Asset Management System

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Abstract: Asset Management System is aimed to digitalize the present manual process of stock (inventory) management of our college. The system is a web based application that manages the various items in the inventory of our college. The Asset Management System (AMS) manages all the processes for the stock of our college including requirements, quotation comparison and selection, amount sanction, delivery details and bill generation. The system stores all the information about the stock and its maintenance, and generates report accordingly. The AMS is capable of solving various problems in the manual purchase and sale documentation. Asset Management System ensures quality control to handle transactions resolving around consumer goods. A large retail store may run out of stock on an important item without a proper management system. The AMS will alert the inventory manager when it is time to record and purchase notification for that product. The AMS will keep a track on large shipment and helps to minimize the errors while recording the stock to maintain them more efficiently.

1. INTRODUCTION

The project Asset Management System (AMS) is a web based applications. The main aim of the project is to develop Asset Management System Model software in which all the information regarding the stock of our college will be stored, and can be accessed by different authorities at any time any place. It has an admin component that keeps record of the inventory stocks and purchase which is mainly a database based desktop application. This application is based on the management of stock of an organization. The application contains general organization profile, sales details, Purchase details and the remaining stock that are presented in the organization. There is a provision of updating the inventory also. This application also provides the remaining balance of the stock as well as the details of the balance of transaction. Each new stock is created and entitled with the named and the entry date of that stock and it can also be update any time when required as per the transaction or the sales is returned in case. Here the login page is created in order to protect the management of the stock of organization in order to prevent it from the threads and misuse of the inventory.

2. PROBLEM DEFINITION

We started research by identifying the need of AMS in the organization. Initially we bounded our research to find the general reasons that emerged the needs of Asset Management System. We used different techniques to collect the data that can clearly give us the overall image of the application. The techniques we used were interview with the developers, visiting online websites that are presented as the templates and visiting some organization to see their AMS application. Basically the following factors forced us to develop AMS application:

1. Cost and affordability
2. Lack of stock management.
3. Effective flow of stock transfer and management.
4. Difficulty in monitoring the stock management.

3. PROPOSED SYSTEM

1. Asset management is web and desktop based application which has two major components, an application for automatically capturing the inventory data pertaining to the installed hardware and software of a computer and its associated peripherals, and second component named which helps in the management of these inventories.
2. The second module makes use of the data captured by the first and the financial and commercial data pertaining to the inventory.
3. The financial details include data on purchase order, invoice, warranty and commercial details include data on suppliers, contacts, contracts etc.
4. The financial and commercial data have to be entered manually into the second module. The data captured could be imported into the second module, also manual entry of inventory data is possible in the software.

