

# ONLINE PHARMACY STORE SYSTEM

Mrs. K. Vijayalakshmi M.E., Ph. D. HoD/CSE

Mr.S Meivel, Mr S Karthik keyan, Mr. M Navven Kumar, Mr. R Nithesh Gowtham(UG Students)  
DEPARTMENT OF COMPUTER SCIENCE AVS COLLEGE TECHNOLOGY SALEM 636 601

TAMIL NUDE

(Email:meivelrs@gmail.com,karthikkeyan12@gmail.com)

*Abstract-* This application is to help pharmacist to manage Medical in the systematic ways and Information selector for minor illness means the system application that gives the suggestion for the information to the pharmacist from the symptom that request by patient. The examples of minor illness are fever, cough and the other problem that effect to human respiratory system.Sometimes you come across small problems where you to need consult doctors about your health problems or for the nearest ones and follow their prescriptions. Medical System will provide you the power of direct interaction between doctors of your choice as and when required for your small problems.The new approach of system application is needs to make the Medical management more efficient and effective. They just login to the system and check it at the list of the information that display by the system. Pharmacist can generate it automatically from the system when the information.

## NOMENCLATURE

A nomenclature list, if needed, should precede the Introduction.

## INTRODUCTION

### 1.1 ABOUT THE PROJECT

The scope of the project is to automate all the process involved in a Consolidated Distributed management for Medical. It maintains details like supplier, Customer, Sales, manufactures and product level details. Various transactions like Billing, inward entry and sales return will be carried out. The Report for all transactions is generated with daily and period report. The flexible report helps the user to get the maximum output from the system. Nowadays, Medical management system is one of the most essential tools that are mostly

used in medical store; it is mostly used to manage Medical related activities such as medical inventory, record keeping, sales management as well as managing the drug Stock and information of the expired medicines. Many pharmacies are still operating manually.they don't have adequate software to manage their Daily activities. It needs the pharmacist assistant to check the expired date of the medicine twice a week, and it can take a lot of time to find out whether certain medicine are out of stock.

Medical management system has its own significance to the retail Medical shops. Using this system, it will help us to records all transaction made at the daily sales, recognise all customers, employees, balance stock, etc. [7] discussed because of various appealing focal points, agreeable correspondences have been broadly viewed as one of the promising systems to enhance throughput and scope execution in remote interchanges. The hand-off hub (RN) assumes a key part in helpful interchanges, and RN determination may considerably influence the execution pick up in a system with agreeable media get to control (MAC).

[9] discussed that Helpful correspondence is developing as a standout amongst the most encouraging procedures in remote systems by reason of giving spatial differing qualities pick up. The transfer hub (RN) assumes a key part in agreeable correspondences, and RN choice may generously influence the execution pick up in a system with helpful media get to control (MAC). This project

concerned about developing a Medical Management System that will be used for retail and wholesale pharmacies. The purpose of this project is to manage all data derived for a Medical to maintain their

business through the system rather than recording their data manually which is more risk to the business to maintain and to avoid loss. According to myFeasibility study of different pharmacies and recognized that most of them they recording their data manually throughBook of accounts. This type of recording data it makes them to incurred more loss and they are not able to determine if they incurred loss or not for those who having a large stock of medicine. There are a lot of discrepancies of items in the stock, it is hard for them even to recognise their all customer"s records; they cannot have even their weekly, monthly or a yearly report easily because of recording manually. 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 Medical management system.

## **SYSTEM ANALYSIS**

### **2.1 EXISTING SYSTEM**

In the existing system,. It requires a lot of time spared in writing the details in the paper and manually validates and maintains the records. It also requires large space to store valuable records and it"s tedious in retrieve a particular record from the bunch of existing records. The company is maintaining its records manually. One among the major back involved in the existing system is that of information management and record keeping.It requires a lot of time spared in writing the details in the paper and manually validates and

Besides the above mentioned problems, the factors like high cost of maintenance, data loss, Time consumption, error occurring possibilities, data inadequacy in decision making, poor efficiency and data availability, and minimum user support are the different problems afflicting the company.The company has to overcome has to overcome all these problems to survive in the market. The present method of manual maintenance of records is the major problem afflicting the company. Once the company takes action by computerizing it can successfully surge in the future

maintains the records. It also requires large space to store valuable records and it"s tedious in retrieve a particular record from the bunch of existing records.

#### **2.1.1 DRAWBACKS OF EXISTING SYSTEM**

No protection to website, if the details were presented.

Authorization may provide to all.

Few one can know the doctor who is valuable.

Pharmacist cannot maintain all the details

## **PROPOSED SYSTEM**

The main objectives of this proposed system are the ways and means to improve the effectiveness of the existing appraisal system and to measure the subjectivity and objectivity in the existing performance appraisal system and to increase the objectivity and decrease the subjectivity. Everything is done automatically.

