

STUDENT ONLINE VOTING SYSTEM

(CASE STUDY: BUSITEMA UNIVERSITY,
NAGONGERA CAMPUS)

BY

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A Project Report submitted to the faculty of science education for the
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DECLARATION

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APPROVAL

This study project, student's online voting system has been done under my supervision as the university supervisor and submitted with my approval.

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DEDICATION

I thank the almighty God who has successfully enabled me to complete the entire course with the dissertation. In special, I dedicate this project to my entire family members especially my parents Mr. **Okochil Dan** and Mrs. **Amusugut Hellen** for their entire efforts, my supervisor **Dr. Nakasi Rose**, my Brothers **Etyang Ben, Etyang Benard**, and finally to my fellow colleagues who have tried their level best to bring me up to this far morally and this has been the source of courage and inspiration throughout this school life. This work is a manifestation of your prayers and hard work, may the almighty God provide you all with more of life as a special gift.

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LIST OF ABBREVIATION

ICT.....	Information and Communication Technology
CUSU.....	Cambridge University Students Union
OVs.....	Online Voting System
RAD.....	Rapid Application Development
SSADAM.....	Structured System Analysis and Design Method
UML.....	Unified Modelling Language
ERD.....	Entity Relationship Diagram

ABSTRACT

The SOV system provides online voters registration forms for students registers and are allowed to log in as either student, delegate or candidates. Each registered user has a password to login .The system provides an interactive platform where voters and candidates interacts and thus candidates perform their campaigns. The system allows preliminary voting and the results re graphically represented. The system computes and gives the election results for all the posts and provides reports for the whole election process. The main objective of this system is to design, develop and implement an efficient, user-friendly interactive web based students voting system. The data was collected using questionnaires, and direct observation. The methodology used was structured system analysis and development method (SSADM) in which RAD approach was also considered.

The system was developed using the UML modeling languages with front backend interfaces with data base system. The developing software tools were PHP, HTML, Java script and macromedia Dreamweaver.

CHAPTER ONE: INTRODUCTION

1.1 Background of the study

Busitema University, Nagongera campus is public university, which was found fifteen years ago and has five campuses all are in Uganda. The main campus is at Busia along Jinja road. According to Michael Ian shamos (1993), defines online voting as the use of computers to cast ballots in an election. He also continued and say that this term is used more specially to refer to voting that take place over the internet. Electronic systems can be used to register voters, tally ballots and record votes. Also according to Williams (2006), defines e-voting is an election system that uses encryption to allow voters to transmit their secure and secret ballots over the internet.

Most of the university students come from different regions where information and communication technology (ICT) has been implemented and which plays a valuable role in carrying out daily activities like use of internet for social networking, electronic learning, research and so much more .In particular, most students are used to participating in web based networking one of the key ways that online communities engage with each other.

Today about 98%of the university students know how to use internet and it has become essential part of their life, therefore the implementation of online applications saves time and it's fast

Today universities in developing and developed countries have started introducing the use of information communication technology (ICT) in voting process .For example , in mid-2007, Coventry university began developing an online e-voting system and Cambridge university students' union (CUSU)in 2009.This system is new to the guild elections committee of Busitema university and the implementation of online voting system does sound as a challenge to the students ,but rather an opportunity to alleviate them from the traditional paper based voting system which has so much challenges like time wasting due to long queues during elections ,fraud.

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