5. LITERATURE REVIEW

4.1 Existing System

1. Existing system is a manual process.
2. Since it is totally manual process, one has to generate the application and forward it to next in the form of hard copy.
3. It involving large amount of paper work and is a time consuming process.
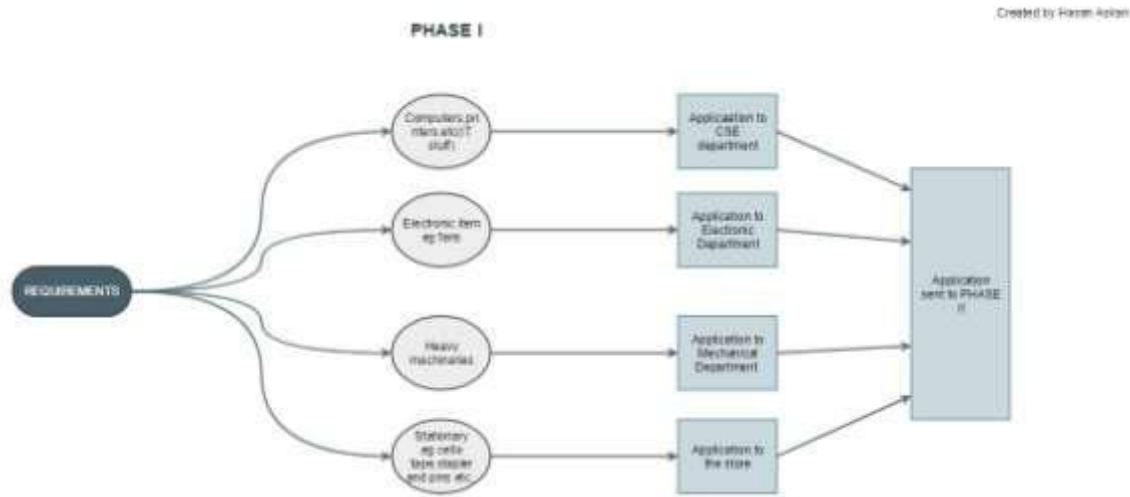4. The existing process of asset management is explained in the following flowcharts:
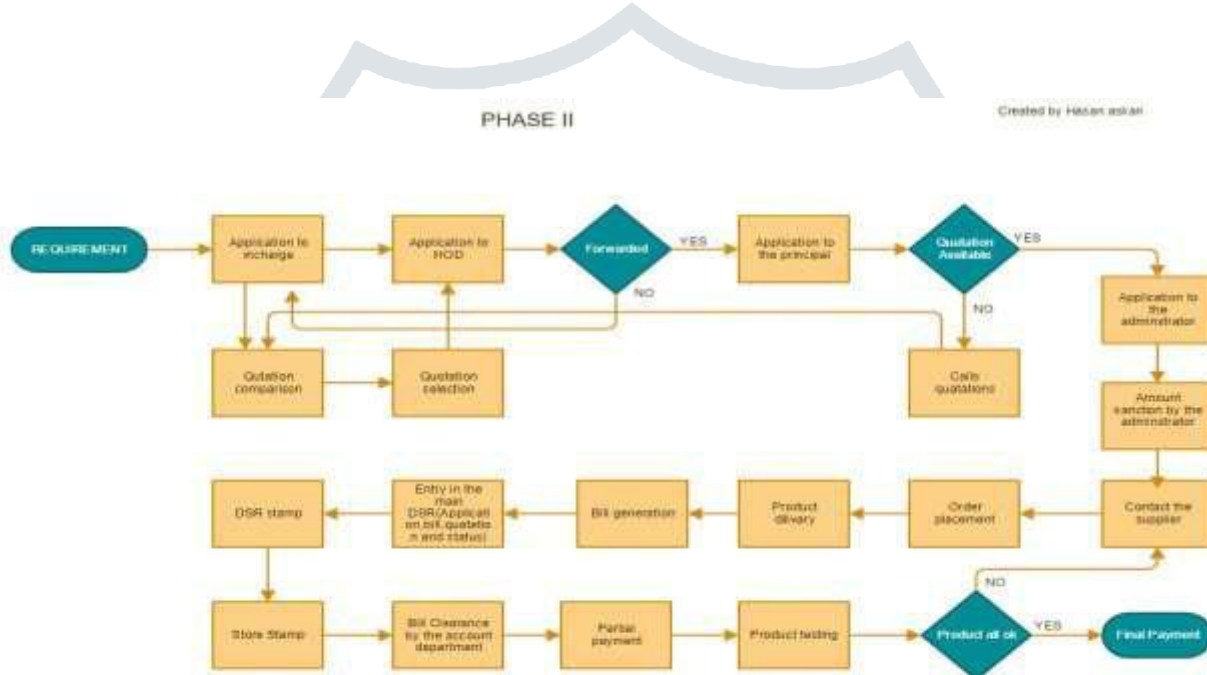
Fig1. Phase I of the existing system.

Fig2. Phase II of the existing system.

4.2 Disadvantages of Existing System
1. Time Delay
2. Data Redundancy
3. Data Accuracy

5. MODULES
The AMS consists of five modules in the application

5.1 LOGIN AND REGISTRATION

Fig 3: Login and Registration page.

