Chemical Management System

OBJECTIVE:

Our project chemical management system is an online system in this project administrator can maintain all the information about sales and purchase of medicines and customer details and stock details, and all the information stored in database. When we go for previous system administrator can maintain the details about sales and purchase of medicines and customer details and stock details are stored in records or files so in the manual system there is no security to all information, Risk of mismanagement of data when the project is under development, In the manual system time can be taken more, Mismatching of data in files, Maintaining all the information's in records so it is difficult. If they want any record they have to search all the records by manually. These cause of the reason we proposed the online system in this we maintain the database by using system, more security for data, No mismatching of data, This system provides easy access to the particular information, Keep track of all the stock details registered for use with the online system, Customer details, sales and purchase details and stock details is centrally stored and retrieved from a secure database server.

Objective

The main objective of CMS is to maintain the appropriate details of sales, purchases of medicines and to support the online ordering of medicines thus, in return reduces the manual labor.

Chemical Management Policies

Chemicals management policies should:

• Assure that public health and the environment are protected from risks associated with use and foreseeable misuse of chemicals in commerce

• Assure that the risks of chemical manufacture, distribution, use, disposal and recycle are adequately characterized; safe conditions are defined; and that appropriate measures are put in place to control potential exposures within predefined conditions for safe use and environmental protection

• Include support for appropriate enforcement to ensure compliance with requirements that protect human health and the environment and that sustain a competitive chemical industry

• Increase public confidence about the safety of chemicals

•Provide timely responses to public concerns about chemical risks

Proposed System

1. In the proposed system we maintain the database by using system
2. More security
3. No mismatching of data.
4. This system provides easy access to the particular information
5. Keep track of all the stock details registered for use with the online system.
6. Customer details, sales and purchase details is centrally stored and retrieved from a secure database server.
7. Confidential and secure data transfer.

Purpose

In order to help the chemical management system to maintain the details of sales, purchases and financial transactions easy this CMS project is very helpful.

Thus, reduces the manual work.

BACKGROUND:

CMS supports a consistent, coordinated regulatory environment for products at global, national and regional levels to complement industry voluntary efforts and to ensure a level playing field. Where new regulations are required, they should be based on established scientific principles that define safe conditions for use and impose requirements to assure that use is controlled within predefined safe conditions. Such a system must rely on risk assessment and risk management principles that are predictable, flexible and capable of responsibly addressing society's economic, environmental and safety requirements.

- A chemical management system should be risk-based.
- The system should screen all chemicals (new and existing) to determine further information needs in a tiered, risk-based approach.
- The system should initially leverage available information.
- The system should recognize the shared responsibilities of each party in the value chain.
- The system should promote transparency.

The primary objectives of a chemical management system should be the safe and environmentally sound use of chemicals, while maintaining the benefits for society associated with the use of chemical

products and ensuring a competitive industry. The system should also define the parameters for and facilitate the introduction of sustainable chemistry solutions into the marketplace.

Existing System

1. The existing system is a manual one so every work is done by manual.
2. In the manual system there is no security to all information.
3. Risk of mismanagement of data when the project is under development.
4. In the manual system time can be taken more.
5. Mismatching of data in files.
6. Maintaining all the information's in records so it is difficult. If they want any record they have to search all the records by manually.

Scope

The scope of the project is to maintain the sales and purchases of the medicines on a chemical management system.

Maintenance

The objectives of this maintenance work are to make sure that the system gets into work all time without any bug. Provision must be for environmental changes which may affect the computer or software system. This is called the maintenance of the system. Nowadays there is the rapid change in the software world. Due to this rapid change, the system should be capable of adapting these changes. In our project the process can be added without affecting other parts of the system. Maintenance plays a vital role. The system liable to accept any modification after its implementation. This system has been designed to favor all new changes. Doing this will not affect the system's performance or its accuracy.

Future Enhancement

The project has covered almost all the requirements. Further requirements and improvements can easily be done since the coding is mainly structured or modular in nature. Improvements can be appended by changing the existing modules or adding new modules. One important development that can be added to the project in future is file level backup, which is presently done for folder level.

- The size of the database increases day-by-day, increasing the load on the database back up and data maintenance activity.
- Training for simple computer operations is necessary for the users working on the system.
- We have to improve its GUI part to provide more attractive features to the user.

Conclusion

Finally, in this project we have to concluded that online system is better than that the manual system. In the past each and every work done by manual so it is too complicated that's why we proposed online system, in the previous system data would be maintain in file or records. So this is not secured system that's why we implemented online system in this all the information like stock details, customer details and sales and purchases and etc... Stored in database when we want to retrieve the data it can be easy compare to manual.

FUNCTIONAL REQUIREMENT:

The system after careful analysis has been identified to be presented with the following modules:

The modules involved are:

In this project we have 4 modules are there

1. Administrator
2. Sale and purchase
3. Stock details
4. Customer details

1. Administrator:

In this module administrator have username and password with this he can enter into the admin home page and he can create another user name and password by using create user form and he can change his password also. Admin can show all users information's and he can generate the reports also by using reports module.

2. Sales and purchase:

In his module we have to discuss about sales and purchase first of all we go for sales in that we have to insert or delete about customer code, medicine code, quantity , rate, grand total and etc… next we go

for purchase In this also we add the customer code, medicine code, quantity, rate, grand total, customer name and etc…

3. Stock details:

In this module we have to discuss about stock details in this we can add, update, delete, and cancel of item code, item name and price and etc…

4. Customer details:

In this module we have to discuss about the customer details in this we can add, update, delete, and cancel of customer code, customer name address, phone no. and etc….

NON-FUNCTIONAL REQUIREMENT:

Scalability - The system can be scalable from small to a large business.

Haphazard development – It is observed that some initiatives have already been made to provide IT based services to rural community. However, duplication of efforts is witnessed as most of the services revolve around limited subjects.

User Friendliness – The success of this strategy depends on the ease with which rural population can use the content. This will require intuitive graphics based presentation.

Security requirement - The system should take care of all required security of data and intellectual property of the organization etc.

Reliability – Specify the factors required to establish the required reliability of the software system at time of delivery.

Portability – The Chemical Management System shall run in Microsoft Windows environment.