

## PROJECT REPORT TEMPLATE

### VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

## 1 INTRODUCTION

### 1.1 Overview

A Vehicle Management system is a software system or platform that serves to manage commercial fleets of vehicles such as cars, vans or trucks or even heavy equipment to ensure they are utilized safely, efficiently and professionally, while making sure they are well maintained and high performing.

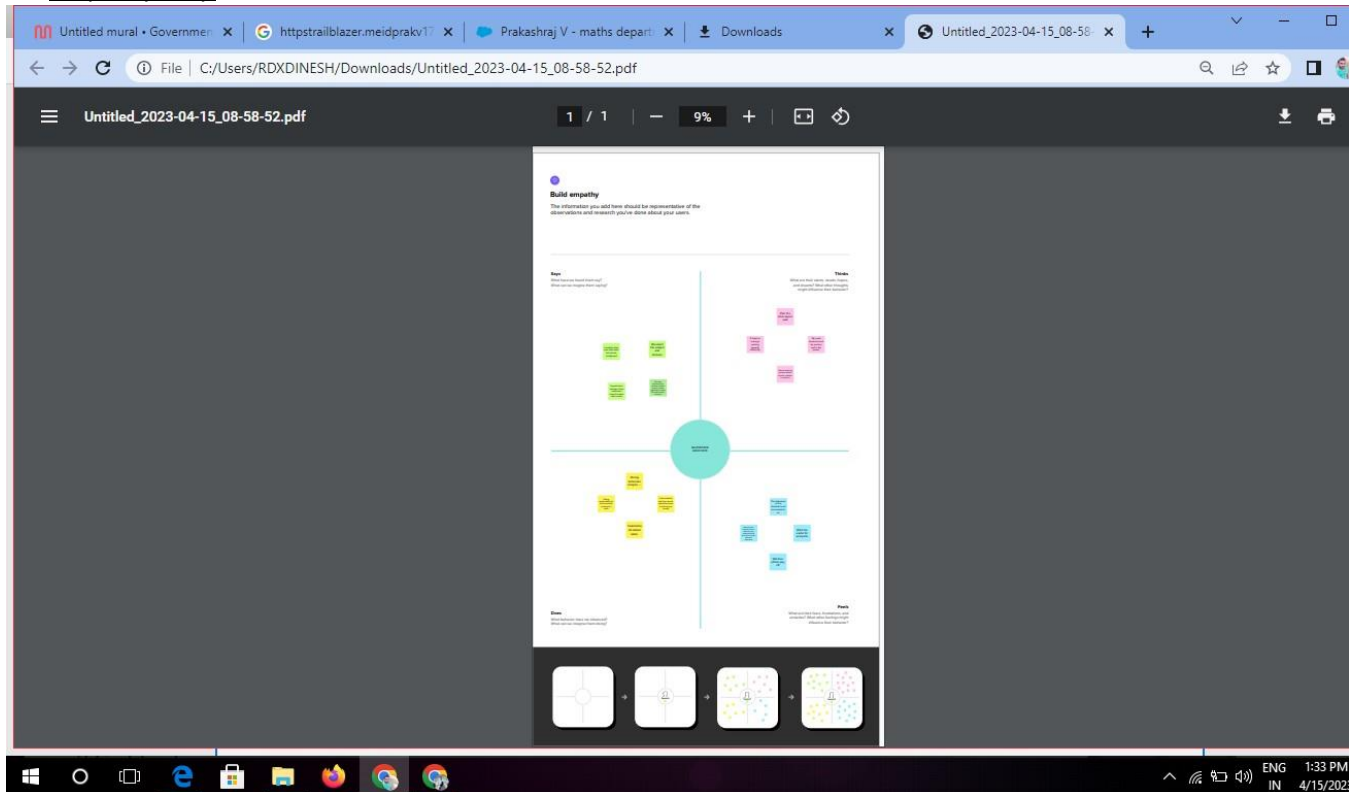
### 1.2 Purpose

Depending on the type of vehicle management system

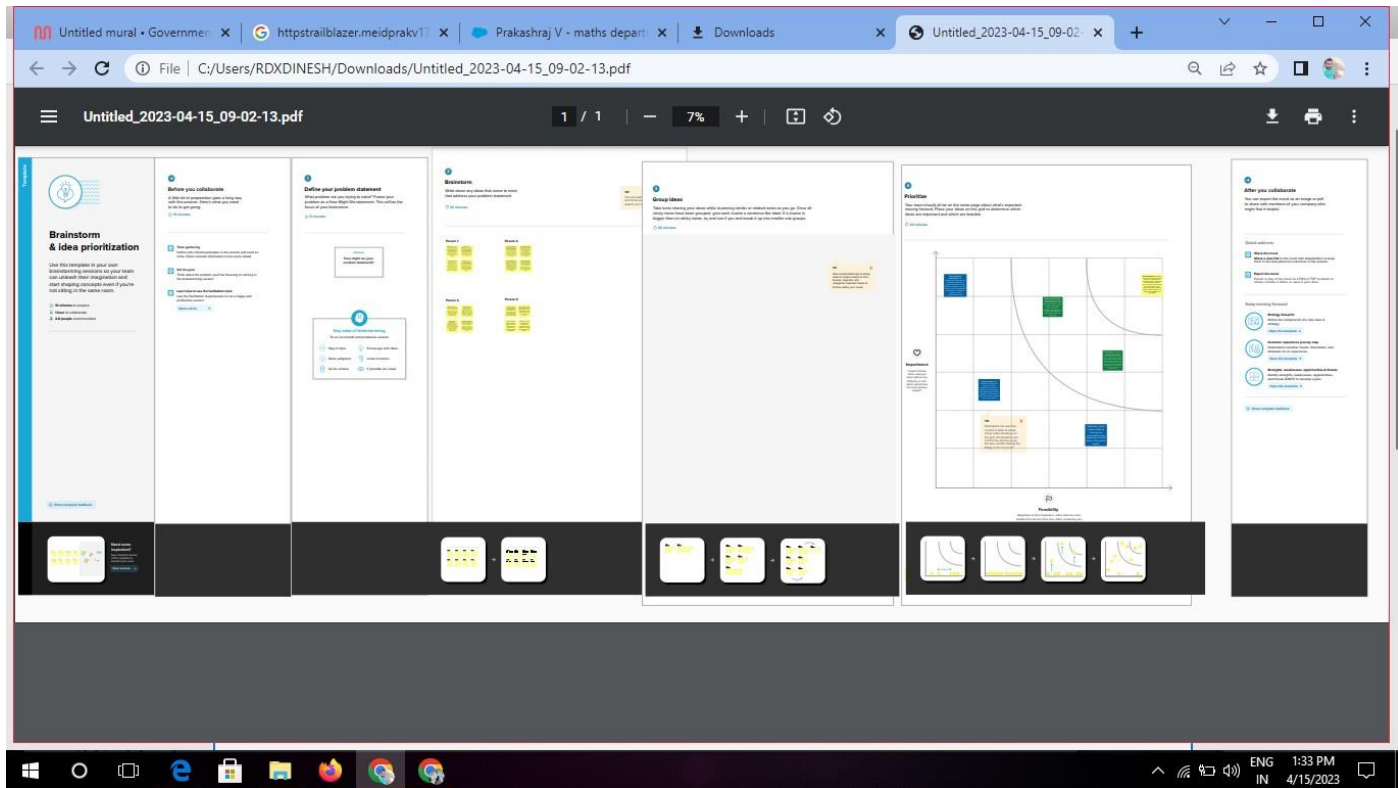
- ❖ Improve fleet safety and working conditions
- ❖ Improve the behavior and performance of drivers and beat unsafe driving
- ❖ Schedule shifts and work hours
- ❖ Manage fuel efficiency
- ❖ Track vehicles, assets or professional equipment

