# Asset Management System

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*Abstract :* This project is aimed at developing a desktop based application named Asset Management System for managing the Asset system of any organization. The Asset Management System (AMS) refers to the system and processes to manage the stock of organization with the involvement of Technology system. This system can be used to store the details of the Asset, stock maintenance, update the Asset based on the sales details, generate sales and Asset report daily or weekly based. This project is categorized individual aspects for the sales and Asset management. In this system we are solving different problem affecting to direct sales management and purchase management. Asset Management System is important to ensure quality control in businesses that handle transactions resolving around consumer goods. Without proper Asset control, a large retail store may run out of stock on an important item. A good Asset management system will alert the wholesaler when it is time to record. Asset Management System is also an important means of automatically tracking large shipment. An automated Asset Management System helps to minimize the errors while recording the stock.

## 1.    INTRODUCTION

The project Asset Management System (AMS) is a complete 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 the organization will be presented. It is a mainly database based desktop application which has admin component to manage the inventory and maintenance of the inventory system. 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.

## 4.    LITERATURE REVIEW

### 4.1   Existing System

1.   Existing system was carried out through 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.   Existing system may leads to involving large amount of paper work and is a time consuming process.
4.   The  manual process of asset management is explained in the following flowcharts:
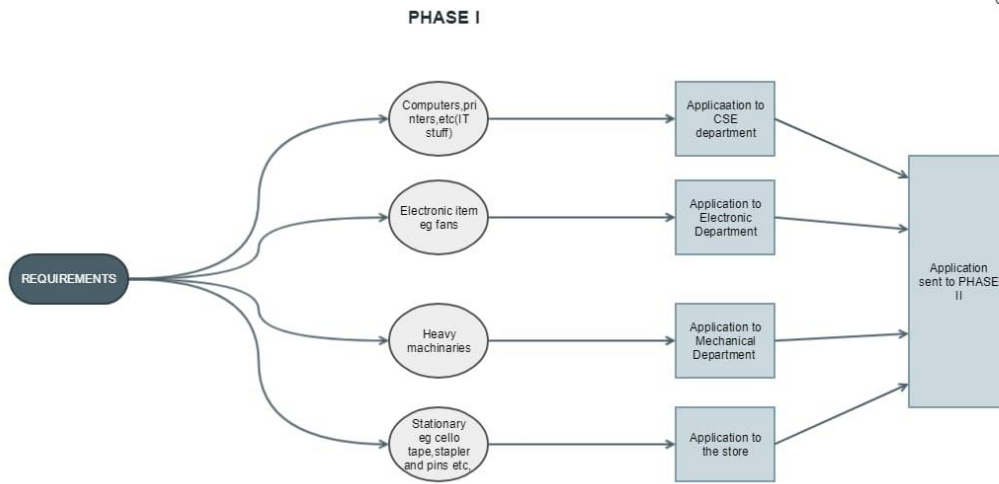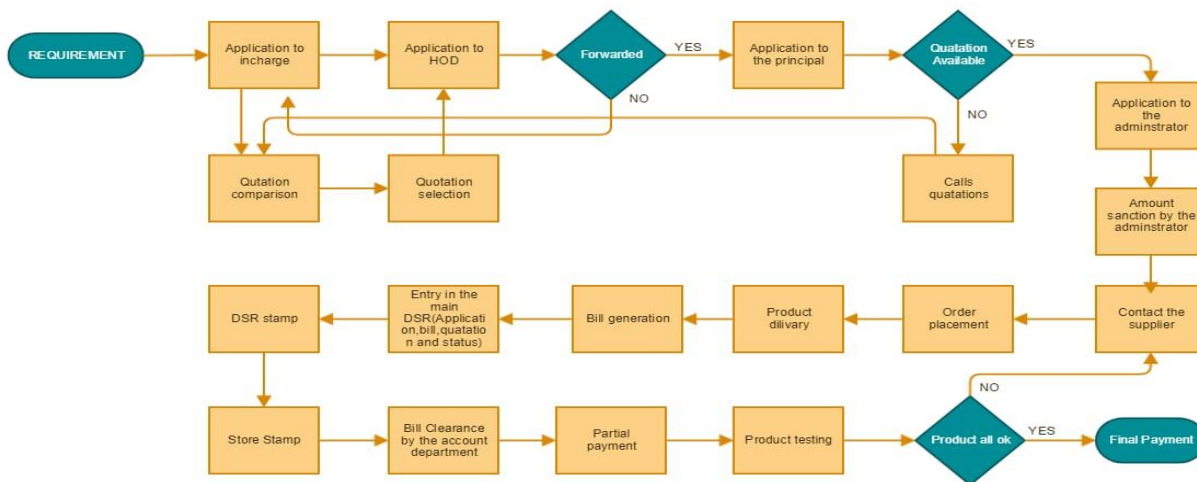
Fig1. Phase1 Diagram.



