify the problems and requirements of the study through conducting research and interview; 2. identify the problems using fishbone diagram; 3. design the management information system through the use of use case diagram and sequence diagram; 4. develop the software program using Visual Basic.Net as a programming language, My access as a database, and Adobe Photoshop for the design; and 5. implement testing and evaluation.

Iterative Methodology was used for the development of the software. It has five phases namely: analysis and design, implementation phase, software testing phase, evaluation phase and deployment phase.

The system was developed using Adobe Photoshop and VB.NET as the programming language and interface design and MS Access for the database. Microsoft Word 2016 was used for documentation and Windows 8 as the Operating System.

The software evaluation used the following criteria: functionality, reliability, usability, efficiency, maintainability, and portability. Staff, IT expert and students of the Cavite State University Main Campus served as the evaluators of the system. The software passed all the criteria for the evaluation and had met all the needed requirements for the software.

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INTRODUCTION

A Management Information System (MIS) provides information which is needed to manage organizations effectively and efficiently. It involves the people, technology and information, which are the primary resources. Initially in businesses and other organizations, internal reporting was produced manually and only periodically. Data are organized manually according to the requirements and necessity of the organization. As computational technology developed, information began to be distinguished from data, and systems were developed to produce and organize abstractions, summaries, relationships and generalizations based on the data (Akanmu, 2010).