**CAR AUTOMATION SYSTEM**

**ABSTRACT**

For most people a car is a very important purchase. All cars are equally reliable and after material standards matching their class. This makes it easy for consumers to purchase a car without even seeing it. In some places it is not possible to view a car at the showroom before purchase due to non-availability of showroom cars or delays in production. Now, car booking is solely done at the car showroom. Due to space constraints, car showrooms are generally placed at the outskirts of the city and new customers will have to make repeated journeys to complete all the formalities.

The proposed system will allow users to easily purchase cars from delaers on a web-based interface. The car manufacturer will be required to upload all the promotional material for the car such as pictures ,videos etc. All details about features ,specifications and models will be also available. After choosing a car, the user interacts with the dealers who provide best service. Then the user books the car online and door delivery is available. User can easily make decisions on selecting cars by comparing cars.

**USER MODULES**

1. Admin Module

* Admin controls the overall system.

1. Dealer Module

* Dealer can update information about each car and accessories.
* Dealers can perform sale of cars.

1. Customer Module

* Customer can register into the system with their personal information
* Then he/she can book a car, cancel the booking, purchase a car, exchange old cars with new ones and compare cars.

**FUNCTIONALITY MODULES**

1. Car Management

* Adding new cars
* Edit existing cars
* View details of a car
* Listing of all cars

1. Booking

* Add new booking request
* Edit an existing booking request
* View details of booking request
* Listing of all booking requests
* Payment and Billing
* Cancelling a booking request

1. Purchase

* Add new purchase request
* View details of purchase
* Listing of all purchases
* Payment and Billing

1. Sale

* Add new sale item
* View details of sale
* Listing of all sales

1. Service

* Add new service request
* Check type of admission and service
* View service notifications
* View service history
* Cancelling a service request

1. Exchange

* Add new exchange request
* Check type of exchange
* Payment
* Cancelling an exchange request

1. Insurance

* Check type of insurance
* Calculate insurance amount
* View details of insurance plans
* Payment

1. Comparing