**LAN BASED**

**INVENTORY MANAGEMENT AND MONITORING SYSTEM**

**OF JIMCZYVILLE PUBLICATION**

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**PROJECT CONTEXT**

In the world that we currently live in, technology is a very vital factor. With each passing days a new software or gadget is being brought into the market that serves to improve our lives in one way or another and make it much easier and also to advance an already existing software or gadget. Technology plays a big role in making our lives easier to the point that the contribution of the technology studies in schools, offices and in a business has been undeniably strong and effective. Technology is also increasingly growing its importance in the education sector, the more technology advances, the more benefits it provides.

Inventory management is a vital part of any retail business that tackles about the goods and materials that a business holds for the ultimate goal of resale. Inventory management provides you with the critical information about the condition of your products, such as whether you are low on stock and your inventory needs to be up replenished. Inventory management also provide your customer with accurate information, letting them know when items are out of stock, back-ordered or pre-ordered. Failure to provide your customer with this information puts you at risk of losing failure business. Inventory management also gives your insight into which products are selling well and which are products are not. This information allows you to make better business decisions on how to market your products, and whether or not to carry them.

Given the advantages of developing a system in a business organization, the aim of the present study of the researchers was to develop a Lan-based Management and Monitoring Inventory System of Jimczyville Publication to be utilized by the administrative personnel or an I.T. staff. The inventory management and monitoring system will help the personnel in charge to find out the capacity of the supplies, manage client transaction, update supplies, generates reports and most of all securing file for the security purpose. The proposed system will also help the beneficiary lessen the time cost and replace the current practice of extensive manual recording. this holds a key for an organization to gaining competitive advantage through efficient operational performance.

**SCOPE AND LIMITATION**

The study will focus only in the development and implementation of the proposed system which will conducted and implemented in the Jimczyville Publication. The proposed system will be programmed in php language that can store, update and view the current stock of the company and will be protected using a log-in form in which, other than the manager can access the proposed system.

**The system will cover**

* Stocks of every product
* Purchase order of every order made
* Only admin can edit the system
* Staff can only view the system
* Contains admin and staff account
* Contains the details of the customer

The proposed system is dependent on human entry. Although the system updates each time a transaction enters the system, it might lack on information regarding stolen or damaged books. The company remains unaware of the theft or waste books, until it performs physical count. Also, the other limitation is that an employee might enter data incorrectly, thus creating inaccurate information that can harm their decision making regarding the incident.

**The system will not cover**

* The budget and finance purposes in the system
* Not an online transaction
* Discount offers in any customer
* No major credit card transaction during payment, only cash payment

PROCESS

OUTPUT

Lan Based Inventory Management and Monitoring System in JIMCZYVILLE PUBLICTION

INPUT

System Development

Life Cycle

Iterative Model

* Initialization
* Planning of Processes
* Requirements
* Designing
* Developing the System
* Implementation of System
* Verification
* Evaluate of Systems
* Deployment of System

Hardware

Requirement

* System Unit

Software

Requirement

* XAMMP
* Web Browser
* Operating System

(Windows version

7-10)

Knowledge

Requirement

* Flow of the

System

* Transaction process and product list of Jimczyville publication.

EVALUATION

The above figure shows the IPO of the Lan Based Inventory Management and Monitoring System in JIMCZYVILLE Publication. It only requires a system unit and local area network for connection.