

**MANAGEMENT INFORMATION SYSTEM FOR
TRECE MARTIRES CITY CAVITE FIRE STATION**

THESIS

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✓MANAGEMENT INFORMATION SYSTEM FOR TRECE MARTIRES CITY
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ABSTRACT

GHENDYLYN C. ACASIO and JOSEPH FERDINAND M. BEATO. Management Information System for Trece Martires City, Cavite Fire Station. Undergraduate Thesis. Bachelor of Science in Information Technology. Cavite State University, Indang, Cavite, March 2016. Adviser: Ms. Vanessa G. Coronado

The study was conducted to develop a management information system that will improve the process of transaction in storage of information, scheduling for the employee and accurate and timely reports in the Trece Martires City, Cavite Fire Station.

The methodology used in the software development was Iterative Project Development which is composed of the following phase: planning, requirements, analysis, design, program coding, test and evaluation.

The Management Information System for Trece Martires City, Cavite Fire Station is composed of four modules. The Account module for levels of access, Employee module that handles the creation of employee and schedule for specific building evaluation, Transaction module for the core of the application which entitles to record every transaction made and the Report Generation module which handles different reports that can generate through the system.

The system was developed through the use of different applications; Microsoft SQL Server for the database management system, Visual Basic.NET as the programming language, Adobe Photoshop for the design and interface of the system.

The system was evaluated by using indicators that is graded from one (1) to five (5) wherein 5 is rated as excellent, 4 as very good, 3 as good, 2 as fair and 1 as poor. The system passed the criteria and met the expected output.

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INTRODUCTION

Management Information System (MIS) is a set of interrelated components which collect, retrieve, process, store and distribute information to support decision-making of managers in an organization. It collects information in a systematic and routine manner which is in accordance with a well-defined set of rules (Gupta, 2011).

MIS helps in providing the management of an organization with information which is used by management for decision making. Management information systems are needed by all the organization because of the increased complexity and rate of change of today's industry. Bureau of Fire Protection in Trece Martires City is one of the organizations in Cavite that helps the community in terms of fire prevention and