## 2 Problem Definition & Design Thinking

### 2.1 Empathy Map



## 2.2 IDEATION & BRAINSTORMING MAP



## 3 RESULT

### 3.1 DATA MODEL:

OBJECT NAME	FIELDS IN THE OBJECT		
OBJECT 1			
	S.NO	FIELD LABEL	DATA TYPE
	1	customer name	Text
	2	Customer mobile no	Number
	3	Vehicle type i)2wheeler ii)4wheeler	Picklist

	4	2wheeler i)HERO ii)HONDA iii)BAJAJ iv) ROYAL ENFIELD v)TVS vi) KINECTIC vii) OLA viii)JAWA ix)SD x)BATTERY	Picklist
	5	4wheeler i)RENAULT ii)SKODA iii)HONDA iv)HYUNDAI v)SUZUKI vi)MAHINDRA vii)VOLKSWAGEN viii)BENZ ix)AUDI x)VOLVO	Picklist
	6	Vehicle name	Text
	7	Vehicle no	Text
	8	Chassic no	Text
	9	Colour	Text
	10	Body Type	Text
	11	Vehicle Includes i)FIRE EXTENUATION ii)FIRST AID KIT iii)MULTI CHARGER KIT iv)STEPNEY v)STEREO vi)TOOL KIT vii)TRACKING DEVICE viii)TYRE JACK	Multi Picklist
	12	Condition i)Good ii)Medium iii)Least	Picklist
	13	Mileage	Text
	14	Seats	Number
	15	Start Date	Date/Time
	16	End Date	Date/Time
	17	Opportunity	Lookup(opportunities)

OBJECT 2			
		S.NO	FIELD NAME
		1	Driver name
		2	License no
		3	Mobile no
		4	Fair per hour
		5	Vehicle
			DATA TYPE
			Text
			Text
			Number
			Text
			Lookup(Vehicle)

### 3.2 ACTIVITY & SCREENSHOT

This screenshot shows the Salesforce Object Manager setup page for the 'Vehicle' object. The browser address bar displays the URL: `thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003o2gQ/Details/view`. The page header includes the Salesforce logo, a search bar, and navigation tabs for Setup, Home, and Object Manager. The left sidebar lists various configuration options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, and Record Types. The main content area, titled 'Details', contains the following configuration:

Field	Value
Description	
API Name	Vehicle__c
Custom	✓
Singular Label	Vehicle
Plural Label	Vehicles
Enable Reports	✓
Track Activities	
Track Field History	
Deployment Status	Deployed
Help Settings	

At the bottom right of the details section, there is a message: 'Activate Windows. Standard salesforce.com Help Windows to Settings to activate Windows.'

This screenshot shows the Salesforce Object Manager setup page for the 'Driver' object. The browser address bar displays the URL: `thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003o3sK/Details/view`. The page layout is identical to the one above, with the left sidebar and the main 'Details' configuration area. The configuration for the 'Driver' object is as follows:

Field	Value
Description	
API Name	Driver__c
Custom	✓
Singular Label	Driver
Plural Label	Drivers
Enable Reports	✓
Track Activities	
Track Field History	
Deployment Status	Deployed
Help Settings	

Similar to the first screenshot, a message at the bottom right reads: 'Activate Windows. Standard salesforce.com Help Windows to Settings to activate Windows.'

Vehicle | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003o2gQ/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Vehicle

Details

Fields & Relationships

22 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
2 WHEELERS	X2_WHEELERS__c	Picklist	Vehicle Type	
4 WHEELERS	X4_WHEELERS__c	Picklist	Vehicle Type	
Body Type	Body_Type__c	Text(255)		
Chassic No	Chassic_No__c	Text(255)		
Colour	Colour__c	Text(255)		

Activate Windows  
Go to Settings to activate Windows.

