

Project Proposal

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Library Management System For Kurunduwatte Royal College

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Declaration

I declare that this thesis is my own work and has not been submitted in any form for another degree or diploma at any university or other institution of tertiary education. Information derived from the published or unpublished work of others has been acknowledged in the text and a list of references is given.

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1. TITLE

Library Management System for Kurunduwatte Royal College

2. INTRODUCTION

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 system that have been produced and invented.

As gateways to knowledge and culture, libraries plays a fundamental role in society. The resources and services they offer create opportunities for learning, support literacy and education and help to shape new ideas and perspectives that are central to a creative and innovative society. The history of libraries began with the first efforts to organize collections of document. A library is a collection of books, materials and media that are accessible for use and not just for display purposes. A library which may vary widely in size may be organized for use and maintained by a public body such as government or institution such as school or a private individual. Library buildings often provides quiet areas for studying as well as common areas to facilitate group study and collaboration.

I selected Kurunduwatte Royal College Library system as our system. It is situated in Kurunduwatte. There are 2000 students and 300 teachers in this school. There are about 4500 more books and about 1000 more members in this library. It has timeless Library Management System. In the school, students want to save their time. We develop a library management system instead of manual system. This system can use Librarian and Member.

This document is to describe the library management system. The implementation of library management system starts with

- Books details
- Library information
- Entering and updating master records

Any further transaction like book issue, book return will automatically update the current books. In this case we used Kurunduwatte Royal College library to gather requirements and other information.

3. BACKGROUND & MOTIVATION

This background of developing the Library system of school is that to make easy to management to store a large number of data/reports into the computer. It is difficult for any management to store the large number of data manually or in papers. In that case when librarian wants to take information it is very difficult for management to provide information immediately. It is very time consuming process. But by using computer it takes only few minutes/seconds. Then student can save their time and they can use that time for their studies. It helps to librarian to do his works easily too.

The document is to collect and analyze all assorted ideas that have come up to define the system, its requirement with respect to client. In short, the purpose of the document is to provide a details overview of our software product, its parameters and goals.

This document contains the complete software requirement for the Library Management System and describe the design decisions, architectural design and the detailed design needed to implement the system. It provides the visibility in the design and provides information needed for software support. New reliable and fast Library Management software with the great customers support.

3. PROBLEM IN BRIEF

This application is stranded windows application. This system can be operating even though offline mode. No internet connection is needed this system. This system has ability to access lot of information and can store lot of information's about book and members. The interface of this system is very friendly and very easy to operate it more than the other library system in present days. After all this product way better than other old system.

In manual system we found following drawbacks,

- Less effective. (Difficult to update information)
- Less accuracy.
- Comparatively higher cost.
- Less security of data.
- Difficulties to analysis data.
- Difficulties to report data.
- More data inconsistency.
- Data redundancy.
- Missing data files.

4. PROPOSED SOLUTION

The application is stranded web application. This system can be operate even though online mode. So this system have ability to access lot of information and can store lot of information's about foods and customer orders . This interface of this system is very friendly and very easy to operate it more than other restaurant system in present days. After all this product way better than other old system.

I proposed system has the following advantages,

- Structured formal procedures to follow.
- Efficiency and effectiveness of information stored.
- Better and easy information delivery.
- Friendly user interface.
- Save accurate data and more security.

Library Management System is a replacement for the ordinary library management systems which depend on paper work for recording book and member information. The proposed Library Management System will take care of the current book detail at any point of time. The book issue, book return will update the current book details automatically so that user will get the update current book details.

The key benefits of our system are

- ❖ Time saving – It save the time that currently spending on referring books, member and check inventory.
- ❖ Security – System makes data and information of books , members secure by providing user IDS and passwords in order to prevent unauthorized access.

5. AIM & OBJECTIVES

Aim

The aim of the project is to build an electronic Library management system using all of the skills and techniques from the field ensuring that no common development mistakes are reproduced. Project management is critical to all software engineering projects and keeping to a project plan will be of similar importance. Library system is basically updating the manual library system into a data-based driven application. This system designed for the use of librarians. Product will work as a complete user interface for library management process. This library system can be used by any existing or new library to manage its books and book borrowing, insertion and monitoring. This system not allows ant interface to users. It helps to know availability of books and remaining time for borrowing, fine states, member and details of employee.

Objectives

The main objectives of any details are to maximize profit by increasing efficiency and decreasing overheads without compromising member satisfaction. Currently, many information use a paper-based system to communicate between the libraries which can be shown to be one of the least efficient approaches. Even though this approach is implemented in successful profitable librarians, there are several problems which could be seen as reducing the library's efficiency.

- To design a project according to the requirements.
- Reduce the cost of current system.
- To investigate and develop user satisfaction.
- To project data redundancy.
- To provide additional security for data.
- To less data inconsistency.
- Manage account details and other finical details.

6. SUMMARY

This document provide a high level description of the library management system. It identifies the involved users and helps to explain the role of management of books, magazine & members and how it control the system in earlier and after using the software we will build and also it describes the registration of members and books. Informal requirements and is used to establish a context for the technical in the system.

The implementation of library system starts with entering and updating master records like book details, library information. Any further transaction like book issue, book return will automatically update the current books.

In next chapter document then describes the general software and hardware constrains and as well as any assumption and dependencies we used in the system.

7. RESOURCE REQUIREMENTS

Hardware Requirements

- Memory : 2GB for 64 bit
- 1GB for 32 bit
- Hard Disk : 2GB or above
- Graphic : Direct x 9 or Higher
- Other : 1 keyboard and 1 Mouse

Software Requirements

- Windows Operating System (windows 7/8/8.1/10/11)
- Any Browser (Opera, Chrome, Safari etc.)

8. PROJECT PLAN

Activity	August														
	Day 1 (17)	Day 2 (18)	Day 3 (19)	Day 4 (20)	Day 5 (21)	Day 6 (22)	Day 7 (23)	Day 8 (24)	Day 9 (25)	Day 10 (26)	Day 11 (27)	Day 12 (28)	Day 13 (29)	Day 14 (30)	Day 15 (31)
Requirement Gathering															
Requirement Analysis															
Planning the system															
Design UI															

9. CLIENT DETAILS

Kurunduwatte Royal College

Principal of School -: Y.M.S.Edirisinghe

Address -: Kurunduwatte Royal College, Kurunduwatte

Tele Number -: 081 420 6969

10. REFERENCES

Google Available at - <http://www.google.com>

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