The scope of the project is to automate all the process involved in a Consolidated Distributed management for Medical. It maintains details like supplier, Customer, Sales, manufactures and product level details. Various transactions like Billing, inward entry and sales return will be carried out. The Report for all transactions is generated with daily and period report. The flexible report helps the user to get the maximum output from the system.

The project contains following tasks:

### **ADMIN**

In this task admin can create new users .he can delete and update the users.

### **DRUG MANAGEMENT**

In drug task we can add the drugs details, drug code, drug name, drug category and description.

### **TRANSACTION MANAGEMENT**

The transaction tasks contains Billing ,inwards entry , sales details. During this process bill no code, batch no expiry date, rate drug name mfg date also maintain here, we can add these details, and also modify the details.

### **REPORTS AND VIEW**

The Reports and view module contains drugs details and bill details sales, and purchase details are viewable. The bill details either date wise, drug id wise or all details.This automation project is developed on the Windows platform with Front end tool as **PHP** and back end tool AS **MYSQL**

#### **2.2.1 FEATURES OF PROPOSED SYSTEM**

In this proposed system, all the details of the pharmacist mentioned are to be added.

admin can add the company, details of the medicine

High security

User can able to purchase the product of the company by providing the companies drug details

Each and every medicine can be added and billing can be made

## **SYSTEM REQUIREMENTS**

### **3.1 SYSTEM SPECIFICATION**

#### **3.1.1 Hardware Configuration**

Processor	: AMD PROCESSOR
RAM	: 4 GB RAM
Hard Disk	: 400 GB
Monitor	: 16" Color Monitor
Mouse	: Laser mouse
Key Board	: Standard 104 Keys

#### **3.1.2 Software Specification**

Operating System	: Microsoft Windows 8
Front End	: PHP
Back End	: MYSQL

## **PROJECT DESCRIPTION**

### **5.1 OVERVIEW OF THE PROJECT**

In this project we tried to develop a computerized and web based Medical management system. Our main intention is to allow this application to be used in most retailing pharmacies, where a small point of customization will be required to each Medical in the implementation period. This system is designed to overcome all challenges related to the management of medicine that were used to be handled locally and manually.

### **5.2 MODULE DESCRIPTION**

#### **5.2.1 ADMIN MODULE**

#### **5.2.2 COMPANY MODULE**

#### **5.2.3 MEDICINE MODULE**

#### **5.2.4 PHARMACIST MODULE**

#### **5.2.1 ADMIN MODULE**

In this module admin can create new users .he can delete and update the users.

Admin is the one who controls overall process .

In this module the admin has to enter the admin name , user name , a valid mobile number , a email id , and a password so the admin can ale to view the registration date. .

#### **5.2.2 COMPANY MODULE**

Each and every company has a brand name known as companyFor each company , consis of individual company id , company name , creation dateThe company has to register and entere the partitucalr details .

#### **5.2.3 MEDICINE MODULE**

The main key feature of theis project is the medicines , there are different types and kinds of medicine in each company which was created for the consumers needs.Each medicine has its own id , its company name , the medicine name ,The company was split in to many batches , has its own manufacturing date, individual expiry date,

How much of the quantity per pack has,

And the price per unit

Each has its own entry date

#### **5.2.4 PHARMACIST**

The pharmacist is the one who supplies the medicine accordingly to the consumerEvery pharmacist has his own id, his/her full name, unique mobile number , individual username, Gender is mentioned with email and password and the date of joining is mentioned.

## **DATABASE DESIGN**

The database design is a must for any application developed especially more for the data store projects. Since the chatting method involves storing the message in the table and produced to the sender and receiver, proper handling of the table is a must. In the project, login table is designed to be unique in accepting the username and the length of the username and password should be greater than zero.

The database is a collection of interrelated data and it has various tables and records. An important part in system

design is database design. Database system provides a centralized access to the data from the program. The main objectives of database design are data integration, data integrity and data independence. Normalization is the process of removing redundancy here data is grouped in the simplest way possible. So that other changes can be made with a minimum impact on the data structure. The primary aim of normalization is to avoid the anomalies such as deletion, updating so that no information lost. Here collections of the data records are by successive record structures that are more simple and meaningful normalization is done while designing tables.

The salary and attendance table are common for all employee details. The different users view the data in different format according to the privileges given. The complete listing of the tables and their fields are provided in the annexure under the title „Table Structure“.

### **Database tables**

In this project various tables used for maintain the information.

**Table admin :** This table use to store admin login details.

## **7.1 INPUT DESIGN**

Inaccurate input data are the most common cause of errors in data processing. Errors entered by the data entry operators can be controlled by Input design. Input design is the process of converting user originated to a computer-based format. In the system design phase, the expanded data flow diagram identifies logical data stores, sources and destination. A system flow chart specifies master file (database) transaction files and computer programs. Input data are collected and organized into group of similar data once identified appropriate input media are selected for processing.

