

Store Management System

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Abstract— Store is a place where all material like consumable items, non-consumable items, stationary items are kept which will be used when required. Professionally store has a process and space within to receive the incoming materials, keep them for as long as they are not required for use and then issue to faculty and transfer to labs. Earlier this can be done by using pen and paper method, but it seems difficult to maintain. By using this system, manual work get reduced and it is also helpful to maintain record of each and every materials. Store Management System provides a simple interface for maintenance of store information. It is designed for easy, effective, time saving and paperless administration. It was achieved using two programming environment PHP and MYSQL, with PHP as front-end and MYSQL as backend database. The system can be entered using a username and password. The interface is user-friendly and data processing is very fast.

Key words: PHP, MYSQL, Store Management

I. INTRODUCTION

Every college needs materials like consumable, non-consumable items, stationery items to carry out day-to-day activities which involve the use of various consumable items like CD, DVD, RAM, non-consumable items like CPU, Scanner, Printer and stationery items such as registers, files, printing papers, pencils, erasers, markers and many other things.

However, most of colleges maintain a register for recording the transactions related to the items purchased for college. Very few colleges use automated system software. Store Management System helps to carry out activities regarding materials purchased for the college which is an automated system instead of making manual entries into books which consumes a great amount of time.

The main objective of “Store Management System” contains mainly three modules such as: Store Incharge, Lab Incharge and Staff Member. Store Incharge can add items, add purchase details, add labs, verify the users, transfer the items. Lab Incharge can register as a user to view profile, available items in lab, request status and can request for items to store incharge. Staff Member can reter as a user to view profile, issued items, request status and can request for items to store incharge.

The technologies selected for implementing Store Management System is PHP, MYSQL. Apache is used as HTTP server.

II. LITERATURE REVIEW

Bainson Claudia and Philip Kwesi Bainson [1], discuss about the efficiency of Stores Management in Takoradi Polytechnic at Takoradi. Most Government Institutions set up stores basically as warehouses outfit to keep inventory of goods for future use. This means that distribution activities that are involved in store keeping, stock control and stock

handling are carried out efficiently and economically by those employed in the stores. Efficient stores management can have a significant impact on the strategic objectives of the Polytechnic. In general administration of stores is to make sure that all activities involved in stock control and employees in the stores carryout stores keeping, store control and stock handling efficiently and economically. It also consists of the recruitment, selection, induction and training of stores officers and more. The study reduce the incidence of financial losses characterized by inefficient stores management.

III. ANALYSIS OF PROBLEM

In the existing system, all works are done manually by maintaining the registers. The store in-charge have to manually make entries into books and all the records need to maintained on paper. In existing system, it is difficult to find any information. And it is very difficult to maintain records of all the items present in store. It may lead to chances of human errors that may create some problems. The other problem with the manual system is of report generation. The report to be generated on a daily/weekly /monthly basis required lots of paper work and calculations. Even a small calculation mistake was leading to reanaylsis and recreation of the whole work.

With the implementation of Store Management System, the task of keeping records in an organized manner will be solved. The greatest of all is the retrieval of information, which will be at the click of mouse. So the proposed system helps in saving the time in different operations. The Store Management System has been developed to override the problems prevailing in the manual system. Moreover this system is designed for particular need of organization to carry out operations in a smooth and effective manner.

IV. PROPOSED SYSTEM

The Proposed system can be categorized by the following modules:

V. STORE INCHARGE LOGIN:

Store Incharge can add item description, add lab, add purchase details of consumable, non-consumable and stationary items. Store Incharge can verify lab incharge and staff member. Also store incharge can view items available in store, purchase details of items, material transferred list. Store Incharge can approve or reject the request done by users and can transfer the items. When the store incharge approve the request for item then that quantity is reduce from available items present in store. Fig 4.1 shows the flow chart & fig 4.2 shows the screenshot after the store incharge login.

