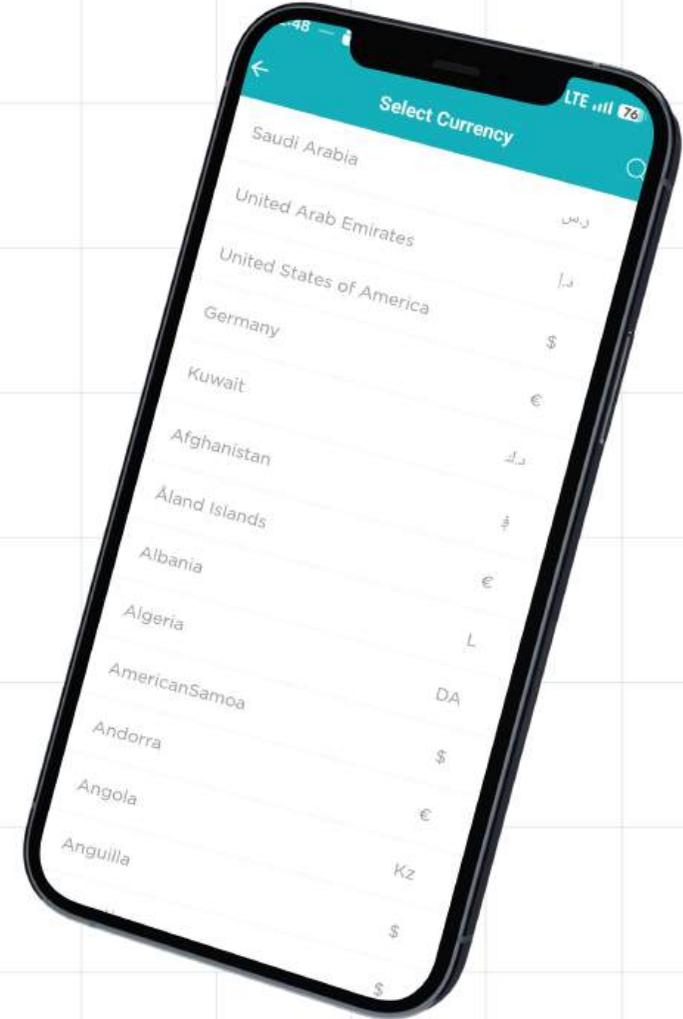
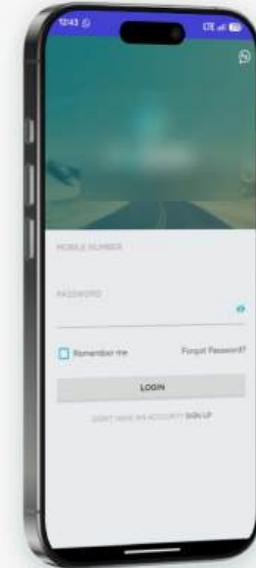
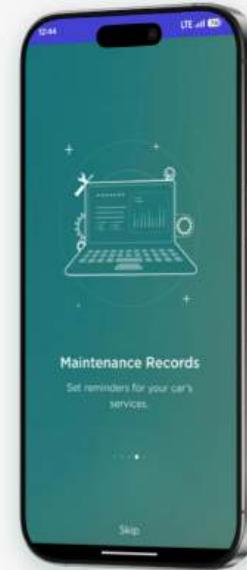