Fig2. Phase2 Diagram.

**4.2 Disadvantages of Existing System**
1. Time Delay: It is inefficient to deal with voluminous data manually in the existing system, record stored in different files. It takes lot of time to search different files.
2. Redundancy: As the branches are located in different locations same files have to be stored at all branches which involve lot of complication and duplication works thus causes redundancy.
3. Accuracy: Since same data is compiled at different branches the possibility of tabulating data wrong increases also data is more, validation becomes difficult. It may result in loss of accuracy of data.

**5. MODULES**
There are five modules in the application

### 5.1  LOGIN AND REGISTRATION PAGE

In this module admin has the authority to login and authenticate the new register.
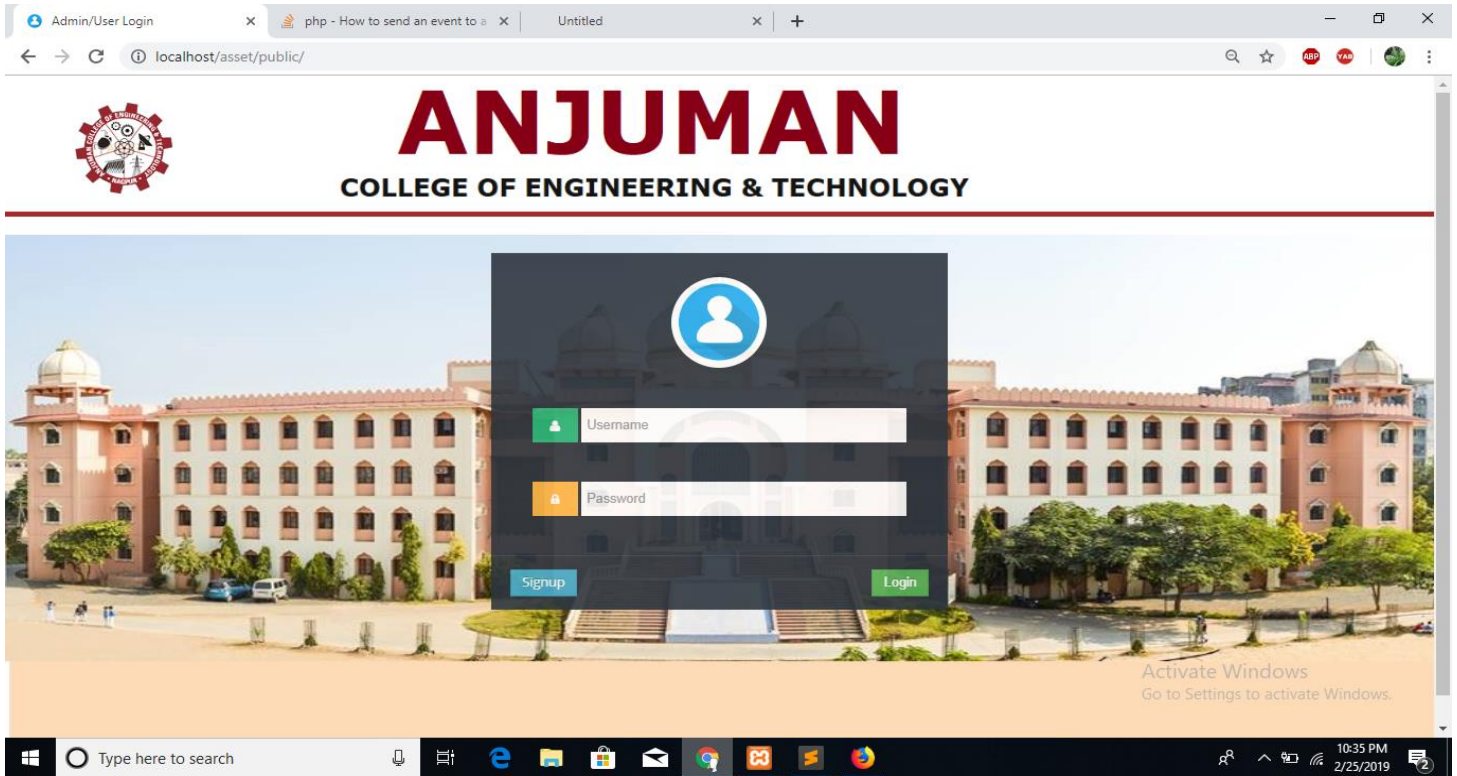


