**Synopsis for MCA- Sem-1 Mini Project**

1. **Title of the Project:**

COMPUTER HARDWARE SHOP MANAGEMENT SYSTEM

1. **Objective of the Project:**

1. The project keeps the detail record of Suppliers, Customers, Stock of parts, Employees of the Store.

2. The project provides the quotation of product to the customer which enables the customers to make his choice.

3. If the product not available in the store then Shopkeeper order to supplier for providing particular product which customer want.

4. Then related information about that ordered product stored in database of the store.

5. After the order given by the customer it generate the bill.

1. **Introduction:**

This software enables the products acquisition of sales and return operations on stalls and shop-in-shop systems with integrated product sale software and back-office functions. This software controls the entire lifecycle in the store through receiving, sales, inventory management. Role-based security ensures that access to specific functionality is limited to appropriate levels.

The Computer Hardware Shop project is about the working process of Computer store including purchase, sales, stock maintaining, manpower utilization, maintaining customer and supplier information .The project provide computerization of the whole work, thus it help to improve the quality and productivity of the store. The project will help store employee to maintain all related information about the purchase products, sales product, stock available in the store, supplier and customer .This project decreases the work load of store employee and provide suitable information about each product so that with the help of this project store employee can easily and quickly find the products, supplier, customer information whenever necessary.

The Computer Hardware Shop is to develop software based information of Computer goods shopping. In global business market the electronic products are most important accessory in real life. Visualizing the huge opportunity, this is an effort to maximize the business through the development of this software and keeping the data and thus increasing the customer base from the local as well as global markets around the world.

My ongoing project is a software application because nowadays software is a prominent tool of marketing mantra. With the advent of the software technologies, world has become a global village. Every year, millions more people around the world are added to the existing customer base. So considering a big hike in the revenue in this booming sector and one of the successful businesses through this software one should be proud to have such a technical deal.

1. **Scope:**

Being a computer system, the system has lots of scope. It not only carried out work faster but also efficiently. A lots of manual work like searching ,personal alias is reduced to a large extent. As this is computerized, system the manager is completely depends on computer for accessing details about students. Here incase there is power failure or some hardware problem which cannot be fixed easily, the manager cannot continue this work. He gets struck in the middle of the day and this dealing need to be postponed.

Also the software need to be maintained properly from time to time, that is if it requires being updated or modified etc. then the manager need to take care of it.

1. **Existing System and Proposed System:**

**Existing System:**

The project on “COMPUTER HARDWARE SHOP” enables to keep the records in the computer system with JAVA as Front-end and Microsoft SQL Server as Backbend.

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**Proposed System:**

The proposed system that we are making will be completely different and more importantly it will be user friendly. It can be operated by anyone .It comes with some up-to-date functions which you can perform by just clicking a mouse button. The aim of this system is to advance to the next level by making everything computerized. It has advantages like this:

1) It’s user-friendly and it’s completely computerized.

2) It has a huge data base which can store lots and lots of information.

3) Data can be easily entered, updated. I.e. data can be managed easily.

4) No need to worry about the storage of the data as it will be stored in your computer.

5) Search results can be shown to the clients at the same place and proper and correct information can be provided.

1. **Technology Used:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr**  **No.** | **Name of Resource/ Material** | **Specifications** | **Quantity** | **Remark** |
| **1.** | Processor | Core Pentium/ 1tb HDD Nvidia 4GB graphics card | 1 |  |
| **2.** | Primary Memory | 4 GB | 1 |  |
| **3.** | Operating System | 64-bit | 1 |  |
| **4.** | Computer System | Windows 10 | 1 |  |
| **5.** | Software Required | Eclipse IDE For Java Developers | 1 |  |
| **6.** | FRONTEND | JAVA |  |  |
| **7.** | BACKEND | Microsoft SQL |  |  |

1. **Limitations:**

1.Data has to be stored manually in files and registers.

2.Retrieval of this data is very slow and hectic because one has to search all the files manually.

3.As the INTEGER of files increases, it takes up lot of space making it difficult to manage.

4.Searching for old bills and files or registers takes a lot of time. 5. Data loss is always a major concern as a file or a register can be easily misplaced.

6.Natural calamity like floods, fire break-out and other such things can destroy the data, and it can lead to data loss.

1. **Future Enhancements:**

In my future version of this system I would like to add some following features in my project:

1. Some more reports will be added to make administrator task easier.

2. Interface will be made more user friendly.

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