# Car Management Mobile App



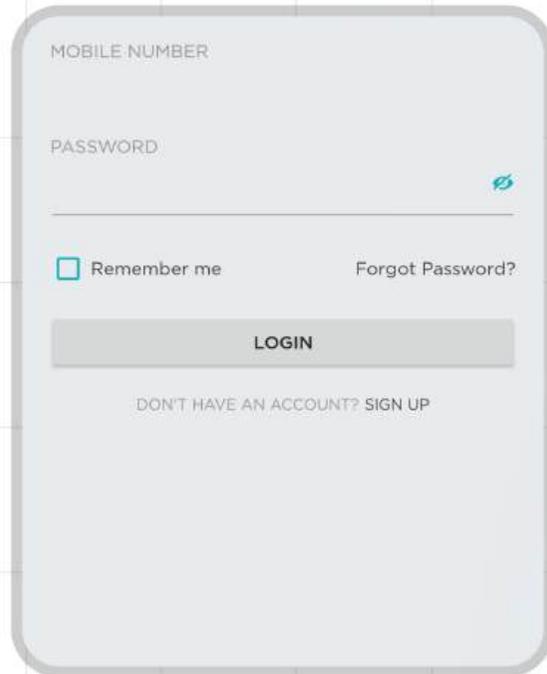
# Introduction

This Application, developed for Android, OS, and web platforms, offers users comprehensive car-related features such as tire pressure management, crash reporting, integrated navigation, and infotainment. Notably, the project incorporates BLE (Bluetooth Low Energy) technology through OBDII, enhancing the user experience by wirelessly connecting to the car's OBD port and providing real-time updates on engine performance. The inclusion of BLE ensures efficient communication and data retrieval for a seamless and connected driving experience.



# High Level Features

- ✓ Tire Pressure Management
- ✓ Crash Reporting with cloud computing and geo reporting.
- ✓ Integrated Navigation with the fuel quantity in the car.
- ✓ Infotainment, route drawing and location sharing.
- ✓ Bluetooth Low Energy (BLE) Technology
- ✓ IoT Connectivity



