

**Sri Lanka Institute of Advanced Technological
Education
(SLIATE)**

Project Proposal

T.Dilani

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Title

Pharmacy Management System

Supervised by

Mr. K. Thevaruban

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1. Introduction

This Pharmacy Management System is concerned with developing for a Medical Shop situated in Vantharumoolai, Batticaloa district in Srilanka. The Pharmacy Management System is a complete dispensing workflow management system that is design to improve accuracy, enhance safety and efficiency. Most pharmacies are still doing their whole work manually, this manual system requires the pharmacist or workers to manually monitor all the process and to check the presence of the each drugs in pharmacy.

There are lot of discrepancies of items in the stock, it is hard for them even to recognize all their all customer's records: they cannot have even their weekly, monthly, or a yearly report easily because of recording manually.

So when the new drugs or new batches of the drug arrive in the pharmacy the manual entry is done in the register. And this also followed when the drug is given to any customers. When the month is completed the workers in the pharmacy have to generate the list or report manually of the drugs in the Pharmacy. This work is done to maintain require stock in the Pharmacy. This kind of work may lead to a major problems.

Therefore to solve this kind of problems the urgent need is to develop a Pharmacy management system that will prove beneficial for the Pharmacy. By using this software we can generate bill, maintain the stock very well, we can do cost saving and maintain inventory control. This system can help Pharmacy, to handle the incomings and outgoings more smoothly and in a better way.

Due to this challenges, which cause to minimize a business profit I became with solution on how they can reduce risk and maximize their profit through Pharmacy Management System.

2. Background and Motivation

Pharmacy management system is a system that consist of data entry, retrieval and monitoring stock, sale, customer records, debtor's and administrator's records and determination of minimum quantity of each drug. String searching technique also applied in this system. This technique is referring by drugs name, drug code and description of drugs. Besides the system also provides two types of methods which are Quantity and Expire date of drugs. This system always checking the date to remind the pharmacist if the certain drug was expired and will be triggered to remind the pharmacist if the certain of the drugs reached to minimum quantity. The system enable administrator to control and monitor the drugs stock effectively.

Due to the size and quantity service of the pharmacy, the pharmacy has very large customer base. The number of customer quickly increases due to the increase of demand of drugs in many areas. This situation makes the pharmacist to be busy and use a lot of time to manage and control their business records. Meanwhile the pharmacist has to ensure satisfaction in services to keep their records effectively at a reasonable time.

The module involve medicine management module, medicine search module, selling process module, medicine list module, statistic of medicine sales module, date to the date report module & report for all customers details.

3. Problem in Brief

Improving performance and efficiency in Pharmacy shops is a major goal of Pharmacy Management System. The transaction related to sales, maintaining of stocks records are maintained manually at present. These are to be automated and an application is required to relate of them relatively and logically so that the current system can be replaced and accepted without major changes and problems.

The application will provide quick access to the records maintained and must reveal the important reviews about the business so that the growth can be easily compared and will provide with the various reports showing the related details that the important decisions could be taken easily.

Drugs are not supposed to be used after they have expired. This project work will prompt the pharmacist about drugs that are close to expiry, preventing those drugs from being sold and also providing solution to the earlier stated problems.

The following are among of the problems that lead to purpose creation and development of Pharmacy management system:

- ❖ There is no effectively management of information.
- ❖ Discrepancies of stock item.
- ❖ It hard to determine stock balance.
- ❖ Hard and Time consuming on preparation of daily, weekly, monthly, and yearly reports.

4. Aims and Objectives

4.1 Aims

Aim of our project is to develop a Pharmacy Management identify the problems in the current or manual Pharmacy Management process with the use of IT Solutions.

4.2 Objectives

To overall objective of this project is to establish a System for Pharmacy Shops so as to improve the performance and efficiency of pharmacy shops management. There are some specific objectives should be implemented.

- ❖ To provide easily accessibility of sales reports.
- ❖ To provide easily accessibility of stock reports.
- ❖ To provide accessibility debtors details.
- ❖ To provide easily accessibility of employee or pharmacist reports.
- ❖ To minimize human error.
- ❖ To provide optimal drug details management by monitoring the drugs movement in the pharmacy unit.
- ❖ Get alert about the drugs close to be expired.

5. Proposed Solution

The Proposed Solution of the manual Pharmacy management is to develop a computerized Pharmacy management system. Before developing the proposed system, there is need to identify,

- a) The design of the proposed system.
- b) The main user admin of the Pharmacy management system.
- c) The activities of the main admin.

5.1 The Design

The proposed system will be designed using WampServer and MySQL (the database used to stock of medicine details, sales details, Employee details, purchase details, billing and report).

5.2 The main users

The main users of the proposed system only Admin

5.3 Their activities

The activities of the main users of the proposed system are listed in a table below:

Activities of Admin	Activities of Pharmacist
<p>Dashboard: admin can see all details in brief like a pharmacist, total Medical company, total medicine, total today's sale, total yesterday's sale, total seven day's sale, and total.</p> <p>Pharmacist: admin can add new pharmacist and can view the pharmacist list, and delete pharmacist details.</p> <p>Stock: admin can add new items, and can view the details of items and deletes and updates all details in the stock.</p> <p>Sales: admin can view sales details of all items, and deletes and updates all sales.</p> <p>Reports: admin can view total sale according to date, according to date, according to pharmacist and total year wise sale.</p> <p>Employees: admin can add new employee and can view the details of employees, and deletes and updates all details.</p> <p>Sales Return: admin can record sales returns and can view the details of items, and deletes and updates all details.</p> <p>Search: admin can search medicine through medicine name.</p>	<p>Pharmacist module used to sell drugs and select items from the stock in order to prepare them for sells.</p> <p>Pharmacist can check remaining medicine.</p> <p>Pharmacist can search medicine name.</p>

Activities Table 5.3.1

6. Resource Requirements

6.1 System Requirements

Recommended Software Requirements:

Front End: Php ,Html,css,bootstrap

Back End: MySQL

Operating System: Windows 7 or above

Recommended Hardware Requirements:

Processor: Pentium IV or above

Clock Speed: 2.86GHZ Processor

Hard disk: 4GB

RAM: 256MB

7. Reference

- <https://www.youtube.com/watch?v=6ZCx8UrYwWM>
- <https://www.slideshare.net/sudiahmad1/pharmacy-management-system-proposal>
- <https://www.freeprojectz.com/php-mysql-project/pharmacy-management-system>

