Research paper on Inventory management system

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Abstract - *Inventory Management System is software which is helpful for the businesses operate hardware stores, where storeowner keeps the records of sales and purchase. Mismanaged inventory means disappointed customers, too much cash tied up in warehouses and slower sales. This project eliminates the paper work, human faults, manual delay and speed up process. Inventory Management System will have the ability to track sales and available inventory, tells a storeowner when it's time to reorder and how much to purchase.Inventory Management System is a windows application developed for Windows operating systems which focused in the area of Inventory control and generates the various required reports.*

*Key Words***:** Inventory Management System, Hardware sales, Warehouse, PDF, update, tracking inventory, time saving, maximum profit

1.INTRODUCTION

Compared to larger organizations with more physical space, in smaller companies, the goods may go directly to the stock area instead of a receiving location, and if the business is a wholesale distributor, the goods may be finished products rather than raw materials or components. The goods are then pulled from the stock areas and moved to production facilities where they are made into finished goods. The finished goods may be returned to stock areas where they are held prior to shipment, or they may be shipped directly to customers.Inventory management uses a variety of data to keep track of the goods as they move through the process, including lot numbers, serial numbers, cost of goods, quantity of goods and the dates when they move through the process. Almost 60% of cash is allocated for the stock in an undertaking. Materials Management is identified with arranging, securing, putting away and giving the suitable material of right quality, right amount at correct place in opportune time in order to co-ordinate and calendar the creation movement in an integrative route for a mechanical endeavor. Stock Management is basically the procedure by which an association is provided with the products and enterprises that it needs to accomplish its goals of purchasing, stockpiling and development of materials. Stock administration frameworks are key to how organizations track and control inventories. Being able to quantify stock in an opportune and exact way is basic for having continuous business activities since stock is regularly one of the biggest current resources on an organization's accounting report. Stock is a rundown for products and materials, or those merchandise and materials themselves, held accessible in stock by a business. Bookkeeping stock is viewed as an advantage. Stock administration is required at various areas inside an office or inside different areas of a supply system to item the customary and arranged course of generation against the arbitrary unsettling influence of coming up short on materials or merchandise.

1.1 Motivation

The motivation of this paper is to create better understanding in redefining requirement of retailer for paper publication. Hopefully in the future requirement shopkeeper knowledge that I have is able to make a significant contribution in new idea development process that might be made.

1.2 Problem

Generating backup data is a critical process in a project for our shopkeeper. This work can be categorized as time consuming job and need high accuracy when placing the proper materials with its quantity. Moreover the project scalability itself will increase the risk so is the processing time hence can make us loose the control when there is a lot of revision, like drop and insert, that being made. Since this is the first time we create the automation, there are so many requirements that might not defined properly. Thus the purpose of this paper is to review and redefine the automation's requirements from basic like:

• What are their requirements?
• How can we fulfill the Shopkeeper's requirements?
 • What is our limitation to fulfill those requirements?

1.2 Solution

The requirements from the shopkeeper to create backup inventory within limited time and in high accuracy makes us to come up with automation solution by using desktop. At this time we think that this is the based solution. However it might need some improvement in the future based on the lesson learned so is the new requirement from the shopkeeper

2.1 Invoice Generator

We can keep up the subtle elements of invoice administration, with the goal that we can organize information in one table arrangement. The proprietor of this organization can discover every one of the subtle elements in one view page design. All the stock section ought to be keep up in that view, so it can be refreshed in each time as saucy the necessity.

2.2 Print Invoice

Printing module can print out the design of the invoice. It can be changed over into an PDF design, and produced the invoice for the client.

2.3 View Invoice

In this the proprietor of this organization can see the one tab detail of all the client, which they purchase over a day, week or a month for the count the item, so they can assume the which item are required for the customer and bookkeeping to that they can settle the markdown and different offers.

3. OBJECTIVES

- To find out the optimum level of inventory to be ordered at a point of time
- To study the inventory management system in construction industries based on size of the project, type of the structure, existing management principles.

4.METHODOLOGY

Research strategy can be characterized as efficient and purposive examination of actualities with a goal deciding the powerful relationship among such certainties and research between at least two wonders from the broad writing study it is much clearer to contribute specifically for the effective consummation of the venture, are impacted by stock administration framework. Specifically, looks into were directed to little degree to investigate about stock administration in development ventures. This cause affect on execution of the stock administration. To yield a coveted execution, it is important to guarantee the task work successfully. Poll study was directed among development experts to distinguish their feeling towards stock administration framework in their association. The got information is dissected to discover the recurrence of reaction for different elements.

5.SCOPE OF THE PROJECT

This worries the barely recognizable differences between renewal lead time, conveying expenses of stock, resource administration, stock estimating, stock valuation, stock deceivability, future stock value gauging, physical stock, accessible physical space for stock, quality administration,

recharging, returns and deficient merchandise and request anticipating and furthermore by recharging or can be characterized as the forgotten load of anything utilized as a part of an association.

6. APPLICATION

The procedure of stock proportionality is most fitting for inventories that stay inconspicuous by the purchaser, rather than "keep full" frameworks where a retail customer might want to see full retires of the item they are purchasing so as not to think they are purchasing something old, undesirable or stale; and separated from the "trigger point" frameworks where item is reordered when it hits a specific level; stock proportionality is utilized viably by without a moment to spare assembling procedures and retail applications where the item is escaped see.

7. CONCLUSION

This paper presents an alarm about the information section in the bill which in view of desktop application. It's a straightforward desktop application inwhich the network to the immediate distribution center with the goal that information ought to be refreshed in store for the confirmation. It's a secure application in which the no information spillage from the stockroom. And furthermore gives the one table organization look so that after the finish of month we know about what we sold.

8. REFERENCES

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