Vehicle | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003o2gQ/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Vehicle

Details

Fields & Relationships

22 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

Colour	Colour__c	Text(255)		
Condition	Condition__c	Picklist		
Created By	CreatedById	Lookup(User)		
Customer Mobile No	Customer_Mobile_No__c	Number(18, 0)		
Customer Name	Customer_Name__c	Text(255)		
End Date	End_Date__c	Date/Time		
Last Modified By	LastModifiedById	Lookup(User)		

Activate Windows  
Go to Settings to activate Windows.

Vehicle | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003o2gQ/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Vehicle**

Details

**Fields & Relationships**  
22 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

Last Modified By	LastModifiedById	Lookup(User)	
Mileage	Mileage__c	Text(255)	
Opportunity	Opportunity__c	Lookup(Opportunity)	✓
Owner	OwnerId	Lookup(User.Group)	✓
Seats	Seats__c	Number(18, 0)	
Start Date	Start_Date__c	Date/Time	

Activate Windows  
Go to Settings to activate Windows.

Vehicle | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003o2gQ/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Vehicle**

Details

**Fields & Relationships**  
22 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

Vehicle	Vehicle__c	Number(18, 0)	
Vehicle Includes	Vehicle_Includes__c	Picklist (Multi-Select)	
Vehicle Name	Vehicle_Name__c	Text(255)	
Vehicle Name	Name	Text(80)	✓
Vehicle No	Vehicle_No__c	Text(255)	
Vehicle Type	Vehicle_Type__c	Picklist	

Activate Windows  
Go to Settings to activate Windows.

Driver | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003o3sK/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Driver**

Details

**Fields & Relationships**  
9 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Driver Name	Driver_Name__c	Text(255)		
Driver Name	Name	Text(80)		✓
Fair Per Hour	Fair_Per_Hour__c	Text(255)		
Last Modified By	LastModifiedById	Lookup(User)		
License No	License_No__c	Text(255)		

Activate Windows  
Go to Settings to activate Windows

Driver | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003o3sK/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Driver**

Details

**Fields & Relationships**  
9 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

Fair Per Hour	Fair_Per_Hour__c	Text(255)		
Last Modified By	LastModifiedById	Lookup(User)		
License No	License_No__c	Text(255)		
Mobile No	Mobile_No__c	Number(18, 0)		
Owner	OwnerId	Lookup(User,Group)		✓
Vehicle	Vehicle__c	Lookup(Vehicle)		

Activate Windows  
Go to Settings to activate Windows



Vehicle | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w000003o2gQ/FieldsAndRelationships/viewDependencyList

Gmail YouTube Maps Meet - sgz-pbbm...

Search Setup

Setup Home Object Manager

Vehicle

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Vehicle Field Dependencies

Help for this Page

This page allows you to define dependencies between fields (e.g., dependent picklists).

Field Dependencies

New

Action	Controlling Field	Dependent Field	Modified By
<a href="#">Edit</a>   <a href="#">Del</a>	Vehicle Type	2 WHEELERS	<a href="#">KARTHIKA C.</a> 24/03/2023, 6:50 pm
<a href="#">Edit</a>   <a href="#">Del</a>	Vehicle Type	4 WHEELERS	<a href="#">KARTHIKA C.</a> 24/03/2023, 7:05 pm

Activate Windows  
Go to Settings to activate Windows.

Type here to search

34°C Mostly sunny 4:34 PM 4/11/2023

Recently Viewed | Accounts | Sales

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/o/Account/list?filterName=Recent

Gmail YouTube Maps Meet - sgz-pbbm...

Search...

Vehicle Management Accounts Contacts Opportunities Reports Dashboards

Accounts

Recently Viewed

New Import

0 items • Updated a few seconds ago

Search this list...

Account Name Account Site Phone Account Owner Alias

You haven't viewed any Accounts recently.  
Try switching list views.

Activate Windows  
Go to Settings to activate Windows.

