VEHICLE MANAGEMENT SYSTEM USING SALESFORCE

1.1 OVERVIEW

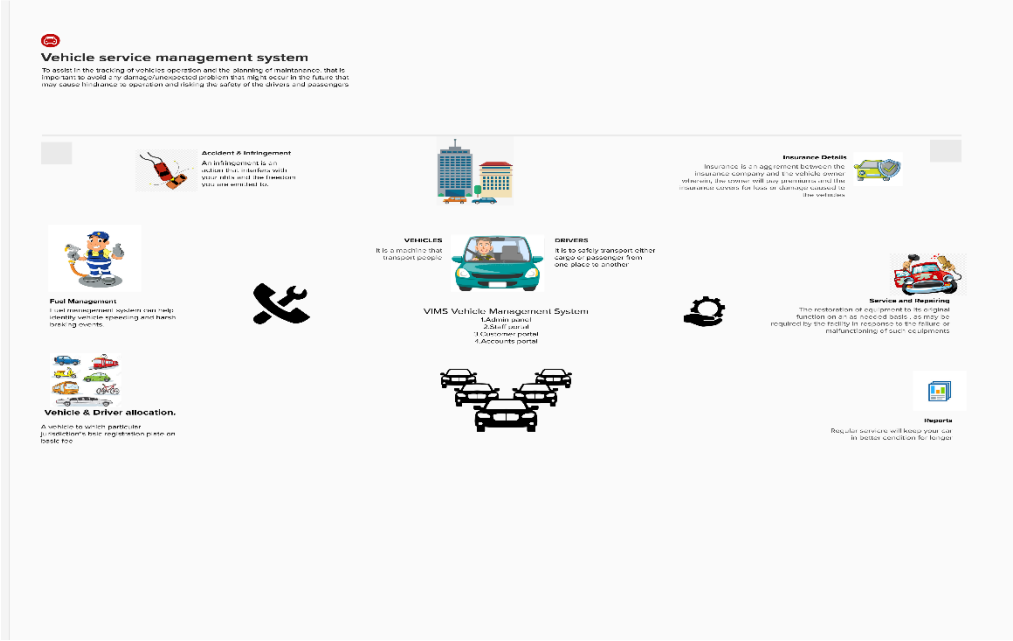
Vehicle service management system allows providing vehicles for service. If customer got any problem with his vehicle they are providing services. In brief, all this information will be readily available to the fleet manager, per vehicle. A historical report of all includes throughout a multiple defect and malfunctioning on the vehicle. 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're utilized safely, efficiently and professionally, while making sure they're well maintained and high-performing.

