

**ONLINE CATALOGING OF THE COLLEGE OF ENGINEERING
AND INFORMATION TECHNOLOGY READING ROOM**

Undergraduate Thesis
Submitted to the Faculty of the
College of Engineering and Information Technology
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Bachelor of Science in Information Technology

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ABSTRACT

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The system was developed to provide an organized online storage of all theses and books in the reading room for the benefits of the library in-charge, the students and researchers. This consists of five modules : the Account Management Module that handles all the account of the students and the administrator; the Collaborative Module that is used for adding of tags, rates and comments; the Report Management Module that contains all the reports generated by the system; the Content Management Module that is used for adding, editing and updating the information about the data and the transactions that happen; and the Search Module that is used to search categories by title, author, date, adviser, technical critic, and tags.

The proponents used the software development process in their methodology. This was composed of different phases: the analyze/planning phase, breakdown phase, design module phase, code/test phase, integration of sub procedure and testing phase and final testing phase.

During the designing phase, CSS template and photoshop were used in constructing the website and enhancement of the system. During the coding phase, the following tools were used to develop the system: Hypertext Preprocessor (PHP) as scripting language; My Structured Query Language (MySQL) for the database; internet for the WAN connection; and Dreamweaver and Notepad++ as an editor for the PHP script.

The system was evaluated based on functionality, reliability, usability, efficiency, maintainability and portability of the software. The level of acceptance of the users was obtained; thus, success was established in meeting the requirements and expectations needed by the users.

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