Fig 3: Login and Registration page.

### 5.2.  DASHBOARD

- This module helps to quickly access all the features of the Asset Management System.
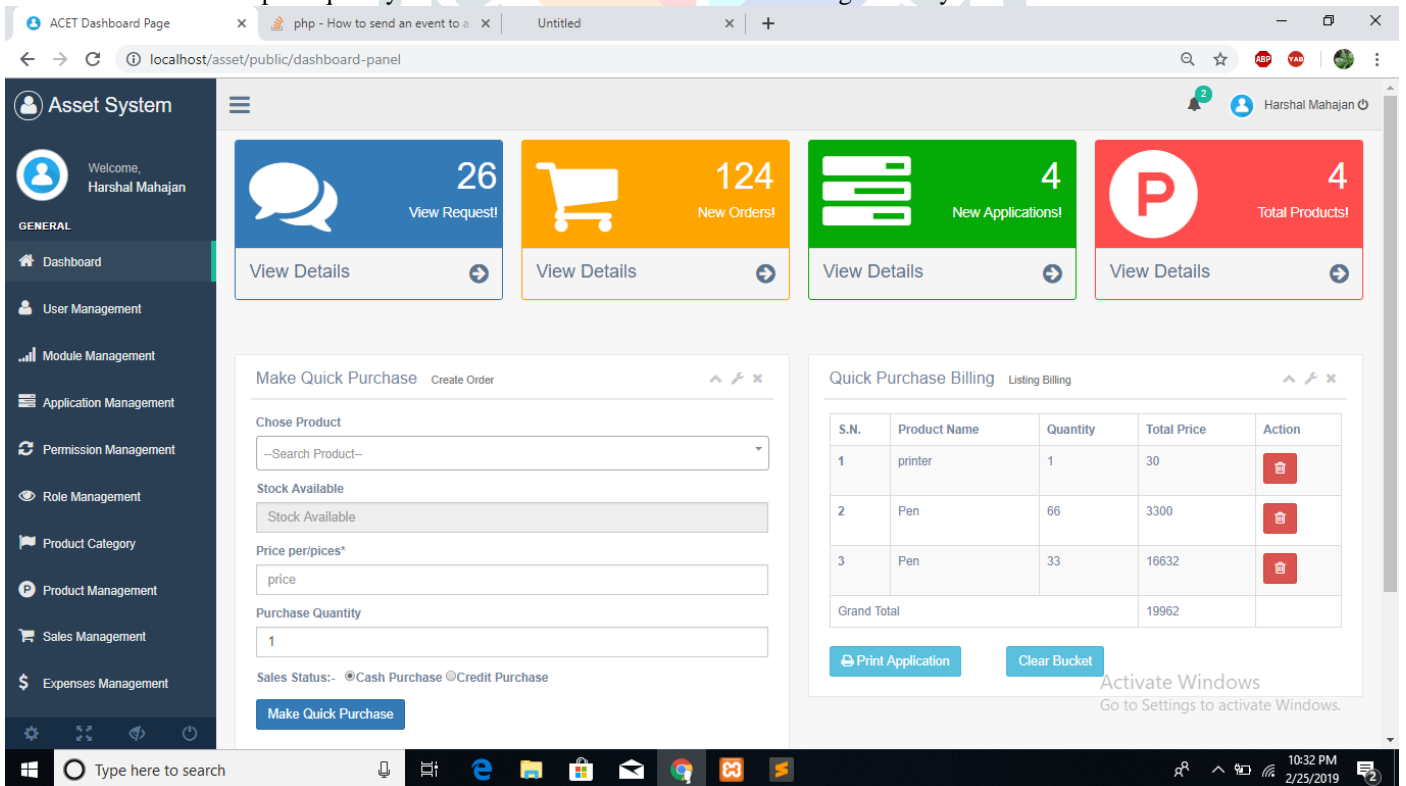