Type here to search

34°C Mostly sunny 4:38 PM 4/11/2023

Profiles | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/page?address=%2F00e2w000005KL1p

Search Setup

Setup Home Object Manager

PROFILE

Users

Profiles

Didn't find what you're looking for? Try using Global Search.

## Profiles

Profile: Standard User

Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information. If your organization uses Record Types, use the Edit links in the Record Type Settings section below to make one or more record types available to users with this profile.

Login IP Ranges (0) | Enabled Apex Class Access (0) | Enabled Visualforce Page Access (0) | Enabled External Data Source Access (0) | Enabled Named Credential Access (0) | Enabled Custom Metadata Type Access (0) | Enabled Custom Setting Definitions Access (0) | Enabled Flow Access (0) | Enabled Service Presence Status Access (0) | Enabled Custom Permissions (0)

### Profile Detail

Name	Standard User	Custom Profile	<input type="checkbox"/>
User License	Salesforce	Modified By	KARTHIKA C, 22/03/2023, 8:31 pm
Created By	KARTHIKA C, 10/03/2023, 12:55 pm		

### Page Layouts

Standard Object Layouts

Activate Windows  
Go to Settings to activate Windows.

Type here to search

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ENG IN 4:41 PM 4/11/2023

Roles | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/Roles/home

Search Setup

Setup Home Object Manager

ROLES

Users

Roles

Feature Settings

- Sales
  - Contact Roles on Contracts
  - Contact Roles on Opportunities
- Service
  - Case Teams
    - Case Team Roles
  - Contact Roles on Cases

Didn't find what you're looking for? Try using Global Search.

## Roles

### Creating the Role Hierarchy

You can build on the existing role hierarchy shown on this page. To insert a new role, click **Add Role**.

Collapsible All Expand All

THIRUVALLUVAR GOVERNMENT ARTS COLLEGE

- Add Role
- CEO Edit | Del | Assign
  - Add Role
  - CFO Edit | Del | Assign
    - Add Role
    - COO Edit | Del | Assign
      - Add Role
      - Operator 1 Edit | Del | Assign
        - Add Role
        - Operator 2 Edit | Del | Assign
          - Add Role
          - SVP, Customer Service & Support Edit | Del | Assign

Activate Windows  
Go to Settings to activate Windows.

Type here to search

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Roles | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/Roles/home

Search Setup

Setup Home Object Manager

ROLES

Users

Roles

Feature Settings

Sales

Contact Roles on Contracts

Contact Roles on Opportunities

Service

Case Teams

Case Team Roles

Contact Roles on Cases

Didn't find what you're looking for? Try using Global Search.

SETUP Roles

Add Role

VP\_Marketing Edit Del Assign

Add Role

Marketing\_Team Edit Del Assign

Add Role

VP\_North American Sales Edit Del Assign

Add Role

Director\_Channel Sales Edit Del Assign

Add Role

Channel Sales\_Team Edit Del Assign

Add Role

Director\_Direct Sales Edit Del Assign

Add Role

Eastern Sales\_Team Edit Del Assign

Add Role

Western Sales\_Team Edit Del Assign

Add Role

Vehicle\_Manager Edit Del Assign

Activate Windows

Go to Settings to activate Windows.

5 new notifications

Type here to search

34°C Mostly sunny

ENG IN

4:43 PM

4/11/2023

Users | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/setup/ManageUsers/home