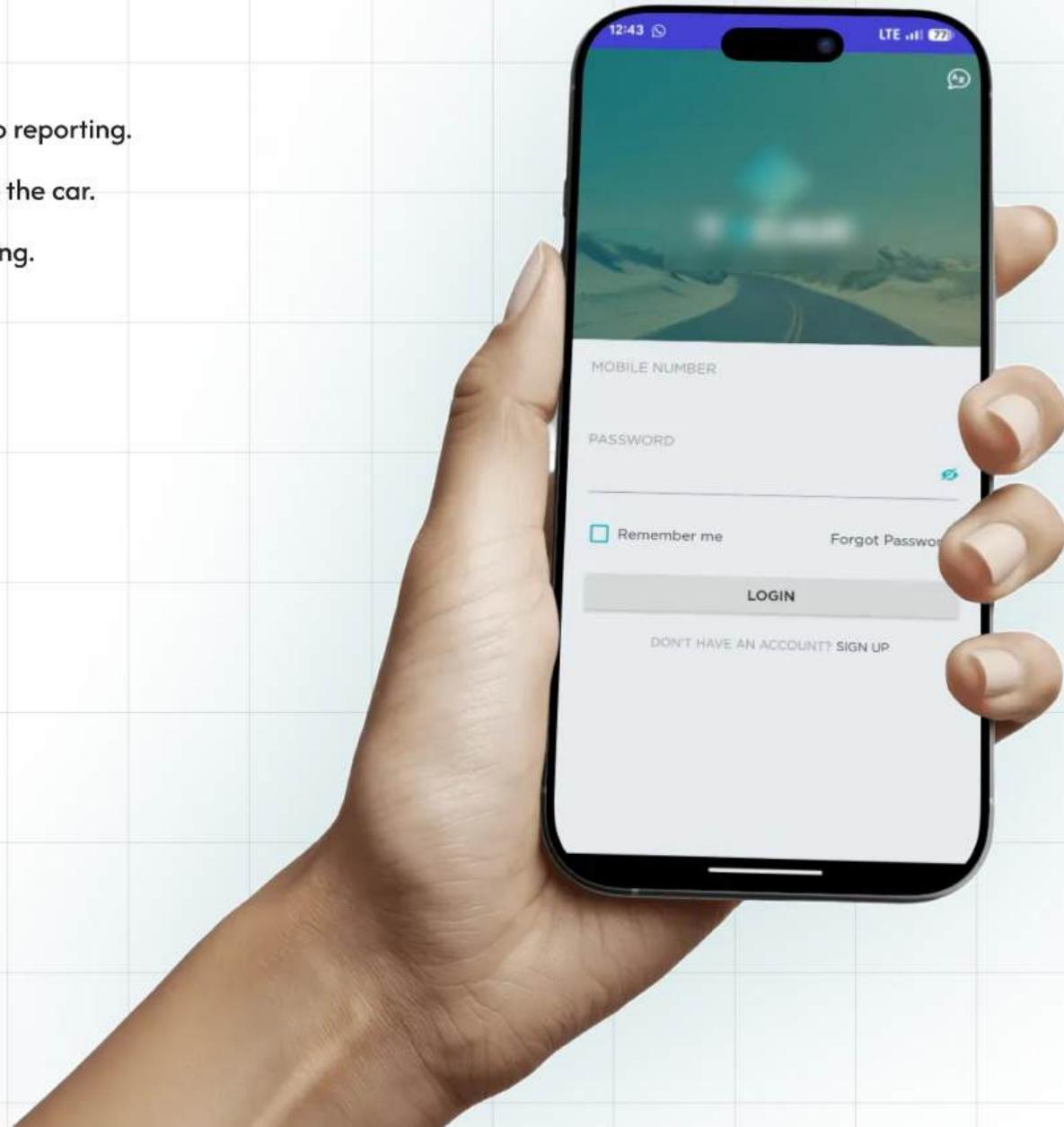
MOBILE NUMBER

PASSWORD

Remember me [Forgot Password?](#)

LOGIN

DON'T HAVE AN ACCOUNT? SIGN UP



## Functionalities In Detail

- ✓ Creation of Account along with User Verification and Vehicle Detailings.
- ✓ Login /Authentication
- ✓ OBD (Onboard Diagnostics) - For getting the details of engine performance user needs to plugin OBDII Into Car OBD Port. OBD works on bluetooth technology.
- ✓ Creation of Account along with User Verification and Vehicle Detailings.
- ✓ After Available OBD, a device will be connected and thus the user can see real-time driving data of car such as:

Driving Status

Driving Speed

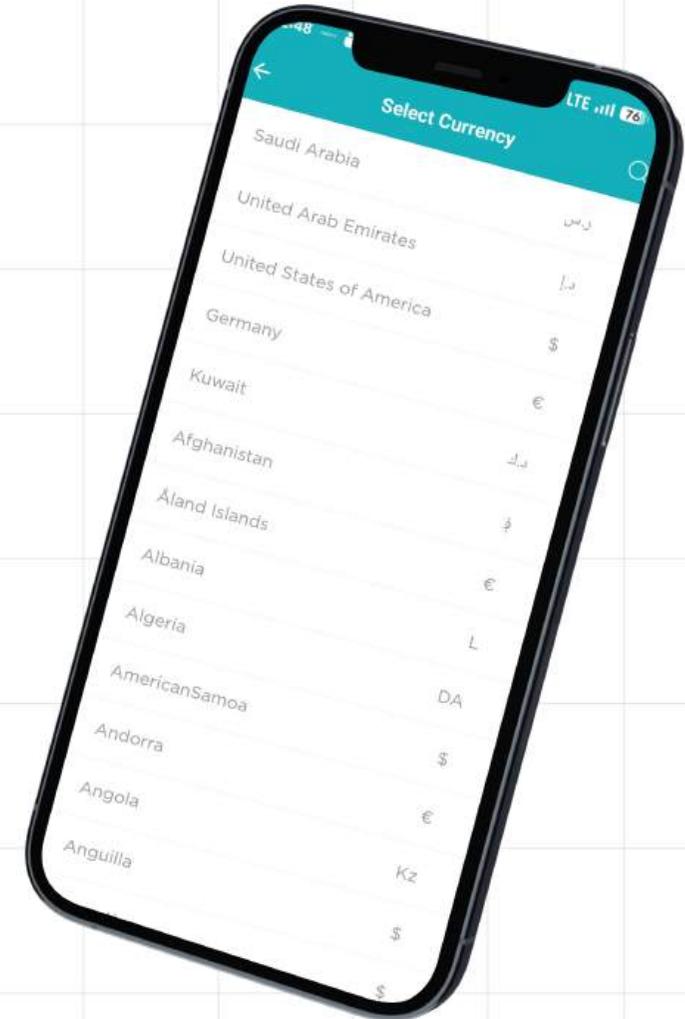
Driving Duration

Idle Duration

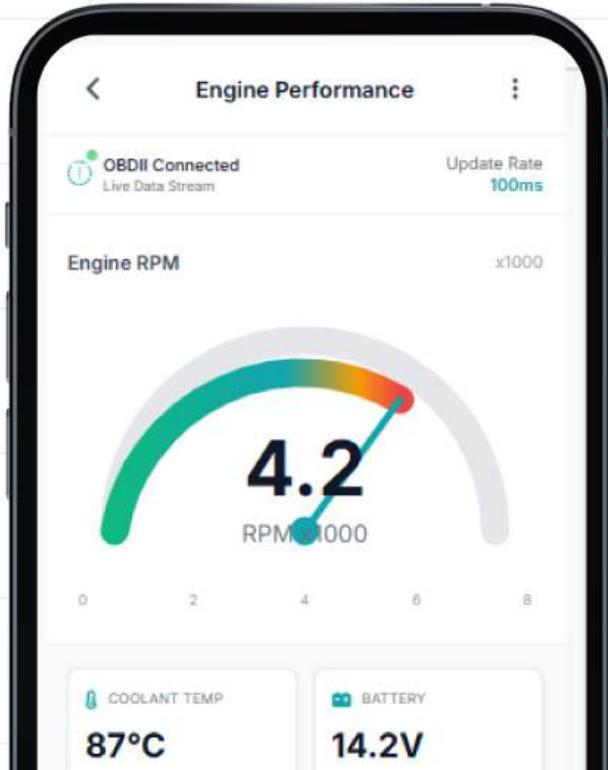
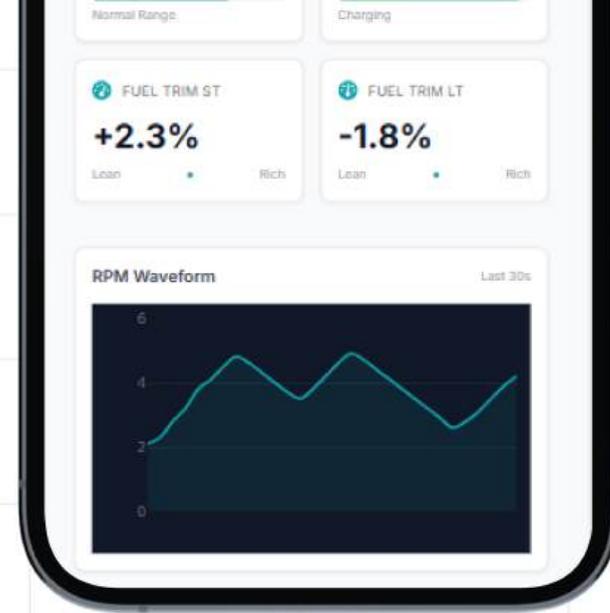
Duration Mileage

Fuel Consumption

Fuel Cost



- ✓ **Driving record-** Driving data will be generated in statistical form.
- ✓ **Maintenance records -** Maintenance activities of a vehicle can be added 'manually'.
- ✓ **Driving history records -** Driving history of vehicle will be listed update wise.
- User can view information such as- Start date & time, End date & time, distance travelled, time & fuel consumption.