1.2 PURPOSE

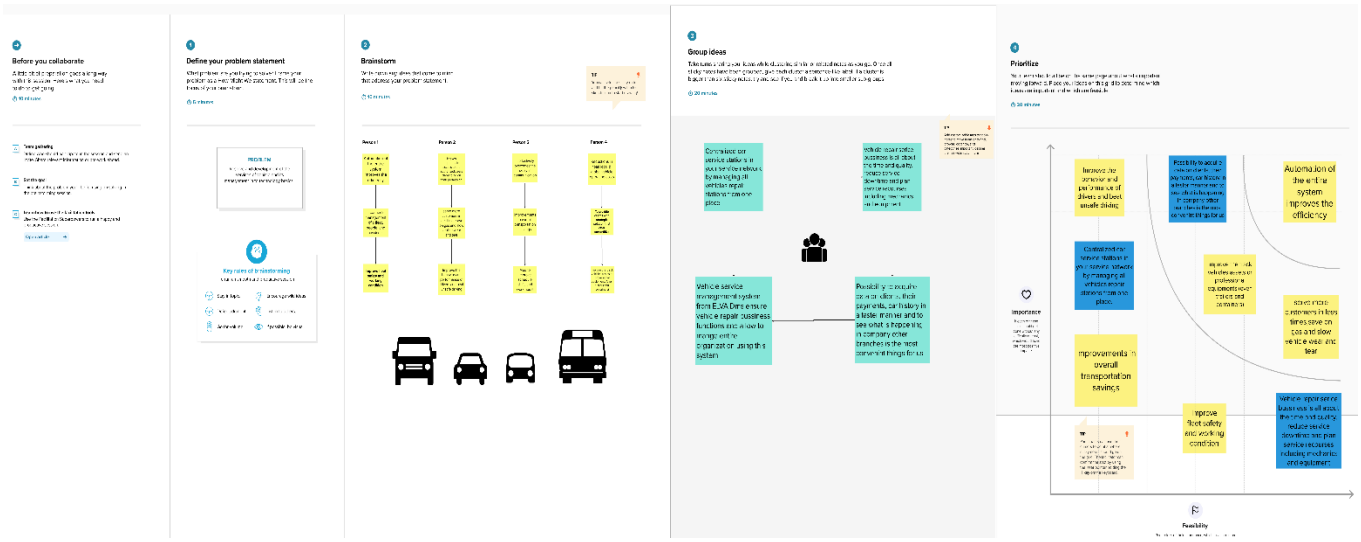
- **Improve fleet safety and working conditions.**
- **Improve the behavior and performance of drivers and beat unsafe driving.**
- **Schedule shifts and work hours.**
- **Leverage driver retention.**

- **Track vehicles, assets or professional equipment (even trailers and containers)**
- **Schedule routine maintenance.**
- **Manage fuel efficiency.**

2.1 Empathy Map



2.2 Ideation & Brainstorming map



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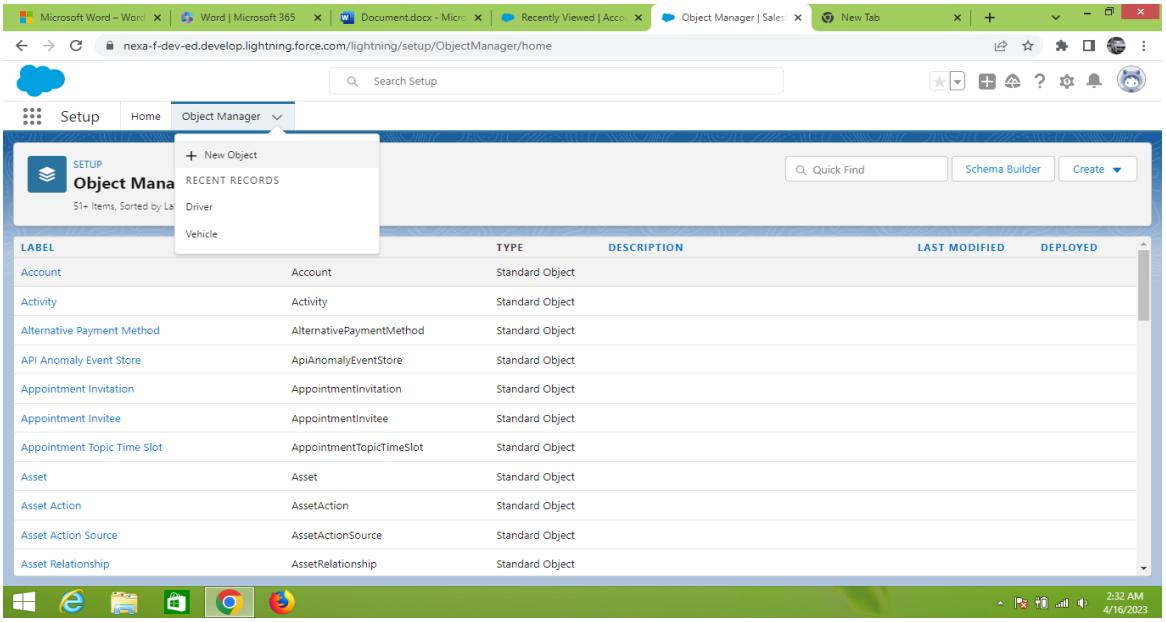
Object Name [VEHICLE]	Field Label	Data Type
1	Customer Name	Text
2	Customer Mobile No	Number
3	Vehicle type 1)2 Wheeler 2)4 Wheeler	Picklist
4	2WHEELERS 1) HERO 2) HONDA 3) BAJAJ 4) ROYALENFIELD 5) TVS 6) KINETIC 7) OLA 8) JAWA 9) SD 10) BATTERY	Picklist
5	4 WHEELERS 1) RENAULT 2) SKODA	