Fig 4: Dashboard.

### 5.3.  ADMIN AUTHENTICATION

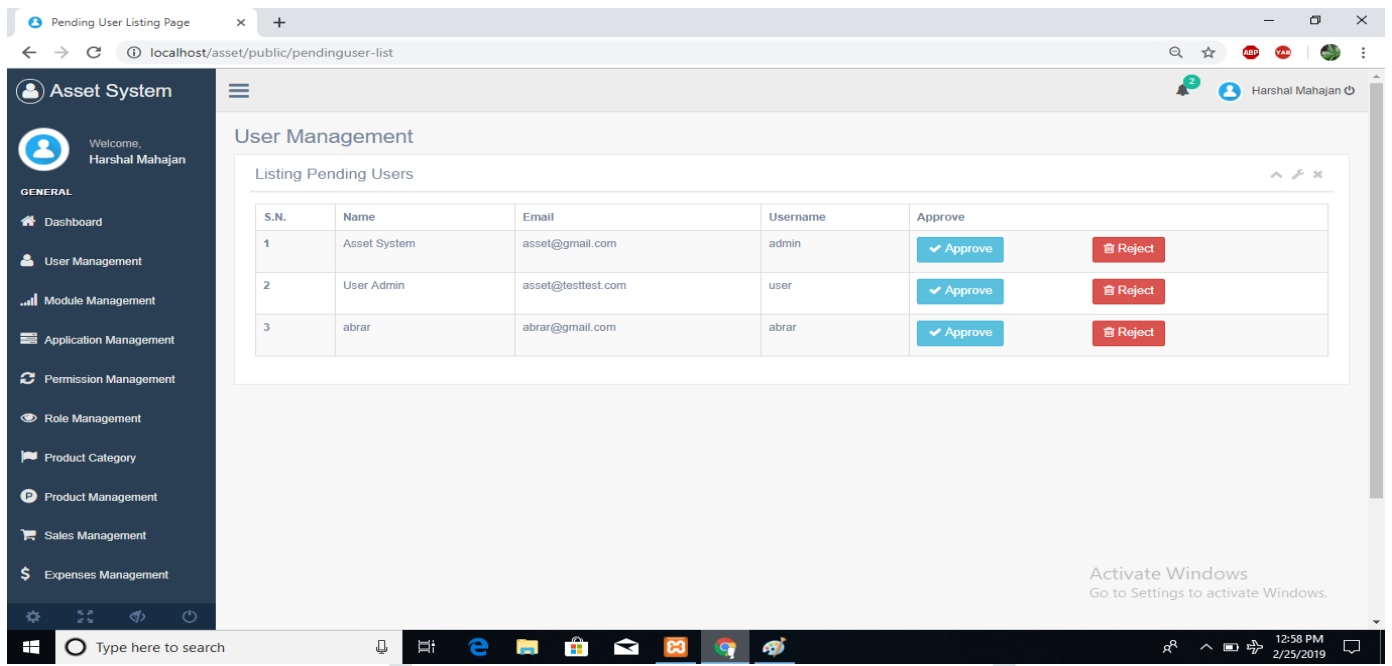- The Super Admin and Admin have the right to authenticate the fellow user. The list of all the authenticated registered users will be available in the user management module.



Fig 5: Admin Authentication page.

