

**DEVELOPMENT OF LIBRARY MANAGEMENT SYSTEM FOR
INDANG EAST ELEMENTARY SCHOOL**

THESIS

**JUSTINE LLOYD P. DAYOAN
TIMOTHY JOHN A. SIMODLAN
CHERILYN R. TIBAYAN**

**College of Engineering and Information Technology
CAVITE STATE UNIVERSITY
Indang, Cavite**

June 2019

DEVELOPMENT OF LIBRARY MANAGEMENT SYSTEM FOR INDANG EAST ELEMENTARY SCHOOL

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

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



*Development of Library Management System
for Indang East Elementary School
025.04[D33 2019
T-8731*

**JUSTINE LLOYD P. DAYOAN
TIMOTHY JOHN A. SIMODLAN
CHERILYN R. TIBAYAN**
June 2019

ABSTRACT

DAYOAN, JUSTINE LLOYD P., SIMODLAN, TIMOTHY JOHN A. and TIBAYAN, CHERILYN R. **Development of Library Management System for Indang East Elementary School** Undergraduate Thesis. Bachelor of Science in Information Technology. Cavite State University, Indang, Cavite. June 2019. Adviser: Mr. Ace Amiel E. Malicsi.

The study entitled, “Development of Library Management System for Indang East Elementary School” was conducted to provide an automated system that addresses the issues of using manual process in library, issuing, and returning of library materials, recording and generating reports of the transactions in the library, and notifying the borrower. The system has two user types: the administrator and the patron.

The system is composed of five modules namely: account management, record management, transaction processing, report generation and SMS notification.

The system was developed with the use of the following development tools: PHP as the programming language; Adobe Photoshop for the design of the system; Sublime as the text editor and MySQL for the database of the system.

Iterative Development as the development methodology was used which has seven phases: planning, requirements, analysis and design, implementation, testing, deployment and evaluation phase.

The system was evaluated based on the given criteria: functionality, reliability, usability, efficiency, maintainability, portability, and user-friendliness. Evaluators were composed of the following: Information Technology (IT) experts, students, teachers and staff of Indang East Elementary School. The system passed all the given criteria in the evaluation and met all the requirements of the software.

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**Justine Lloyd P. Dayoan
Timothy John A. Simodlan
Cherilyn R. Tibayan**

An undergraduate thesis manuscript submitted to the faculty of the Department of Information Technology, College of Engineering and Information Technology, Cavite State University, Indang, Cavite in partial fulfillment of the requirements for the degree Bachelor of Science in Information Technology with Contribution No. CEIT 2018-19-2-086
Prepared under the supervision of Mr. Ace Amiel E. Malicsi.

INTRODUCTION

Library management system, also known as automated library system, is an enterprise resource planning system for a library. It is a multi-function system that allows libraries to handle their catalogue records as well as circulate them to the user (Tosin, 2015). It is a software that has been developed to handle basic housekeeping functions on the library and used to manage the catalog of the library. This helps to keep the records of whole transactions of the library materials found in the library. It helps to provide information on any library material present in library to the user as well as staff member.

The researchers acquired the data and information from the Indang East Elementary School through interview with Mrs. Nerisa Austral Venzon, the school librarian. Moreover, the information that has been presented by the school librarian have been validated by the school principal for accurate and concise data acquisition. The school has a total number of 308 students as of school year 2018-2019. The school library haves more than 500 books