	3) HONDA 4) HYUNDAI 5) SUZUKI 6) MAHINDRA 7) VOLKSWAGEN 8) BENZ 9) AUDI 10) VOLVO	Picklist
6	Vehicle Name	Text
7	Vehicle No	Text
8	Chassis No	Text
9	Colour	Text
10	Body Type	Text
11	Vehicle Includes 1) Fire Extenuation 2) First aid kit 3) Multi charger kit 4) Stepney 5) Stereo 6) Tool kit 7) trackling devices 8) Tyre jack	Multi Picklist
12	Condition 1) Good 2) Medium 3) Least	Picklist
13	Mileage	Text
14	Seats	Number
15	Start Date	Date/Time
16	End Date	Date/Time
17	Oppurtunity	Lookup(oppurtunities)

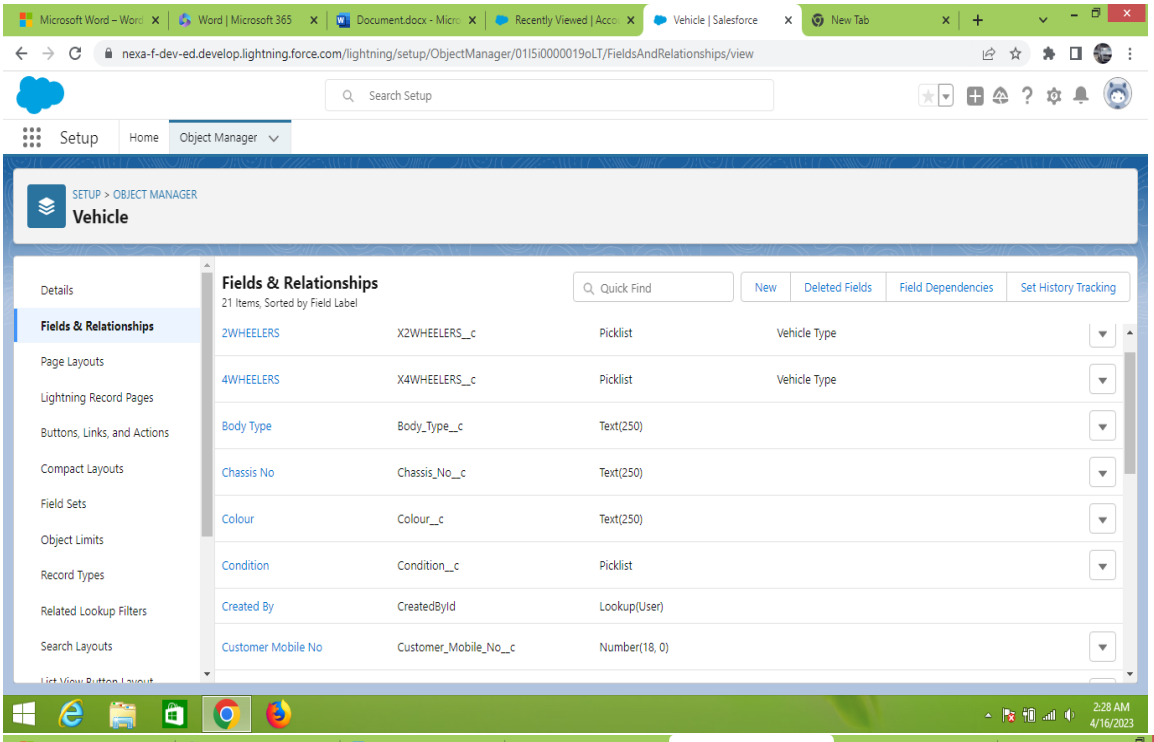
Object Name [DRIVER]	Field Label	Data type
1	Driver Name	Text
2	Licence No	Text
3	Mobile No	Number
4	Fair Per Hour	Text
5	Vehicle	Lookup (Vehicle)