### 5.4.  APPLICATION MANAGEMENT

- The name of product and its related fields should enter to apply for a new application.
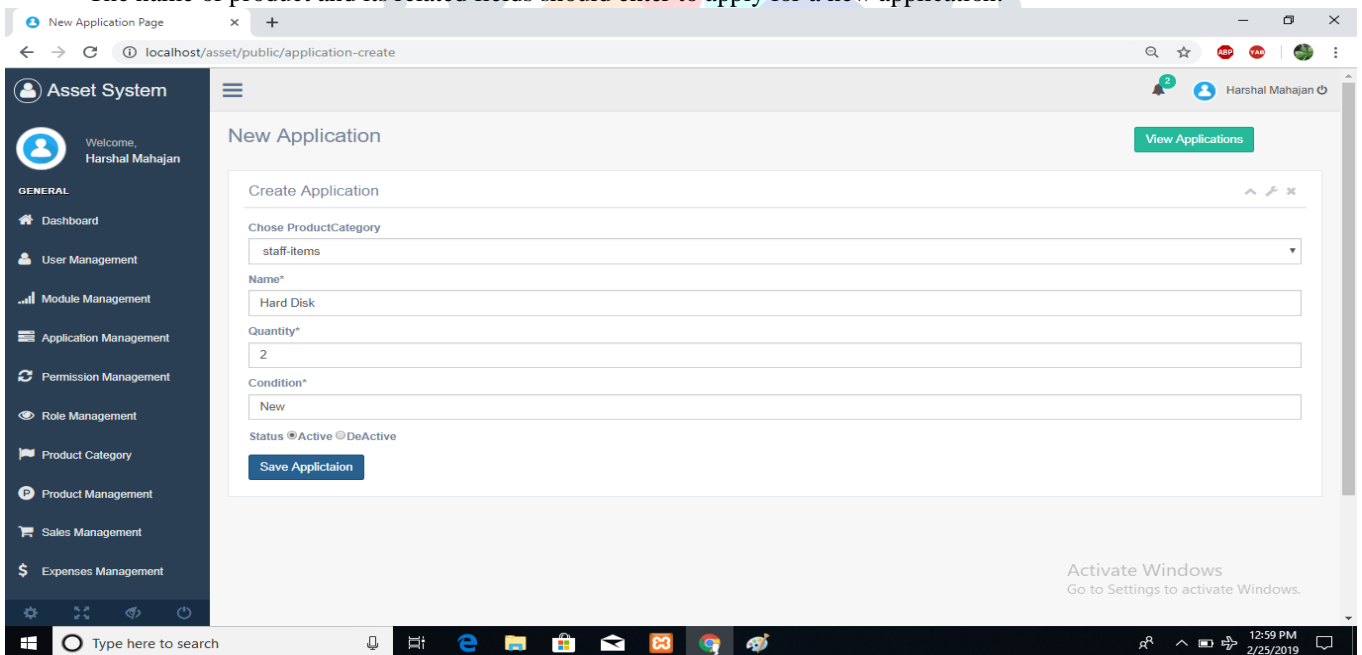


Fig 6: Application page.

## 5.5. PURCHASE MANAGEMENT

- The ordered product bills, invoices can be stored with the particular items



Fig 7: Purchase Management  page.

## 6.　　CONCLUSION

　　　　Existing system was carried out through manual process. Maintenance of the records in the existing system is difficult. Lot of time is taken to search for a particular record. The above problems are overcome in our  application. It will reduce the human effort and lighten work burden on managing the inventory detail. So, this Asset Management System will ease the work of the teachers and lab in-charges. All the required information can be obtained at a single place.

### REFERENCES

[1] S. H. Ma and L. Yong, "Supply chain management," Beijing: Machinery Industry Press, 2005.
[2]F. Zhang, J. L. Zhang, K. K. Lai, and Y. B. Lu, "An novel approach to supplier selection based on vague sets group decision," Expert Systems with Applications, 2009, Vol. 36, No. 5, pp. 9957-9563.
[3] J. R. Stock and D. M. Lambert, "Strategic logistic Management," China Financial and Economic Publishing House, 2003.