# Vehicle Maintenance Management System

## Scope of Database:-

Vehicle Service Management System Project is used to maintain vehicle servicing related details i.e. Customer Details, Vehicle Details and Servicing Status and also Payments. VSMS have Customer Inventory and Vehicle Inventory, this inventory is used to maintain those customers' details whose come regularly for vehicle servicing. Every time their visit no needs to add new Customer Details and Vehicle Details. Payment is done once vehicles servicing status is completed.

The Database for Vehicle Management System: Vehicle Table, Customer Table, Service Table, Payment Table, Dealers, Vehicle Parts, Staff,

## Description/Requirements:

- Vehicle owners can view their vehicle service and maintenance history.
- Service providers can view their all customer records for their branch.
- Service providers can view their all employee records for their branch.
- Service provider can search vehicle based reports.
- Staff management for service provider
- Which payment method customers are most likely to use.
- Which vehicle had required maximum time for service.

## Queries that the database system should be able to answer:

- Retrieve the number of customers who have vehicles such as "Car", "Auto", etc.
- Retrieve staff details for particular service provider
- Retrieve customers owing two wheelers.
- Retrieve number of manufacturers for particular vehicle.
- Retrieve number of times vehicle has come for service.
- Retrieve staff details for service.
- Retrieve the details of free services.
- Retrieve service providers with maximum customer satisfaction.
- Vehicles of which manufacturers required more services than others.
- Retrieve manufacturers who has sold maximum vehicles.
- Retrieve service providers who had done maximum service for particular vehicle.
- Retrieve staff names who had done service till now for particular vehicle.
- Retrieve number of staffs according to service providers.
- Retrieve customer detail who have purchased vehicles after particular years.
- Select list of customers who have not serviced their vehicles yet.
- Retrieve vehicle types who requires maximum services.
- Which customer have paid maximum amount of payment.
- Which service provider had received maximum amount for servicing particular vehicle.
- Which payment method customers are most likely to use.

- Retrieve which vehicle model requires least maintenance than other vehicle models for particular vehicle type.
- List all the customers who had given feedback for all services.
- List all staff name who had serviced all vehicles.