In this project uses the text box and list box and Combo box for getting input from user through keyboard. There is the text box and list box are mostly used to get or given the data for the project.

In the project, the input design is made in various web forms with various methods.

For example, in the Admin form, the empty username and password is not allowed. The username if exists in the database, the input is considered to be invalid and is not accepted. Likewise, during the “Employee Creation” process, the employee name, employee\_ID, age, address, salary and also his designation will be noted. Validation can be defined is that validation succeeds when software functions in a manner that can be reasonably expected by the customer. [4] discussed that the activity related status data will be communicated consistently and shared among drivers through VANETs keeping in mind the end goal to enhance driving security and solace. Along these lines, Vehicular specially appointed systems (VANETs) require safeguarding and secure information correspondences.

In these systems, the entire text box can be validated. In this system, a particular text box can enter only a character type inputs. Such validation can be checked for this type of text box. In other text box, we can enter only the integer type as an inputs. Such validation can be checked in this type of text box.

### **ADMIN DETAILS**

The admin form contains two fields like as user id, password and also include two buttons ok and cancel.

### **PHARMACIST DETAILS FORM**

The employee details form store customer information's like as Employee id, Employee Name, Address, Contact no, DOB, DOJ, Designation and Department.

## **7.2 OUTPUT DESIGN**

Computer output is the most important and direct source of information to the user. Efficient, intelligible output design should improve the systems. It defines relationships with the user and help indecision making. A major form of output is a hard copy from the printer. Printout should be designed around the output requirements of the user. The output device with system, response time requirements, expected print quality and number of copies needed. In this system uses the list box, combo box for output display. Mostly we can use the Visual Display Unit (VDU) for output. The bills are also used

to be format of database grid. Mostly the outputs will be displayed on he screens as reports.

#### Report Design

Reports are produced using him utility data reports designs with the help of data environment. Then accessory connections are made of database.

Customer report  
Employee Report  
Sales Report  
Purchase Report

### SYSTEM TESTING

The software is tested in various input data and produced the expected output in all the cases. It becomes essential to test the various operations and performance of system before implementing the System in the real time environment. The proposed system is tested in two ways. One is unit testing and another one is integration testing.

#### 8.1 UNIT TESTING

The procedure level testing is made first. By giving improper inputs, the errors occurred are noted and eliminated. Then the web form level testing is made. For example, storing of the data into the table in the correct manner or not. Unit testing has been undertaken as a part of white box testing with the classes of boundary value testing, control value testing and loop testing. in unit testing the analyst tests the programs making up the System.

Unit testing checks for two types of error

1. syntax error
2. logic error

The dates are entered in wrong manner and checked.

#### 8.2 INTEGRATION TESTING

Testing is done for each module. After testing all the modules, the modules are integrated and testing of the final system is done with the test data, specially designed to show that the system will operate successfully in all its aspects conditions. Thus the system testing is a confirmation that all is correct and an opportunity to show the user that the system works.

### 8.3 VALIDATION TESTING

The final step involves Validation testing, which determines whether the software function as the user expected. The end-user rather than the system developer conduct this test most software developers as a process called “Alpha and Beta Testing” to uncover that only the end user seems able to find. The compilation of the entire project is based on the full satisfaction of the end users. In the project, validation testing is made in various forms. In question entry form, the correct answer only will be accepted in the answer box. The answers other than the four given choices will not be accepted.

### SYSTEM IMPLEMENTATION

Implementation is the most crucial stage in achieving a successful system and giving the user’s confidence that the new system is workable and effective. Implementation of a modified application to be replaced an existing one. This type of conversation is relatively easy to handle, provide there are no major changes in the system. Every developed system must be implement to fulfill the mode of development. There are many software implementation methods. In this system, direct change over from existing system to computer system is carried out. [2] proposed a novel method for secure transportation of railway systems has been proposed in this project. In existing methods, most of the methods are manual resulting in a lot of human errors. This project proposes a system which can be controlled automatically without any outside help. This project has a model concerning two train sections and a gate section.

This implementation plans involving planning, investigation of the current system and its constraints on implementation, design the methods to achieve the changes over and evaluation to change over methods.

