

MANAGEMENT INFORMATION SYSTEM FOR
KAONG NATIONAL HIGH SCHOOL
KAONG, SILANG, CAVITE

THESIS

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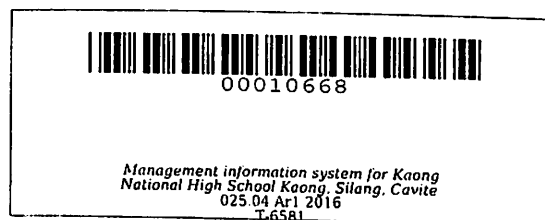
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✓ **MANAGEMENT INFORMATION SYSTEM FOR KAONG NATIONAL HIGH
SCHOOL KAONG, SILANG, CAVITE**

Undergraduate Thesis
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In partial fulfilment
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Bachelor of Science in Information Technology



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ABSTRACT

ARBIGOSO, JOHN ERMY A and TORRES, JOSHUA S. Management Information System for Kaong National High Shool, Kaong, Silang, Cavite. Undergraduate Thesis. Bachelor of Science in Information Technology. Cavite State University, Indang, Cavite. April 2016. Adviser: Ms. Vanessa G. Coronado

The study was conducted from November 2014 to March 2015 at KNHS, Silang, Cavite and Cavite State University, Indang, Cavite to develop a Management Information System (MIS) for Kaong National High School (KNHS), Brgy Kaong, Silang, Cavite. Specifically, it aimed to : 1. identify the common problems encountered by the school in managing their files; 2. analyze and specify the existing problem through the use of fishbone diagram; 3. design the system using rational unified process (RUP); 4. develop the functionalities of the system using Java and MySQL for the database management; and 5. perform testing to test if all functionality, responsiveness, and stability of all modules are working properly. Moreover, the system was built to provide efficient information in each transaction, a system should be user-friendly and should enable the fast processing of data with accuracy of result generated.

The researchers used the RUP the software development methodology in the development of the system which includes four (4) phases: inception phase, elaboration phase, construction phase, and transition phase.

The system has 3 level of access: administrator, teacher, and guidance counselor. Furthermore, the system has the capability to automate student enrolment, sectioning, and uploading of grades. The system consisted of 6 modules: account management module, student registration module, student rating 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 48 respondents, 43 general public, and five (5) IT experts from KNHS. The system passed all the criteria and met all the requirements and the objectives.

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MANAGEMENT INFORMATION SYSTEM FOR KAONG NATIONAL HIGH SCHOOL

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INTRODUCTION

Management Information System (MIS) is a computer-based system that makes information available to users with similar needs. According to Margaret Rouse (2002), the information describes a centrally-coordinated system of computer expertise and management, often including not only mainframe systems but also extension of the corporation's entire network of computer resources. Moreover, in this integrated system of man and machine for providing information, can support the operations and management function in the organization.

And based on the study of Naval and Sapitan (2007) by standing the side of information technology, a well-developed information system infrastructure is basically consist of telecommunication network systems, hardware, software, and database. MIS is used to analyze other information systems applied in operational activities in the group of information management method tied to the automation or support of human decision-making.