

**PCI SAGA: AN INFORMATION SYSTEM FOR PERPETUAL
CAVITE INSTITUTE WITH MOBILE APPLICATION
FOR ASSISTANCE AND NAVIGATION**

THESIS

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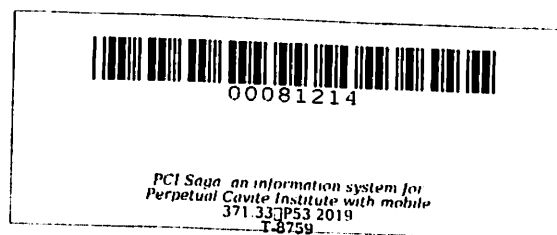
Indang, Cavite

July 2019

**PCI SAGA: AN INFORMATION SYSTEM FOR PERPETUAL CAVITE INSTITUTE
WITH MOBILE APPLICATION FOR ASSISTANCE AND NAVIGATION**

Undergraduate Thesis
Submitted to the Faculty of
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



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July 2019

ABSTRACT

DIÑO, JONATHAN AUSTRAL, DE MESA ALEXANDER LLAGAS, HERRERA, BIL JEROME V, FENOL, ALLEN VINCENT M **PCI SAGA: AN INFORMATION SYSTEM FOR PERPETUAL CAVITE INSTITUTE WITH MOBILE APPLICATION FOR ASSISTANCE AND NAVIGATION.** Undergraduate Thesis, Bachelor of Science in Information Technology, Cavite State University, Indang Cavite. July 2019. Adviser: Mr. Mark Philip Sy. Technical Critic : Ms. Ma. Yvonne Czarina R. Costelo

PCI Saga: An Information System for Perpetual Cavite Institute with Mobile Application for Assistance and Navigation was developed to help the students of Perpetual Cavite Institute thru mobile application with navigation and notification. They aimed to improve the enrolment process thru the development of an automated system that can provide and insert data of the students. The study was conducted from February 2018 to July 2019 at Cavite State University – Indang Campus.

It has six levels of access - administrator, registrar, guidance counselor, teacher, adviser, and student. The system consists of seven modules – account, report, building navigation, announcement, admission and registration, class, and grade.

In developing the software, an agile methodology was used. The software was evaluated by 60 participants – 10 Department of Information Technology instructors from Cavite State University, and 50 students from Perpetual Cavite Institute. A software evaluation sheet based on ISO 9126 was used as the research instrument.

The system was evaluated with the criteria of functionality, reliability, usability, portability, efficiency, maintainability, and user-friendliness. The system passed the evaluation criteria and met all requirements and objectives.

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An undergraduate thesis manuscript submitted to the faculty of Department of Information Technology, College of Engineering and Information Technology, Cavite State University, Indang, Cavite in partial fulfillment of the requirement for the degree Bachelor of Science in Information Technology with the Contribution No. ~~CEIT 2016-19-S-015~~. Prepared under the supervision of Mr. Mark Philip Sy.

INTRODUCTION

According to Janssen (2007), an information system is commonly referred to as a basic computer system. The IS involves resources for shared or processed information, as well as the people who manage the system. People are considered part of the system because without them, systems would not operate correctly. There are many types of information system, depending on the need they are designed to fill. An operations support system, such as a transaction processing system, converts business data (financial transactions) into valuable information to output reports helping users and businesses make decisions based on extracted data.

An Information System is an academic field that was established in the 1960's IS refers to a system of people, data records and activities that process the data and information in an organization, and it includes the organization's manual and automated