### CONCLUSION AND FUTURE ENHANCEMENT

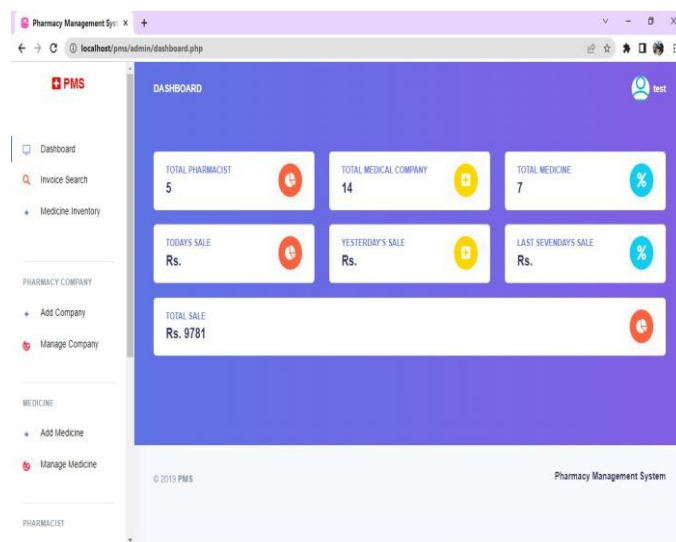
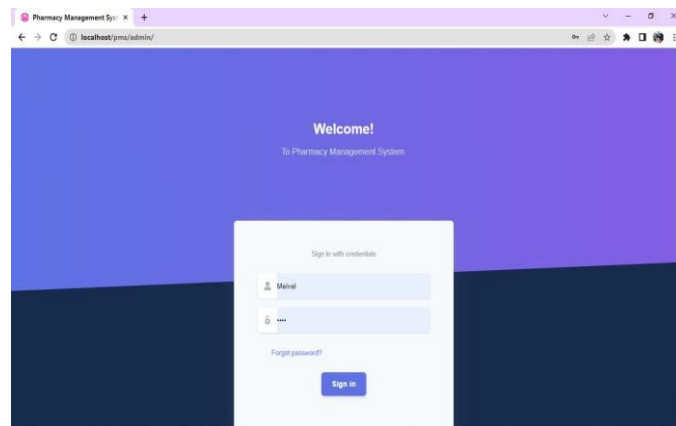
This project “**PAHARMACY STORE MEDICAL MANAGEMENT SYSTEM**” has been successfully implemented and has been found to replace the existing system effectively. It is also possible to eliminate the human errors likely to creep into this kind of work in which bulk

quantity of data has been processed. This project has been designed to suit all the exact needs.

This project is easy to implement and operate. All the features, which are given in this system, were successfully implemented and hence each and every module was functionality tested and found correct.

### 10.1 SCOPE FOR FUTURE ENHANCEMENT

We have already entered the age of Information Technology, where all the paper work / manually managed files are about to finish, now with the help of this user friendly software all the files stored in the computer can be very well formatted. With little more modifications it will become the good software for medical shop. The present medical shop project may be further developed for more complex transactions and to meet the requirements of modern day dynamic System Operation New options and their respective implementation may be done for this purpose.



### 11.3 REFERENCES

#### 11.3.1 BOOK REFERENCES

- [1] Beginning PHP 6, Peter Wright, Published by Wrox Press, August 1998
- [2] Christo Ananth, K.Nagarajan, Vinod Kumar.V., "A Smart Approach For Secure Control Of Railway Transportation Systems", International Journal of Pure and Applied Mathematics, Volume 117, Issue 15, 2017, (1215-1221)
- [3] Microsoft Jet Database Engine Programmer's Guide, by Dan Haught, Jim Ferguson
- [4] Christo Ananth, Dr.S. Selvakani, K. Vasumathi, "An Efficient Privacy Preservation in Vehicular Communications Using EC-Based Chameleon Hashing", Journal of Advanced Research in Dynamical and Control Systems, 15-Special Issue, December 2017, pp: 787-792
- [5] Programming Distributed Applications With Com and Microsoft PHP 6.0, Ted Pattison Published by Microsoft Press, Paperback

- [6] Programming My-SQL (Core Reference), by Rick
- [7] Christo Ananth, Dr. G. Arul Dalton, Dr.S.Selvakani, "An Efficient Cooperative Media Access Control Based Relay Node Selection In Wireless Networks", International Journal of Pure and Applied Mathematics, Volume 118, No. 5, 2018,(659-668)
- [8] PHP Developer's Handbooks (2002, 2000) by Paul
- [9] Christo Ananth, Joy Winston.J., "SPLITTING ALGORITHM BASED RELAY NODE SELECTION IN WIRELESS NETWORKS", Revista de la Facultad de Agronomía, Volume 34, No. 1, 2018,(162-169)
- [10] System analysis and design, Elias M. Awad
- [11] Software Engineering, Somerville, 5th Edition

### **11.3.2 WEBSITES REFERENCES**

<https://www.codecademy.com/learn/php>  
[www.w3schools.com](http://www.w3schools.com)  
[www.php.net](http://www.php.net)  
[www.tutorialspoint.com/php](http://www.tutorialspoint.com/php)  
[www.tizag.com/php](http://www.tizag.com/php)