

**DEVELOPMENT OF ONLINE VOTING SYSTEM FOR
STUDENT ORGANIZATIONS IN CAVITE STATE
UNIVERSITY - MAIN CAMPUS**

THESIS

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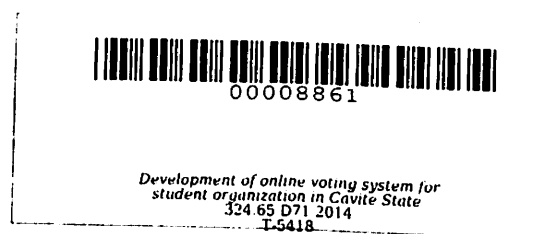
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**DEVELOPMENT OF ONLINE VOTING SYSTEM FOR STUDENT
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- MAIN CAMPUS**

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ABSTRACT

DOÑES, PAOLA JOY B. and GREGORI, JESELEYN L. Development of Online Voting System for Student Organizations in Cavite State University - Main Campus. Undergraduate Thesis. Bachelor of Science in Information Technology. Cavite State University, Indang, Cavite, April 2014. Adviser: Ms. Lydia P. Nosa.

The study was conducted to develop an online voting system for student organizations in Cavite State University - Main Campus. This will make the election in the said university faster and efficient. There is no need to assign faculty members and students to manage the election. This new system will give an accurate and fast result. It also aimed to help students vote on their respective organization with minimal guidance of the election officers.

The system provides functionality that allows and encourages students to vote online. The students need to log in to their portal account to verify their credentials before participating in the election. Since the system is online, they can participate in the election wherever they are.

The researchers used software development methodology for the development of the system. It consists of eight phases: analyze/ planning, breakdown priority project, design module, code test, debug, integration of sub procedure and testing, integration existing system, and test/implementation. The researchers used PHP: Hypertext Preprocessor (PHP) as the programming language, My Structured Query Language (MySQL) as the database technology for data storage, Notepad++ for coding the system, Bootstrap for web design, Microsoft Word for documentation, RedKoda for the different

diagrams, Mozilla Firefox and Google Chrome for the web browsers, and Apache as the server.

The system was evaluated by the head of each student organization based on the following criteria: functionality, reliability, usability, efficiency, maintainability, and portability. The system passed all the given criteria in the evaluation and met all features, functionality, and requirements and attained its objectives.

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DEVELOPMENT OF ONLINE VOTING SYSTEM FOR STUDENT ORGANIZATIONS IN CAVITE STATE UNIVERSITY-MAIN CAMPUS

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INTRODUCTION

An online voting system is accessed via the Internet or an intranet. The ability to update and maintain web applications without distributing and installing software on potentially thousands of client computers are key reasons for their popularity. A significant advantage of building web applications to support a standard browser feature is the ability to perform as specified, regardless of the operating system installed on a given client. With the advent of the internet, many of the mundane tasks that people conducted were made possible. Things like voting school officers can now be done online. The students will no longer need to go to their department, fill up, and then vote their chosen candidates. A few clicks from their mouse will suffice to do the job.

In the past school elections, no student officials have been elected for three consecutive years, hence, the time has arrived that the paper-based voting system already proved itself as an inefficient procedure and this practice should be changed.