

Bike Showroom Management System

M. Fizan Khandwani¹, Pratiksha Narwade², Shivangi Kale³, Shubhangi Mapari⁴, Vaishnavi Gawande⁵

Assistant Professor, Department of Information Technology¹

UG Students, Department of Information Technology^{2,3,4,5}

Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra, India

Abstract: *The bike showroom management system is a piece of software created to make running a bike showroom more efficient. This system includes modules for managing employee details, stock information, quotations, and an automatic mailing system in addition to bill calculation. Specific departments are only permitted access to various modules, and only the administrator has access to all of them. Users can compute bills, print them, and view previous bills in the bill calculation module. Users can add new staff details, see all staff details, and delete staff details as necessary using the staff details module. Through the automation of operations and the real-time delivery of correct data, this system seeks to increase the effectiveness and efficiency of managing bike showrooms.*

Keywords: Automobile showroom, Automatic Mail, Bill calculation, Staff details

I. INTRODUCTION

The management of bike showrooms efficiently and properly calls for a strong system because they have long been a crucial component of the automotive industry. The Bike Showroom Management System (BSMS) is an all-inclusive tool for operating a bike showroom that addresses numerous issues. It has modules for stock information, quotations, employee detail administration, bill computation, and an automatic mailing system. exclusively the administrator has access to all of these modules, which are exclusively available to one department.

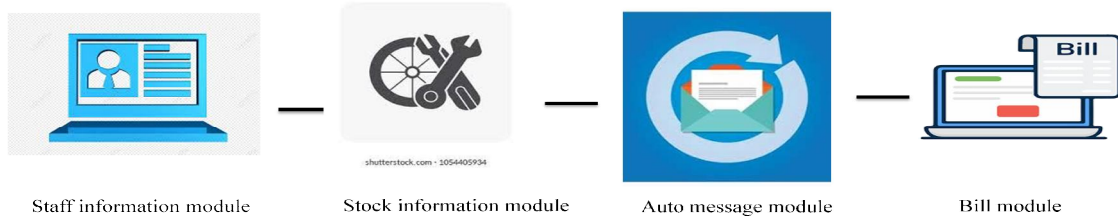
We can compute bills, print our bills, and view previous bills in the bill computation module. We can add new staff details, see all staff details, and delete staff details as necessary using the staff details module. We can monitor the inventory levels of various bike models and their spare parts using the stock information module. The automatic mailing system sends emails to the customers for a variety of reasons, and the quotation module generates quotes for customers. The comprehensive Bike Showroom management system offers a number of modules for handling various aspects of a showroom. The technology seeks to increase security while maximising efficiency and accuracy. Bill computation, which enables users to compute bills, print invoices, and view previous bills, is one of the crucial modules. employee details is a further crucial module that lets users add new employee details, see all staff details, and delete staff details as necessary.

Users are able to monitor the supply of bikes that are accessible in the showroom thanks to the stock information module. Users can examine the current stock, add new stock, and update existing stock using this module. Customers interested in buying bikes can generate quotes with the assistance of the quotation generation module. This module is crucial since it enables the showroom to promote openness and give clients correct information. Another crucial component that enables the showroom to send clients automated emails is the automatic mailing module. Customers can receive promotional emails from this module as well as follow-up and feedback emails. exclusively the administrator has access to all of these modules, which are exclusively available to one department. This guarantees the safety of the system and guards against any unauthorised access.

II. TECHNOLOGY USED

At front end we have used 'HTML' and 'CSS', at the backend we have used 'Sql', with core Java framework. In this we embedded JSP programming tool with frontend technology HTML, CSS to connect it with backend technology

III. FLOW CHART



IV. MODULE

In Bike showroom management system we develop web portal for bike showroom to make their work easy. And improve their work quality. As this portal manage all data virtually data inconsistency and data loss chances get reduce in this web portal there are different module are added to provide more user friendly user interface those module are as follow-

1. Staff Detail – In staff detail module we can manage all detail of staff like their name, contact details, address, email, department. In this we can add new staff information when ever any new employee join showroom and we can delete the record of employee who left the showroom. We can view detail of all available staff at once if required. In this we can update data of employee as required. we can overall say that this module deal with managing details of staff of bike showroom.
2. Stock Detail- Stock detail module developed to manage all information related to stock. In this there is different option are added like add stock delete stock, and view stock. This module is accessible to only workshop employee and admin of showroom. In this module while adding new stock we need to add its total available quantity and their price. This price is access while bill calculation in his extra work of finding its actual price and then calculating total bill amount.
3. Bill Calculation- To calculate total amount Bill calculation module is developed in this we can calculate total price of servicing or any other workshop work also this module is accessible to receptionist so that they can make use of this module to calculate bill of any vehicle. While making this bill we make it by adding all other taxes which will get apply based on their buying capability. in bill calculation module we also added some additional functionality like bill calculation and view bill. With the help of view bill option. Whenever we need to find past bill record employee can easily find it by just clicking on that option this functionality help to reduce extra time to finding record of particular year and then finding particular bill in it manually. This, may take long time and there is chances of data loss many time this come in to picture that as record get older its quality get reduce as in current situation. With the help of this module dat kept in safe place virtually like in database.
4. Quotation- Quotation module is developed to reduce calculation of quotation. Access of this module is given to admin and receptionist only. in this module we can directly find quotation as per requirement
5. Automatic Mailing system- this is one of the main functionality of bike showroom management system with the help of which we can send automatic mail to the customer. Access of this module is restricted to admin receptionist and workshop employee. Through this we also collect customer feedback to know about their review about our bike showroom management system and based on it showroom manager can try to improve their services. One of the advantage of customer feedback is that it help manager to identify the area of service on which he need to focus. Through automatic mail bill can be send to the costumer also when ever their vehicle is on servicing customer automatically get mail as a remainder

V. CONCLUSION

In conclusion, the bike showroom management system is a comprehensive solution for managing various aspects of a showroom, including bill calculation, staff details, stock information, quotation generation, and automatic mailing. The system provides easy access to critical information and helps streamline operations while enhancing efficiency, accuracy, and security. Access to the various modules is restricted to specific departments, and only the admin has

access to all modules, ensuring the safety and confidentiality of the data. Overall, the bike showroom management system is an important tool for managing bike showrooms, and its benefits cannot be overstated.

VI. ACKNOWLEDGMENT

This paper presents a bike showroom management system that offers various modules to manage different aspects of the business. The system includes modules for bill calculation, staff detail management, stock information, quotation generation, and an automatic mailing system. Access to these modules is restricted to a particular department, with only the admin having access to all modules. In the bill calculation module, users can calculate bills, print bills, and view past bills. The staff details module allows for the addition, viewing, and deletion of staff details. The stock information module provides real-time stock updates and alerts for low stock. The quotation generation module allows for the generation of quotations and the tracking of their status. Lastly, the automatic mailing system sends out emails to customers for billing and quotation information. The system offers benefits such as increased efficiency, accuracy, and security.

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