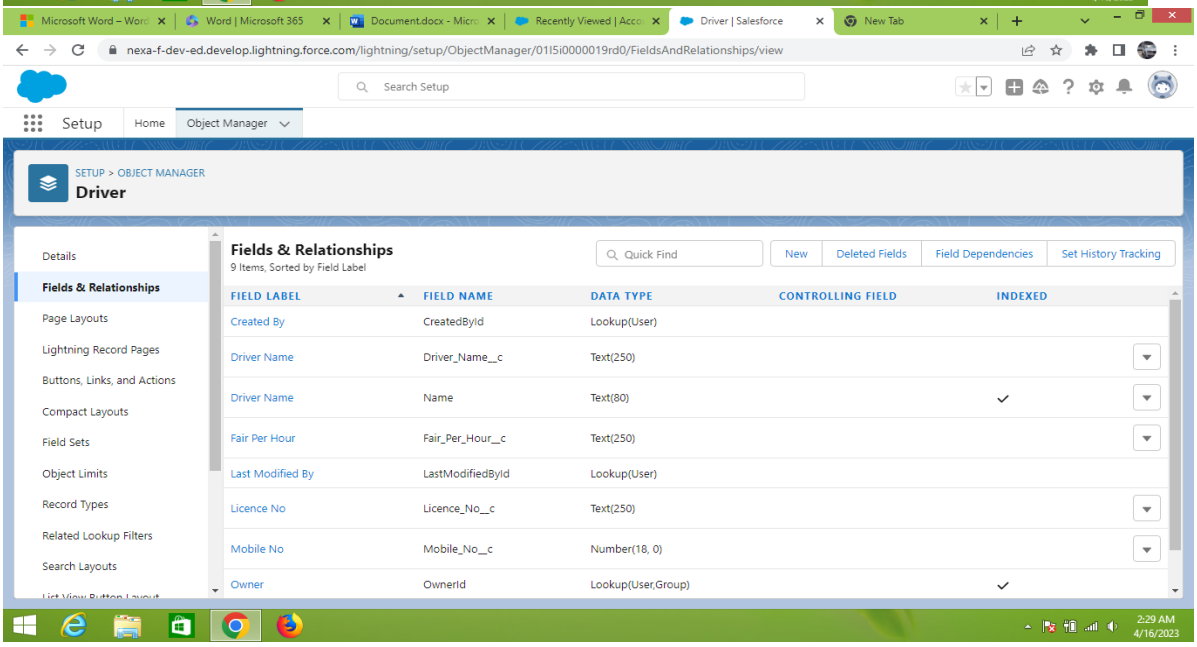
3.2 Activity & Screenshot

Object

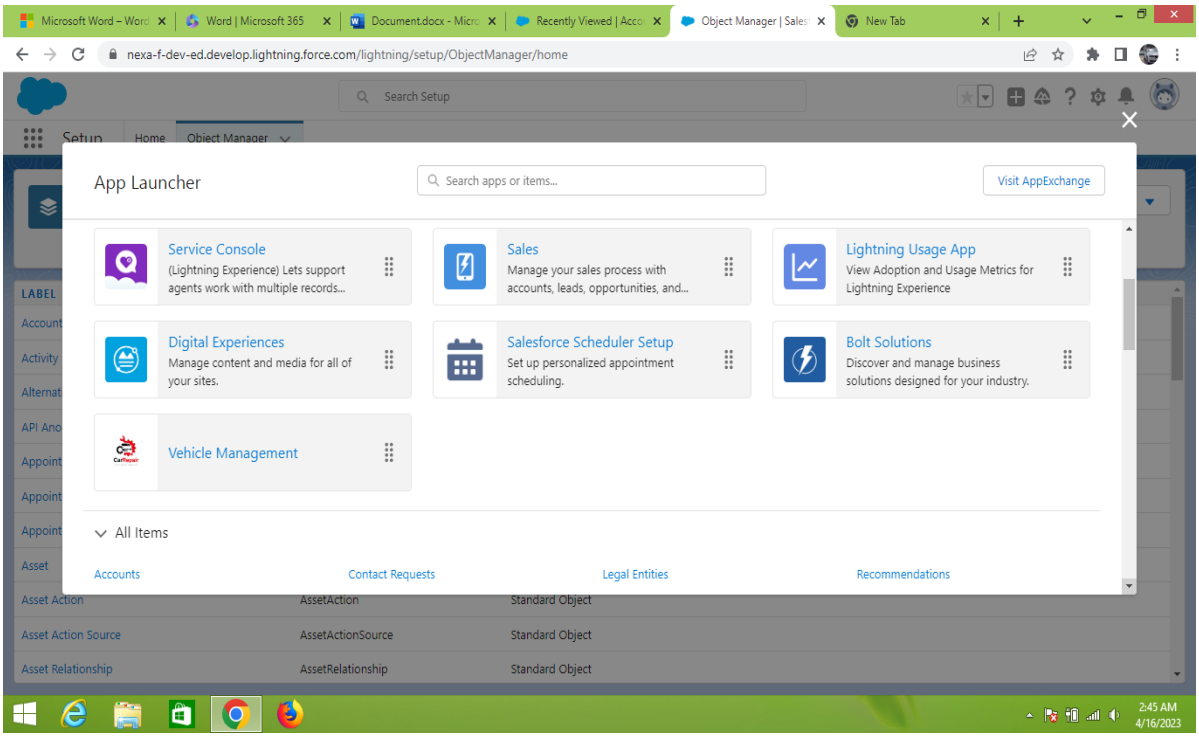


Fields

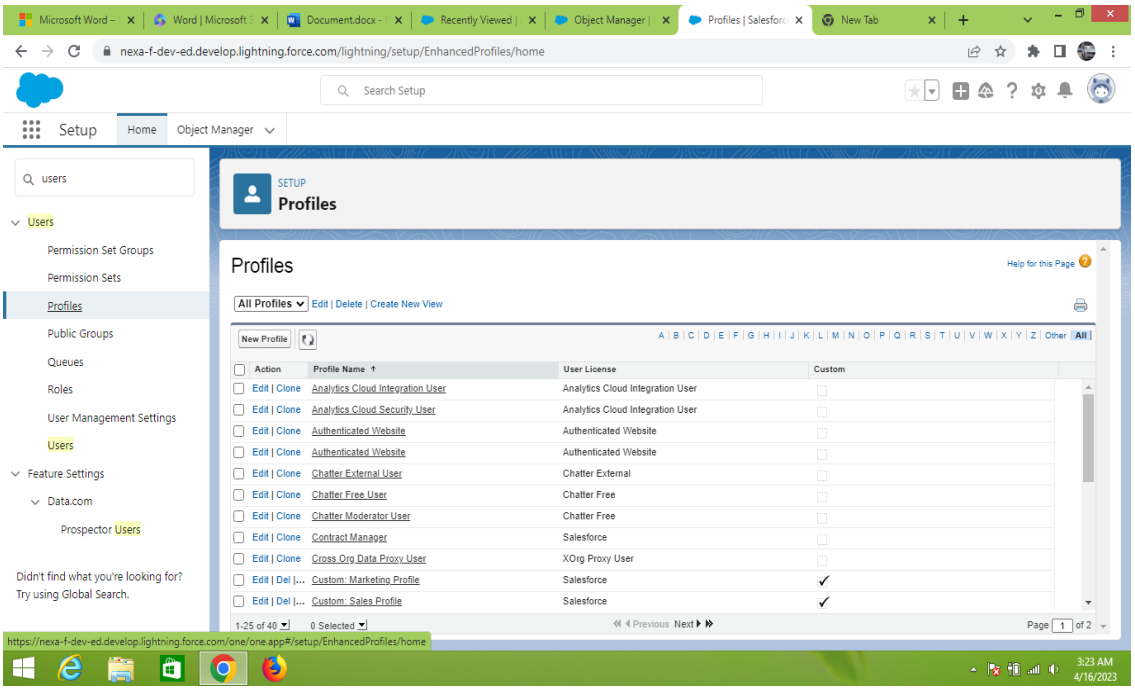




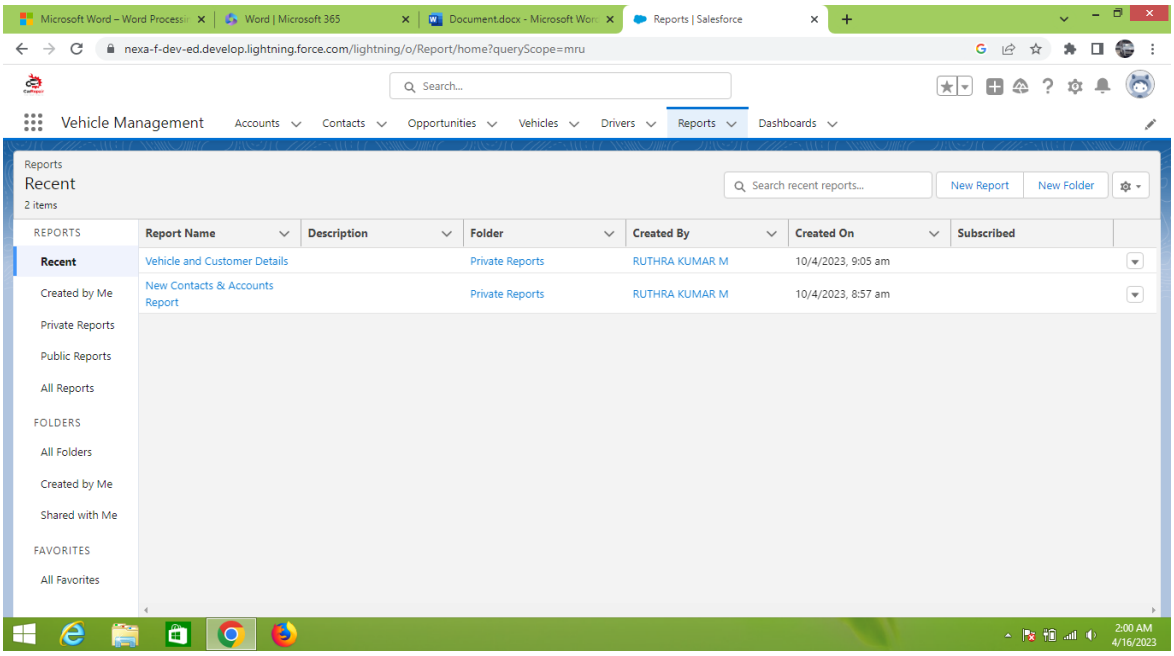
Lightning App



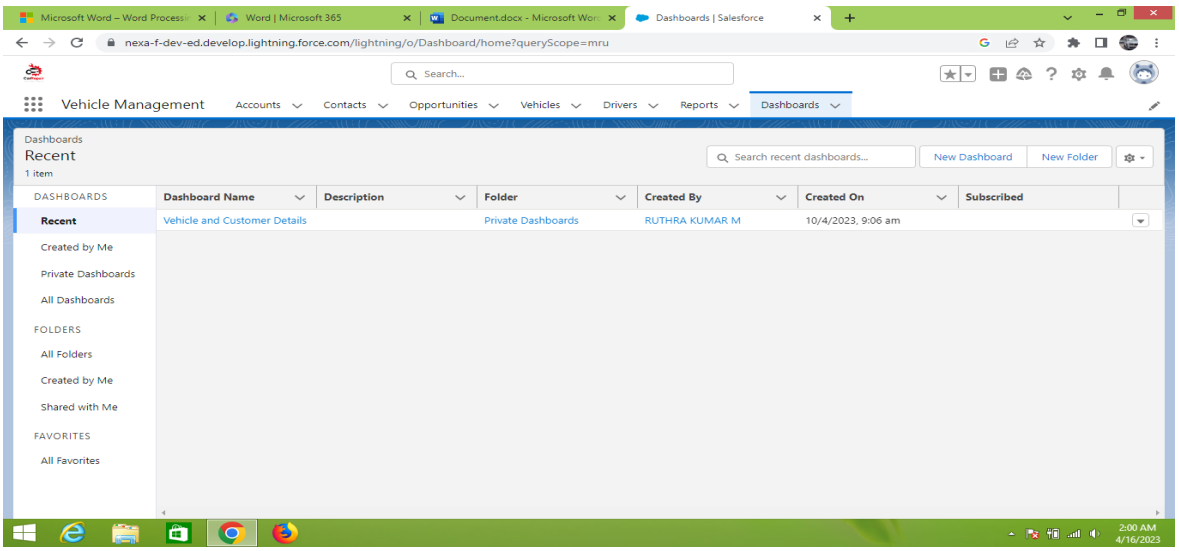
Profile



Reports



Dashboard



4. Trailhead Profile Public URL

Team Lead – https://trailblazer.me/id/ruthrasiva2002

Team Member 1 – https://trailblazer.me/id/mugeshthiruvasagan

Team Member 2 - https://trailblazer.me/id/suriyapra

Team Member 3 - https://trailblazer.me/id/santhosh9626

5. ADVANTAGES & DISADVANTAGES

- **Duplication of the vehicle data is avoided**
