WEB-BASED DISTRIBUTION AND MONITORING TOOL FOR ICT ASSESTS

CASE STUDY: UGANDA MARTYRS UNIVERSITY

ICT DEPARTMENT

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DEPARTMENT OF COMPUTER STUDIES

FACULTY OF SCIENCE AND EDUCATION

A Project Report Submitted to the Faculty of Science and Education

For the Study Leading to a Project in Partial Fulfillment of the

The requirement for the Award of the Degree of Bachelor of Science in computer science of Busitema University Uganda

Supervisor: Mr. Oboth Andrew

DECLARATION

I NAMANYA RITA hereby state that this work is my own. It has not been submitted to any other institution for another degree or qualification, either in full or in part. Throughout the work, I have acknowledged all sources used in its compilation.

Signature: _____

Date of Submission: _____

APPROVAL

Supervisor
Mr Oboth Andrew

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SUPERVISOR

DATE.....

DEDICATION

This work is dedicated to the Almighty God who has brought me thus far, to my Family, Staff and all my Lecturers from my first year for the continuous encouragement and support they have given me in regards to pursuing this Bachelors' Degree.

ACKNOWLEDGMENT

I would like to thank the Almighty God for the courage, strength, wisdom, and guidance given to me through the times of this course without which none of this would be possible.

Special thanks owed to my parents MR. Byarugaba Balthazar and Mrs. Owomugisha Teopista, my siblings Lelia, Lydia, Renard, Hillary, Catherine and Medius for all the support and love that you have always shown me. Also to my friends and lecturers, thank you for your devotion and loyalty, my supervisor, Mr Oboth Andrew thank you for the pivotal role played and pertinent guidance provided during the research period.

Lastly but not least, to all the people that I may not have mentioned by name but played a big role in making this research success, you will always be remembered for your contributions and sacrifice of time because I would not have reached this level without you.

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ACRONYMS

UMU- Uganda Martyrs University

MIS – Management Information System

ICT – Information Communication Technology

IP –internet protocol

ADMIN - Administrator

DDL - Data Definition Language

RAD - Rapid Application Development

HTTML - Hyper Text Mark-up Language

CSS - Cascading Style Sheet

PHP - Hypertext Pre-processor

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Abstract

Monitoring and distribution of ICT assets is an interesting research area that is given little attention in Uganda's universities especially Uganda Martyrs University. A qualitative research done using observation, interviews and studying existing systems revealed that though UMU has a monitoring and distribution system for ICT assets, it is still using the manual way where there are use of books to keep records; this has a limitation of data loss, data redundancy and duplication of record hence time is spent trying to manage such records.

This project aims at the analysis, design and development of a web based monitoring and distribution tool for ICT assets in UMU ICT department that assists to keep track of ICT assets, control, monitor and distribute the assets. Also students and lectures will easily check availability, borrow and easily access desired ICT assets. The methodology applied in this project was the RAD methodology which gave room to team work of workers in the university. Wamp was the database management and local server system that was employed for the development of the system. The project provided MIS framework administering and managing the system properties for it makes it flexible

The system has been tested with data from Uganda Martyrs University Nkozi ICT department. It has been observed that the system successfully registers users, keeps track of ICT assets, controls monitors and distribute assets and therefore satisfying the required constraints (requirements).