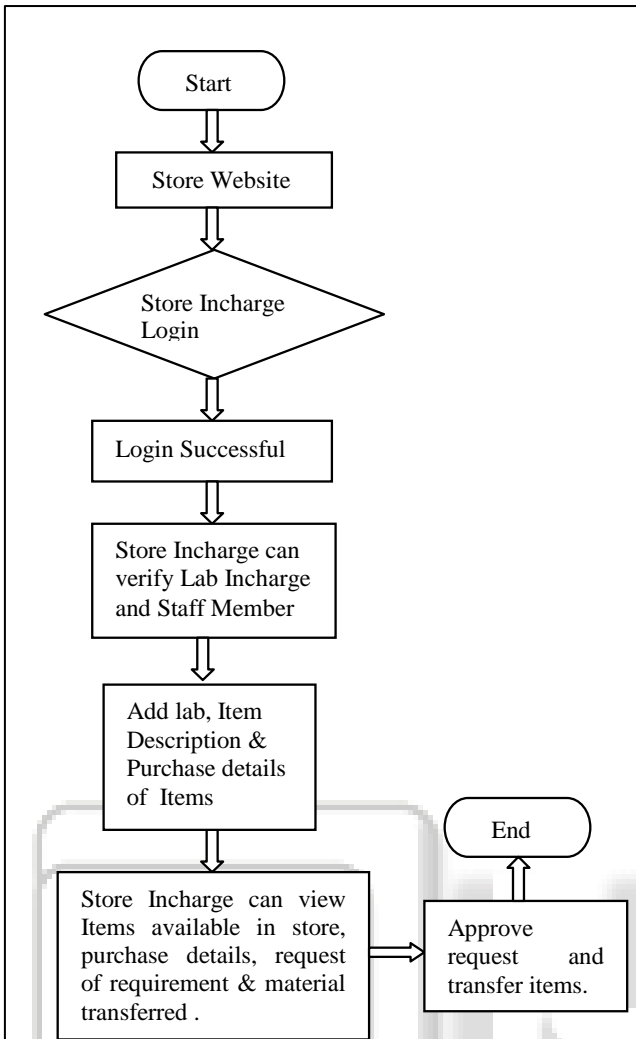


Fig. 4.1: Flowchart of Store Incharge Login

SR NO	Employee ID	Lab Name	First Name	Last Name	Email	Mobile Number	Status	Verify
1	4532	LC2	Pranali	Awan	pranali@gmail.com	9423652870	Inactive	Active
2	325	10F	Mahi	Papal	mahi.papal@rediffmail.com	9090768855	Active	Inactive
3	12548	LC1	Ashwarya	Thombare	ashwarya.thombare4@gmail.com	9707983411	Active	Inactive

Fig. 4.2 Screenshot of Store Incharge Login

A. Lab Incharge Registration:

Lab Incharge can register here for the further process. They have to fill all the fields given in this registration. Below figures shows the flow chart and GUI for the Lab Incharge registration.