- **As vehicle number is already stored in the master therefore human mistakes can be avoided**
- **Timely alerts ensure that penalties are avoided**
- **Tax deduction and insurance benefits**
- **Reduced maintenance and labour costs**
- **Improved life spans of vehicle and equipments**
- **Improved fuel efficiency**

APPLICATION

A vehicle management sysem can prove useful to nearly any business that uses a fleet. This includes, but is not limited to:

- **Contactors**
- **Delivery fleets (last mile delivery)**
- **Supply chain / perishable goods fleets (cargo)**
- **Taxis, Limos and VIP vehicles**
- **Facility trucks**
- **All lights duty vehicles**
- **Heavy duty vehicles and mining equipments**

- Shipping containers / maritime transport
- Hearses
- Backhauling fleets

CONCLUSION

Our project is only a humble venture to statisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enables the manager to make reasonable etimates made within a limited time frame at the beginning of the software project and should be updated regularly as the progresses

FUTURE SCOPE

It can be summarized that the future scope of the project circles around maintaining information regarding

- We can add printer in future

- We can give more advance software for vehicle management system including more facilities
- We will host the platform on online servers to make it accesible worldwide
- Integrate multiple load balance to distribute the loads of the system

The above mentioned points are the enhancements which can be done to increase the applicability and usuage of this project. Here we can maintain the record of vehicle and driver. Also, as it can seen that now a days the player are versatile, I.e. so ther is a scope for introducing a method to maintain all the vehicle, driver,insurance, maintanance, fuel. We hope that the project will serve its purpose for which it is develop ther by underlining success of process.