INFORMATION TECHNOLOGY ASSET LIFE CYCLE MANAGEMENT SYSTEM IN COLLEGE OF ENGINEERING AND INFORMATION TECHNOLOGY

THESIS

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INFORMATION TECHNOLOGY ASSET LIFE CYCLE MANAGEMENT SYSTEM IN COLLEGE OF ENGINEERING AND INFORMATION TECHNOLOGY

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ABSTRACT

ROLLE, RIZALDY S., and PAITON, CHRISTINE JOY G. Information Technology Asset Life Cycle Management System of College of Engineering and Information Technology Undergraduate Thesis. Bachelor of Science in Information Technology, Cavite State University, Indang, Cavite. April 2014. Adviser: Mrs. Lydia P. Nosa.

The Information Technology Asset Life Cycle Management System of College of Engineering and Information Technology was developed for UCC located at the CVSU Main Campus Indang, Cavite. This study covers the inventory operators, monitoring or tracking materials and equipment available. It was also developed to address the current problems encountered by the existing manual system of the organization. Such problems include inconsistencies in recording, monitoring and tracking, storage of files and lack of security. The researchers passed their approved capsule on the 27th day of March 2013. . After the approval of the thesis title, the researchers started to make the outline of the study on the third week of June 2013. The researchers also went to different libraries in Cavite to obtain information that will help in the development of the study. The outline defense was done on the month of September 2013. The study is assumed to finish in the year 2014.

The researchers used the Software Development Methodology as a paradigm in the development of the system. Software Development Methodology consists of seven phases' i.e., analyze/ planning, breakdown of priority project, design module, code test-debug, integration of sub procedure and testing, integration existing system and test implementation. The system was evaluated by the sixteen IT instructors and seven University Computer Center staff.

The system was evaluated based on the following criteria: Functionality, Reliability, Usability, Efficiency, Maintainability and Portability. The system passed all the given criteria in evaluation and met all the features, functionality and the requirements to attain its objectives.

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INFORMATION TECHNOLOGY ASSET LIFE CYCLE MANAGEMENT SYSTEM IN COLLEGE OF ENGINEERING AND INFORMATION TECHNOLOGY

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INTRODUCTION

Information Technology asset management (also called IT inventory management) is an important part of an organization's strategy. It usually involves gathering detailed hardware and software inventory information which is then used to make decisions about hardware and software purchases and redistribution. IT inventory management helps an organization manage their systems more effectively and saves time and money by eliminating unnecessary purchases and wasted resources (Singh, 2013). It also entails the management, of the physical including tracking and monitoring computer components like hardware, software, printer, scanner, and other assets under the College of Engineering and Information Technology from acquisition through disposal. Common business practices include request and approval process, procurement management, life cycle management, redeployment and disposal management. A key component is