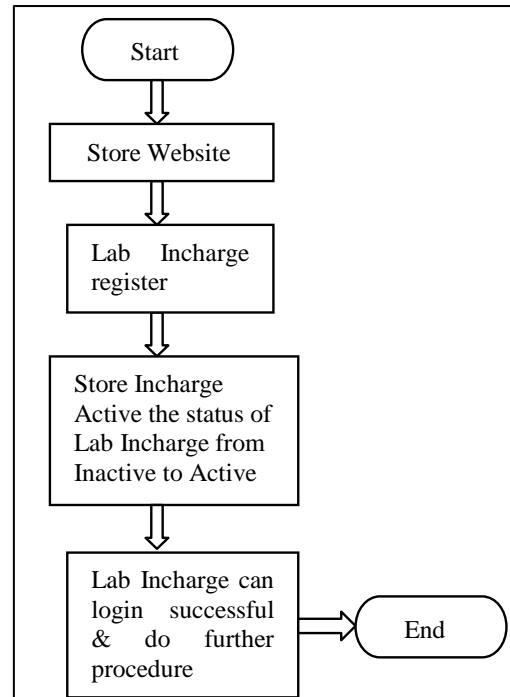


Fig. 4.3: Flowchart of Lab Incharge Registration

Store Management System Home Login Register

Lab Incharge Registration

Lab Name*
Select Lab Name

Employee ID*

First Name*

Last Name*

Gender*
Male

Email*

Mobile Number*

Password*

Fig. 4.4 Screenshot of Lab Incharge Registration

B. Lab Incharge Login:

Lab Incharge can view profile , available items in lab, issued items and request status. Lab incharge can request for items to Store Incharge. Below figures shows the flow chart and GUI.

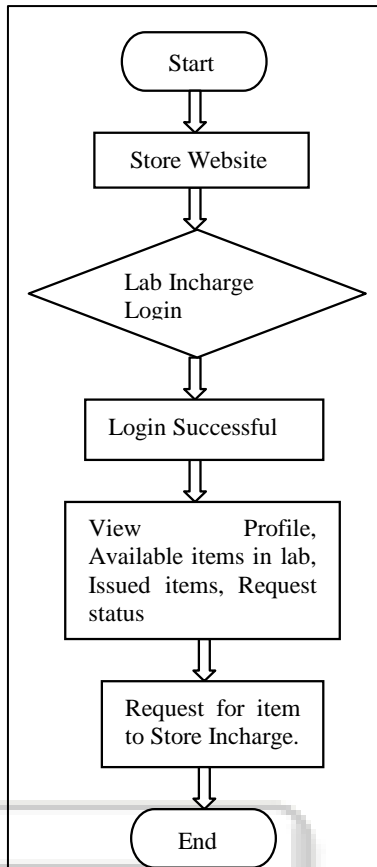


Fig. 4.5: Flowchart of Lab Incharge Login

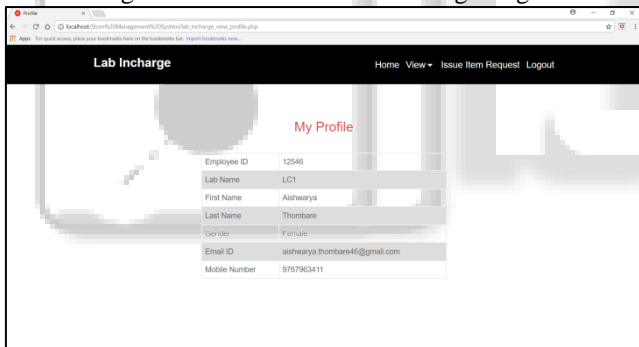


Fig. 4.6: Screenshot of Lab Incharge Login

C. Staff Member Registration:

Staff Member can register here for the further process. They have to fill all the fields given in this registration. Below figures shows the flow chart and GUI for the staff member registration.

