**D.Y. PATIL INSTITUTE OF MASTER OF COMPUTER APPLICATION AND MANAGEMENT**

**(Akurdi, Pune)**



Title of the Project :

**MUSICAL INSTRUMENTS SYSTEM**

Submitted by *,*

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* **Introduction**
* The project “MUSIC INSTRUMENTS SYSTEM” is an application designed to manage all purchase, sales related operations within an organisation.
* The main objective of the application is to automate the existing system of manually maintaining the records of the product, customer, vendor, shop, purchase, sales details etc.
* In this project once the information is inputted, it will provide quick information regarding data.
* The new system will increase data accuracy, make music instrument shop management more secure, effective, convenient and accessible and begin to coordinate information across the system.
* It gives a brief look of the products being purchased from the vendor and the products being sold to the customer and reports are generated accordingly.
* **Existing Systems**
* Present System is totally depending on manual data management for different

activities such as maintaining details of the product, customer, vendor etc.

* They maintain different register for various activities such as storing and searching

data which is tedious and time-consuming task.

* In present system all transactions are done manually with pen and paper.
* So, the frequent updating is not possible also generating reports, accurately is not

possible with current system.

* Existing system is lacking in facilities such as searching, deleting, and updating data

efficiently and effectively

* **Proposed** **System**
* Our proposed system is computer-based application which provides various interfaces for various operation and hence flexible.
* Provide greater speed and reduced time consumptions.
* Locate any instruments information wanted by the user.
* The system is able to generate calculations, reports automatically.
* Operation such as adding, deleting/ removing, searching, updating customer details, vendor details, product details, shop details, purchase details, sales details can be done efficiently and effectively by proposed system.
* This application contains a secure login wherein only the authorized person can access it.
* Storage and retrieval of data from the database is easier as all the information is stored in a central database.
* In short proposed system is user-friendly.
* **Need Of Systems**
* The main scope of our Music Instrument Shop Management is that, it’s a user-friendly application.
* Secure registration and profile management facilities for customer.
* Easy and Quick access to particular product and services.
* This project is used to give maximum information to the user about product purchased from vendor and product sold to the customer, purchase and sales details etc.
* This project is very convenient for the user as it minimizes the process work as well as the tedious job.
* User can view different categories of product of different brands at a single place.
* Data approach and access made easier and convenient as it provides easy and quick access to particular product and services.
* Time required for accessing any detail will be very less. Hence the system saves time, efforts and cost.
* **Modules Specification**
* Administration Management:

This module is used to login to the software. The admin has to enter the username and password in order to login to the application.

* Product Management:

This module is used to login to the software. The admin has to enter the username and password in order to login to the application.

* Customer Management:

This module contains the details of customer who has purchased the products and details related to it in a systematic way.

* Vendor Management:

This module contains the details of all the vendors from whom the product has been purchased by the shopkeeper.

* Shop Management:

This module contains details of the shop.

* Purchase Details:

It deals with purchase like, shopkeeper purchasing the products from vendor.

* Sales Details:

It deals with sales like, shopkeeper selling the products to customer.

* Report Generation:

This module provides a way for viewing the data of sales.

* **Technology Used**
* Java Technology – Servlet/JSP is used for logic and view purpose.
* For designing HTML/CSS/Bootstrap/JavaScript/jQuery is used.
* For Database MySQL 8.0 version is used.
* **Software Requirements**
* Operating System: Windows 7 and Higher Version.
* Front – End: Java Servlet/JSP, Bootstrap, HTML, JavaScript.
* Back – End: Java
* Server Used: Apache Tomcat
* Database: MySQL.
* Editor: Eclipse IDE
* **Hardware Requirements**
* Processor: Intel i3 10th Generation & above.
* Hard Disk: 25 GB Minimum.
* RAM: 1 GB Minimum.