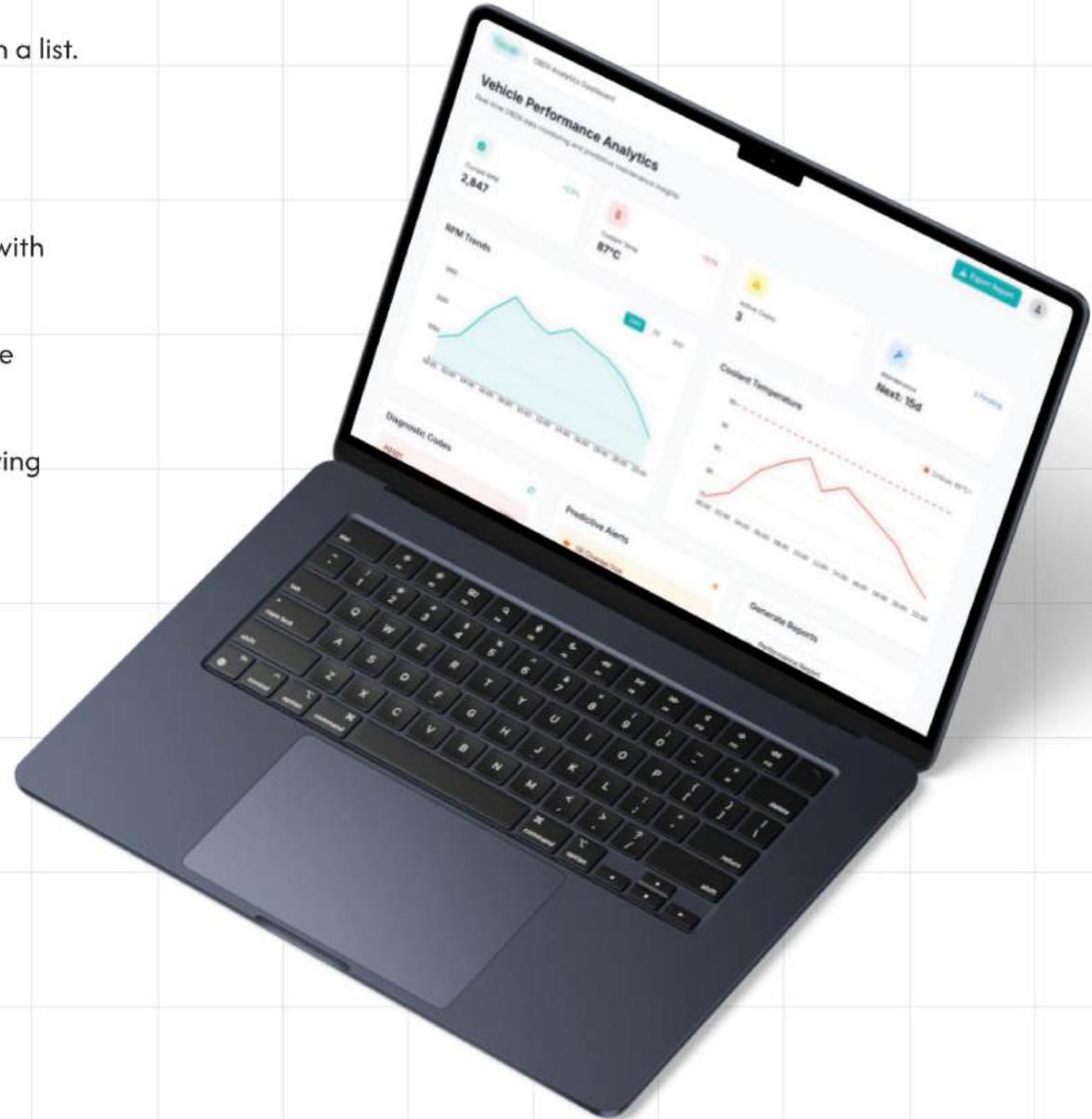


- ✓ **Digital Video Recorder (DVR)-** It uses Mirror (based on hotspot connection) and DVR (based on local WiFi) which helps the driver to watch the live video of DVR installed within the car or in the rear view mirrors, Videos can be accessed through mobile phones for watching live streaming videos. This can be achieved via scanning QR code or by manually entering session ID.
- User can see the live streaming on this App, with option to either record a video or take picture.