Search Setup

Setup Home Object Manager

user

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

User Management Settings

Users

Feature Settings

Data.com

Prospector Users

User Interface

SETUP Users

View: All Users Edit Create New View

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

New User Reset Password(s) Add Multiple Users

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	C_KARTHIKA	KC	karthikac@t9ac.com		✓	System Administrator
<input type="checkbox"/> Edit	C_KARTHIKA	kc	karthikac@gmail.com	Vehicle Manager	✓	Vehicle Manager
<input type="checkbox"/> Edit	C_KARTHIKA	kc	apqalesus@gmail.com	Operator 1	✓	Standard Platform User
<input type="checkbox"/> Edit	C_KARTHIKA	kc	blessingkar2003@gmail.com	Operator 2	✓	Standard Platform User
<input type="checkbox"/> Edit	Chatter Expert	Chatter	chatv.00d2w00000rjwhmeal.cwfw991953zt@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	User Integration	integ	integration@00d2w00000rjwhmeal.com		✓	Analytics Cloud Integration User
<input type="checkbox"/> Edit	User Security	sec	insightssecurity@00d2w00000rjwhmeal.com		✓	Analytics Cloud Security User

New User Reset Password(s) Add Multiple Users

Activate Windows

Go to Settings to activate Windows.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Type here to search

34°C Mostly sunny

ENG IN

4:44 PM

4/11/2023

Reports | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/o/Report/home?queryScope=mru

Gmail YouTube Maps Meet - sgz-pbbm...

Search...

Vehicle Management Accounts Contacts Opportunities Reports Dashboards

Reports

Recent

1 item

Search recent reports...

New Report New Folder

REPORTS

Recent

Created by Me

Private Reports

Public Reports

All Reports

FOLDERS

All Folders

Created by Me

Shared with Me

Report Name	Description	Folder	Created By	Created On	Subscribed
Vehicle and Customer Number	Vehicle and Customer Details	Private Reports	KARTHIKA C	28/3/2023, 8:09 pm	

Activate Windows  
Go to Settings to activate Windows.

Type here to search

34°C Mostly sunny

4:45 PM 4/11/2023

Dashboards | Salesforce

thiruvalluvargovernmentart7-dev-ed.develop.lightning.force.com/lightning/o/Dashboard/home?queryScope=mru

Gmail YouTube Maps Meet - sgz-pbbm...

Search...

Vehicle Management Accounts Contacts Opportunities Reports Dashboards

Dashboards

Recent

1 item

Search recent dashboards...

New Dashboard New Folder

DASHBOARDS

Recent

Created by Me

Private Dashboards

All Dashboards

FOLDERS

All Folders

Created by Me

Shared with Me

FAVORITES

Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Vehicle and Customer Details	Vehicle and Customer Details	Private Dashboards	KARTHIKA C	28/3/2023, 8:11 pm	

Activate Windows  
Go to Settings to activate Windows.

Type here to search

34°C Mostly sunny

4:45 PM 4/11/2023

#### **4 TRAILHEAD PROFILE PUBLIC URL**

Team Lead - <https://trailblazer.me/id/sdharan29>

Team Member 1- <https://trailblazer.me/id/ust8a>

Team Member 2- <http://trailblazer.me/id/upraveenkumars>

Team Member 3- <http://trailblazer.me/id/msamy25>

#### **5 ADVANTAGES**

- ❖ Easy to manage and cost-effective.
- ❖ Because of that there is no towing problems
- ❖ No human employee is required

#### **DISADVANTAGE**

- ❖ Vehicles stand does not specified current location in the parking fields

#### **6 APPLICATIONS**

The applications of Vehicle Management are

1. Market place
2. Colleges/Schools
3. Enterprises and Institutions
4. Hospital
5. Factory and Bank, etc

#### **7 CONCLUSION**

1. Use this project for industrial purposes in a wide range
2. Low cost
3. The accuracy of this project may be improved by adding some features.

## **8 FUTURE SCOPE**

1. In the modern age, many people have vehicles. vehicle is now a basic need.
2. Every place is under the process of urbanization. There are many corporate offices and shopping centers etc.
3. There are many recreational place where people used to go for refreshment. So, all these places need parking space where people can park their vehicles safely and easily.
4. Every parking area needs a system that records the detail of vehicles to give the facility.
5. These systems might be computerized or non- computerized.
6. With the help of computerized system we can deliver a good service to customer who wants to park their vehicle into the any organization's premises.