Proposal

<LIBRARY MANAGEMENT STYSTEM>

<PROVIDENCE MARANGE>

Submitted in partial fulfilment of the requirements of a Software Engineering Diploma in Applied Information Technology project

<14 February 2019>

Preface

This is a proposal for < Providence Marange > Project for partial fulfilment of the requirements of a Software Engineering course project in School of Technology at University of Zimbabwe

This proposal provides the scope and context of the project to be undertaken. It details the intended user group and the value that the system will have to them.

The intended audience of this document is the course department so that they can determine whether the project should be approved as proposed, approved with modifications, or not approved.

Overview

Purpose, Scope and Objectives

Information Technology has revolutionized the life of human beings and has made lives easier by the various kinds of applications. In the light of the rapid changes with the use of Information Technology, there are many tools, technologies and systems that have been produced and invented.

This project is concerned with developing a Library Management System for University of Zimbabwe School of technology (SOT) in order to make library management more efficient and easy to handle. The Library management system enables a fully automated library service. It has the ability to display the details of the books available in various departments, the transactions of books and about the book holders.

The goals of this project are to provide simplicity as well as security and efficiency to the management of University of Zimbabwe School of technology (SOT) and also reduce managing personnel in the library.

Purpose

Many libraries are operated manually by a group of people. These people keep records regarding the books & students (borrowers), check the books manually and keep records on issued books. All these things have to be carried out manually and if the library is very large, proper record keeping will become a major problem as manual record keeping has never been a reliable method because people tend to forget things. Also fast report generation is not possible, tracing a book is difficult, information about issue/return of the books is not properly maintained, and no central database can be created as information is not available in database.

The project will have Librarian; student and lecturer which will borrow books and manage books.

Objectives

The objectives are to help improve the library system, help Liberians to manage information and to create reports, help students and lectures to search books quickly and to increase efficiency and accuracy in the library. In this library system there is three interfaces one is lecturer, student and another one is for librarian. The is a request column for librarian for providing new books , a ,student login page where student can find books issued by him/her and date of return, search column to search availability of books a lecturer login page where lecturer can find books as well .In this library system the operation of a student, lecturer and librarian is different. A student can search a book, view book list which are available in library, a lecturer can also search a book, view book list which are available in library and a librarian can issue book, modify student and lecturer details, can delete lecturer and students from the system and can return and add books in the system. All management are operated by the librarian. I am planning to use the existing software in terms of searching for books, viewing book list, issuing books, modifying details, deleting students and lectures from the system and returning and adding books. I will use electronic data processing to process my data. It is of great importance to accept my project because the University of Zimbabwe School of Technology (SOT) has no library, lot of books are being lost, a lot of paper work is done in the problem domain thus (SOT) and it will be difficult to create reports because difficult in analysing the data because it involves a lot of paper work.

Project Deliverables:

Deliverables include:

- Software Project Proposal.

-Documentation

-code

-disk

References

-Lawani,zubike and Ibekwe (1992)

- Mosuro (1996)

-Idowu and Mabawonku(1999)

repository.fuoye.edu.ng

Definition

SOT-School of techinology