- ✓ Videos and Images taken by user will be saved in a folder.
- ✓ List of mirror- All the previously connected Mirrors will be shown in a list.

### Options available with Mirror

- **Live stream** - Live streaming option allows user to view Live videos with the help of 'mirror connected'.
- **File folder** - Videos taken through Mirror can be stored in and can be viewed anytime using hotspot.
- **Location** - Users can watch daily route, stops and locations also driving habits can be monitored.



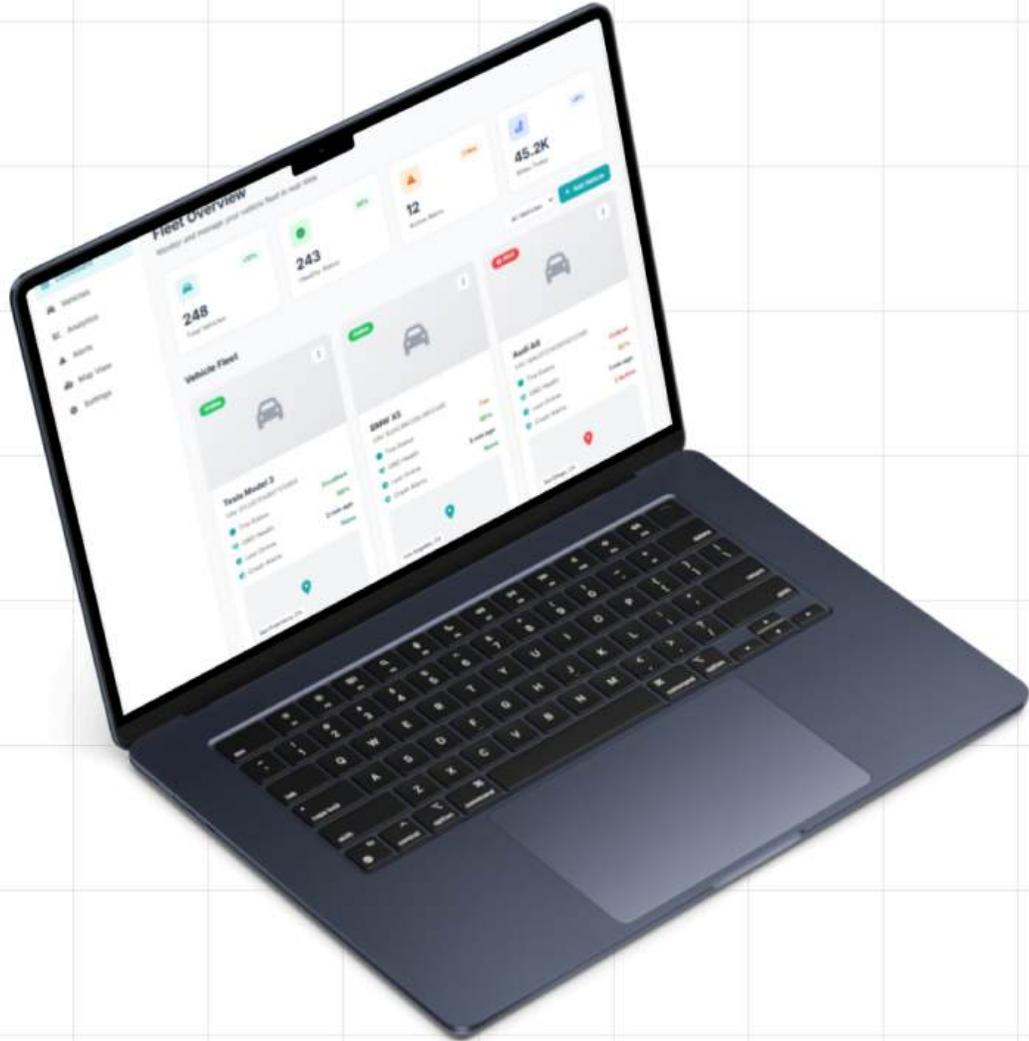
PASSWORD 