5.2. DASHBOARD
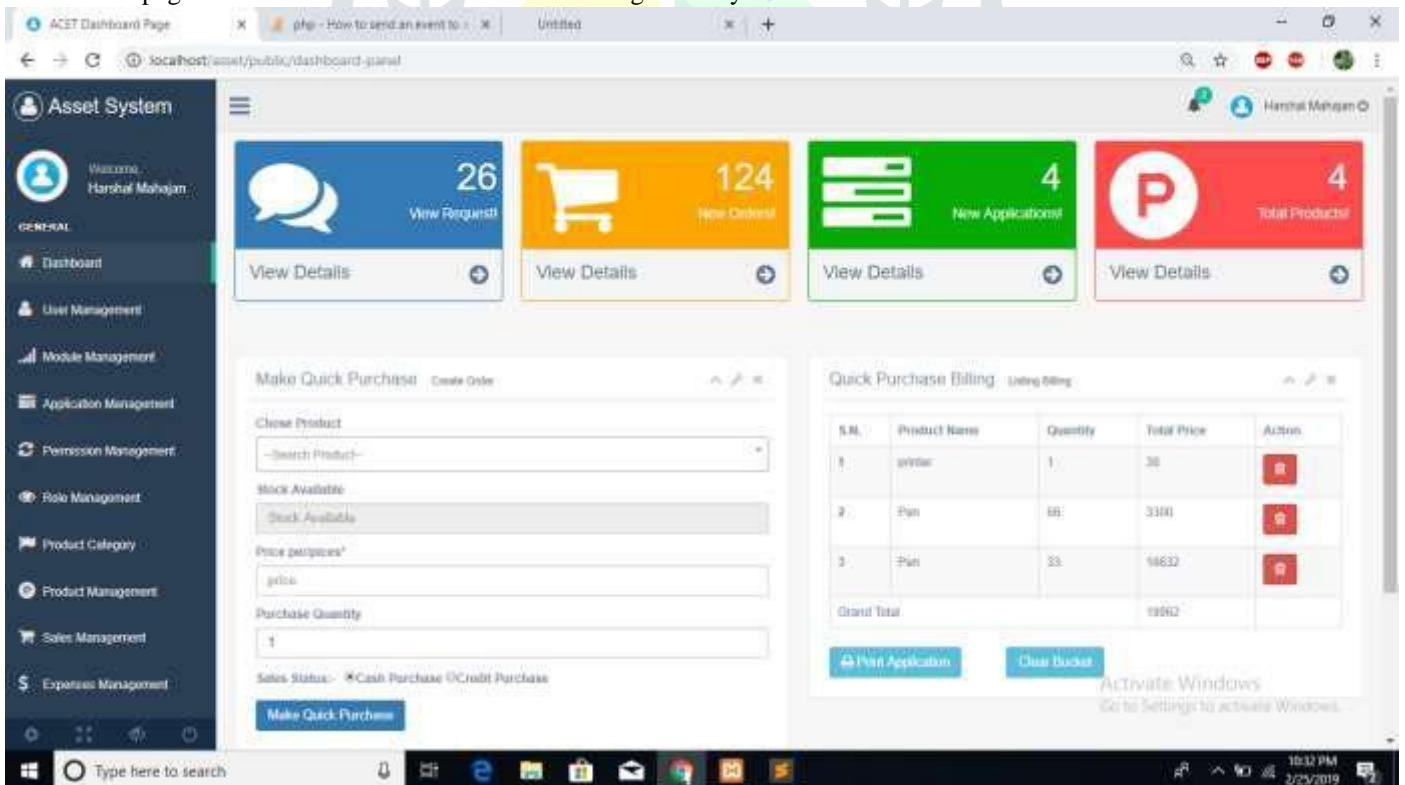- This page shows all the features of the Asset Management System.

Fig 4: Dashboard.

5.3. ADMIN AUTHENTICATION
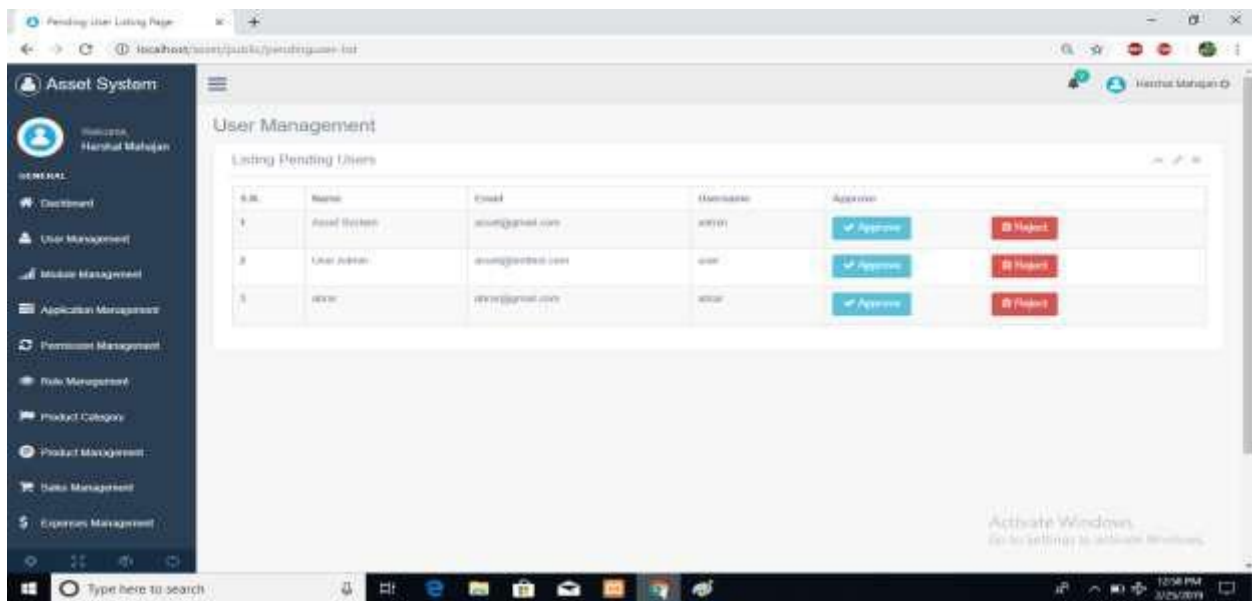- The admin can authenticate the user and it can be reviewed in the user management module.

