ASSET MANAGEMENT SYSTEM

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ABSTRACT

In the age of today, organizations face tremendous challenge in monitoring effectively the whereabouts, quality, working condition, depreciation and maintenance status of things of value in their organization. This problem is faced not only by large organizations but also the medium and some smaller organizations. The main purpose of Asset Management System is helps to track and manage the assets efficiently. It tracks all newly added assets, and has a record of all the assets in the organization. It is used to check the deficiency of managing assets and helps to maximize the organizations value by making fixed and intangible assets to be easier to locate, more reliable and efficient.

Keywords: Assets, Records, Organizations.

INTRODUCTION

Assets are a key factor as an investment in every organization these days. For an organization to manage its assets effectively all assets owned by the organization must be registered and recorded in the organization. The assets contain not only the names and serial numbers of the assets, but also the asset information, finance information, vendor information, licenses information, working condition amongst other information the organization wishes to capture. Ujongbakuto (2014) describes Asset Management as any system that monitor and maintains things of value to an entity or group. It may apply to both the tangible assets such as buildings and to intangible concepts such as intellectual property and goodwill. It is a systematic process of deploying, operating, maintaining, upgrading and disposing of assets cost effectively. To ensure an accurate, well detailed, up-to-date and secure database of assets present in an organization, an alternative is to use a web-based management system where records can be digitally archived, thereby reducing filing activity at the end of each terms end.

EXISTING SYSTEM

In existing system has time consuming and it is very difficult to produce the report for any person and there is a chance for changing the scheme report by doing malpractice. It leads to less efficiency, less accuracy and less productivity.

Drawbacks of Existing System

- There is lack of security and accuracy for the data.

- Due to lack of centralized data structure, it is very difficult to merge the data to analyse the statics.
- Possibility of errors during processing and calculations.
- There is lack of security and accuracy for the data.
- Reports are not in attractive manner.
- Due to lack of centralized data structure, it is very difficult to merge the data to analyse the statics.

PROPOSED SYSTEM

The new system is designed to solve problems affecting the existing system in use. Asset management system will be able to provide the centralized database for tracking all hardware and software assets so that the details of each asset are accessible at any time. It also provides information about the physical location, deployment and status of each asset. Detailed history tracking to monitor any changes made to assets in the centralized database system. The ability to track depreciation on fixed assets for meaningful insights on an assets useful life. It will generate the customized reports that provide actionable data. This system will make it easy to manage each of the assets easily and quickly.

MODULES

The Asset Management System modules are listed below

- Dashboard
- Assets
- Vendors
- Licenses
- Reports

MODULE DESCRIPTION

Login is the mandatory part for every system and services. Asset Management System also having a login page to entering into the system, only admin can access this page and it is represented in **figure1.**

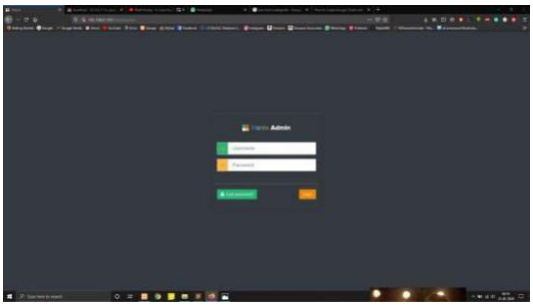

Figure 1- Login Page

Dashboard

The Dashboard module provides a quick overview of the most important information about the assets in the infrastructure. It includes the information about the asset categories and recent added assets and it is represented below in **figure 2**.

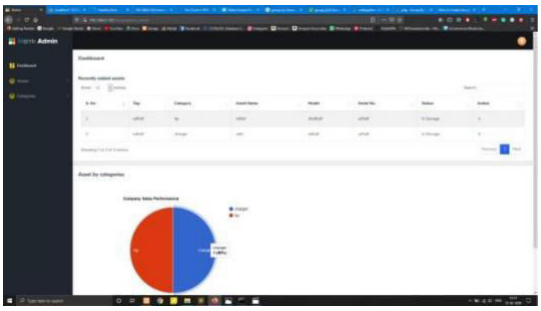

Figure 2- Dashboard

Assets

The Assets module handles how the asset items are updated and assigned to the

organization. By selecting the add option it mainly contains asset tag, vendor, category, manufacturer, model, status, warranty, condition etc and it is displayed in **figure 3**.

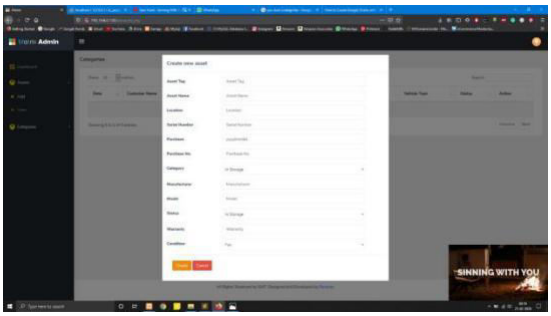

Figure 3- Assets

By selecting the view option, it handles the asset information, finance information, vendor information and licenses information. The categories option is used to manage the asset name, description and give a badge colour to specify the asset information and it is represented in **figure 4**.

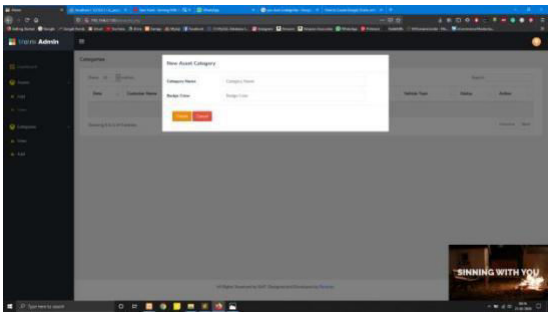

Figure 4- Categories

Vendors

The Vendor module deals with the creation and maintenance of personnel who are in charge of supplying assets to an organization when needed. It contains the vendor number, vendor name, mobile number, email address and city.

Licenses

The License module handles how to maintain the software licensed in an organization and notifies on the license expiry.

Reports

The Report module generated a summary of all assets available in respective locations. It includes single day reports and multiple day reports. Single day reports will be generated based upon the date what we have given. Multiple day reports will be generating by given the start and end date to the system. Finally, it generates and prints the report with the certain information.

CONCLUSION

Asset management is important for businesses of all sizes. It helps in an accurate record of all types of assets. Using the system can help in efficient resource planning. It can also reduce the risk of theft of assets. This paper will help to monitor the assets located in different locations. This will get to know where the assets are located. It can run reports to know about the single day report and multiple day report information. Improved visibility of assets ensures that the assets are not misplaced. It can accurately calculate the value of assets including the depreciated cost.

FUTURE ENHANCEMENT

The future of asset management depends on a network-based asset management solution driven by IOT platforms that can brings together the manufacturer, services and logistics providers along with the operators of the

world. It will be the key to maximizing asset value, reducing time and errors, and improving customer service.

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