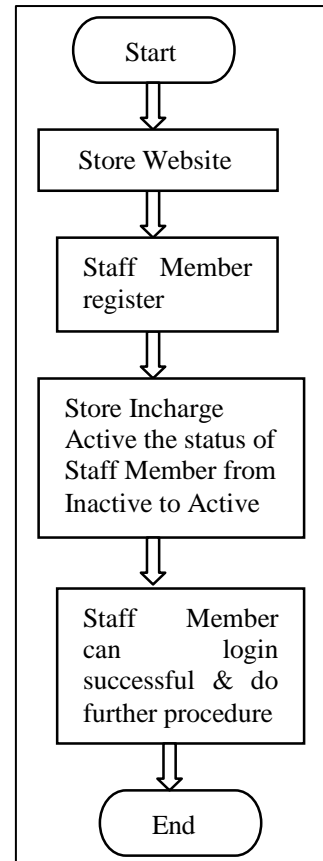


Fig. 4.7: Flowchart of Staff Member Registration

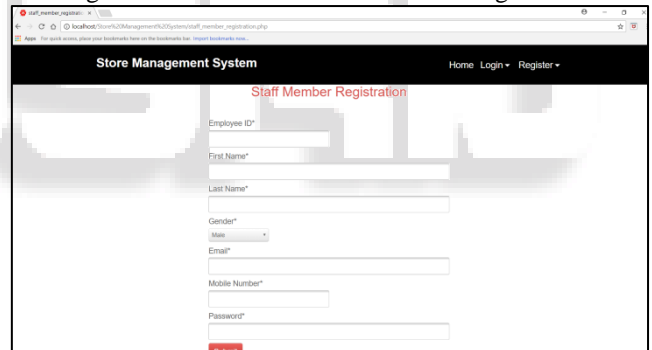


Fig. 4.8: Screenshot of Staff Member Registration

D. Staff Member Login:

Staff Member can view profile, issued items, request status. Staff Member can request for items to Store Incharge. Below figures shows the flow chart and GUI.

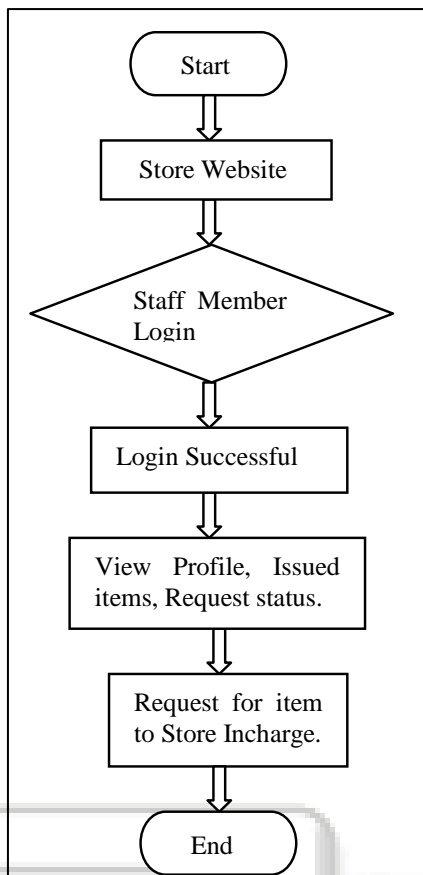


Fig. 4.9: Flowchart of Staff Member Login

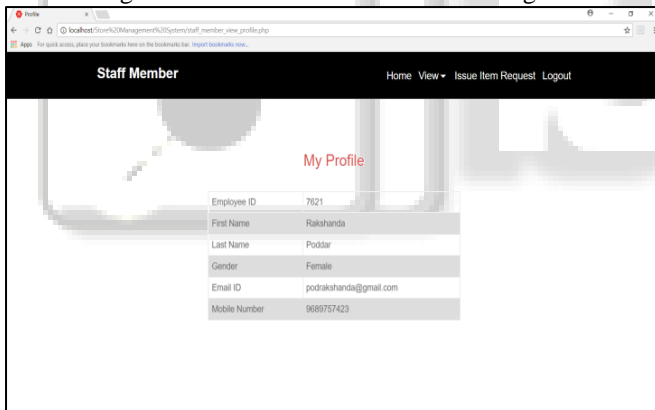


Fig. 4.10: Screenshot of Staff Member Login

VI. CONCLUSION

The Store Management System is used to facilitate a user friendly environment for all maintain users and reduces the manual effort. Earlier we the record of store items manually, but it seems difficult to maintain. By using this system we can easily manage all information of store. This system also displays appropriate information to users according to the selected module. The Store Incharge has rights to login and then take users requests further. The Lab Incharge and Staff Member can send in request for items which are present in store to Store Incharge.

Store Management System leads to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on record keeping.

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- [1] Bainson Claudia and Philip Kwesi Bainson, "Efficient Stores Management- A case study on Takoradi Polytechnic Stores Department", International Journal of Business and Management Review, Vol.4, No.1, pp.33-14, February 2016.