Fig 5: Admin Authentication page.

5.4. APPLICATION MANAGEMENT
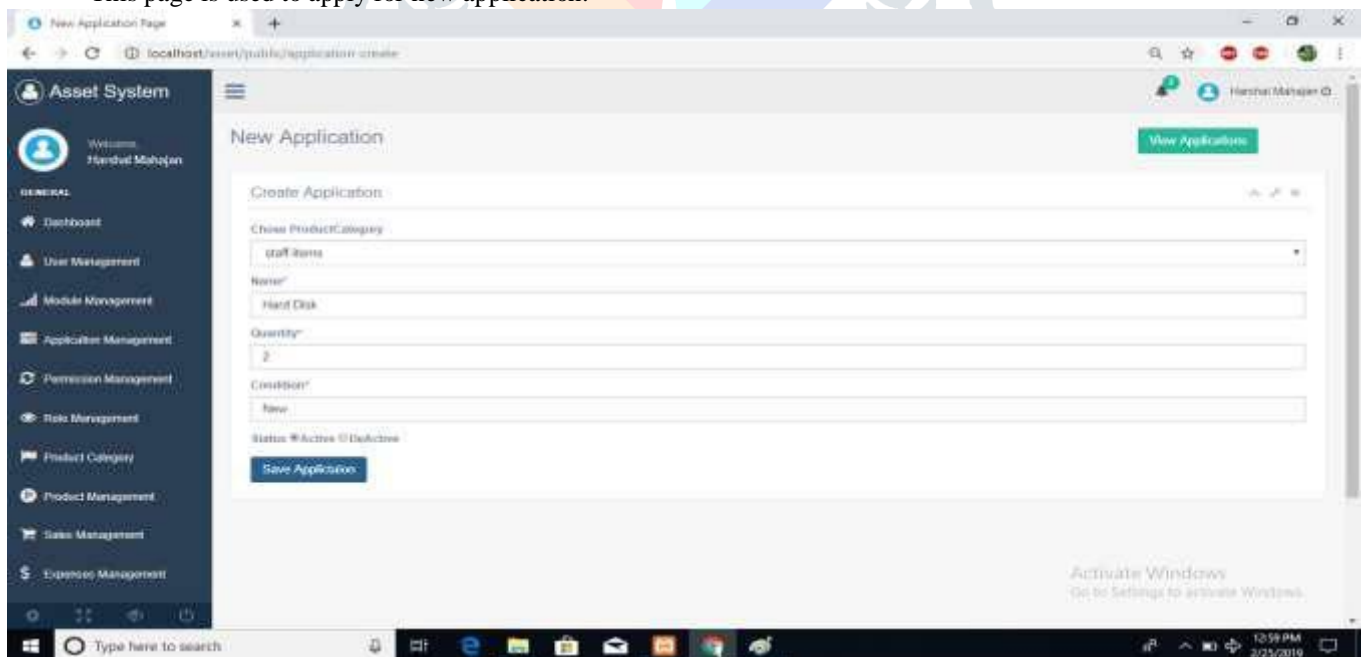- This page is used to apply for new application.

Fig 6: Application page.

5.5. PURCHASE MANAGEMENT

- This Page provides the information about the purchase made.

Fig 7: Purchase Management page.

6. CONCLUSION

Existing system is a manual process and hence maintenance of the records is difficult. More resources are needed to execute every purchase and stock maintenance. The AMS overcomes these problems. It is more efficient as less physical space is needed to store the data and less human efforts are needed. Thus the AMS simplifies the work load of the lab in charge, teachers, inventory manager, and other people involved in the whole process. Information regarding the process can be obtained using the AMS.

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