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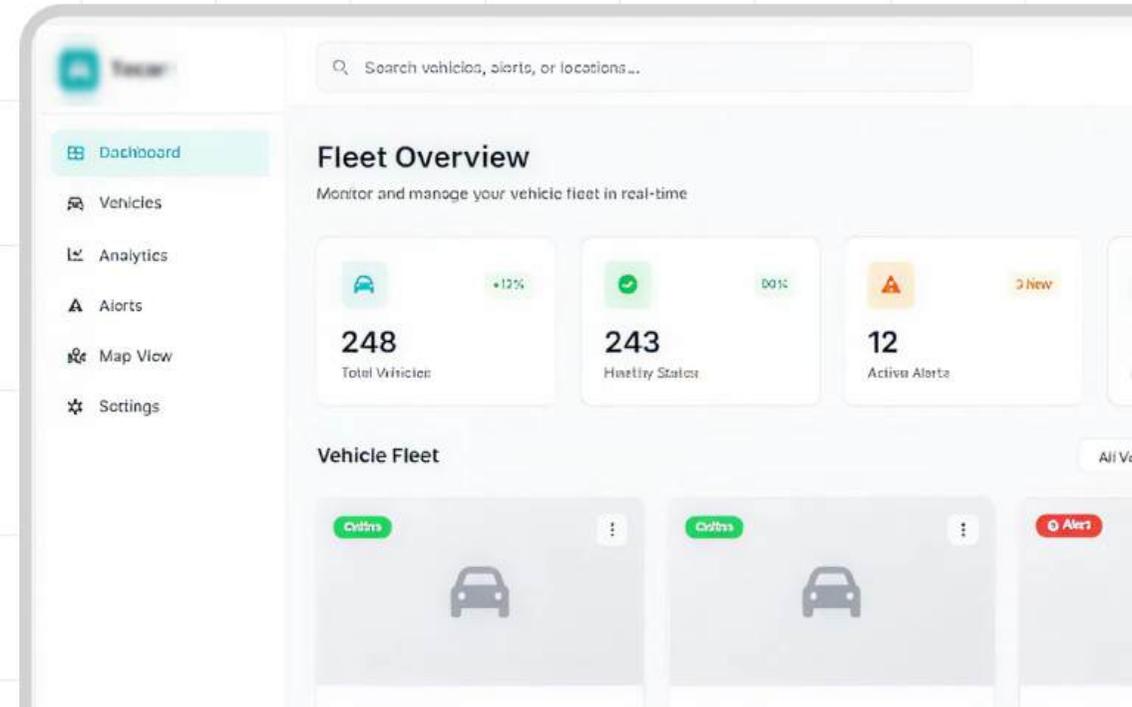
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- ✓ **LIVE rendering-** LIVE streaming will start with option to either take pictures or record a video.
- ✓ **Tyre Pressure Monitoring System (TPMS)-** TPMS device broadcast data such as Low/High Pressure Alerts, Tire temperature Alerts, Slow Leak Detection and much more using BLE beacon.
- ✓ **SOS -** User can add emergency number under SOS section and call directly.
- ✓ **Subscription-** Default plan of 2GB will be given to every user after registration. User can upgrade plan as per their requirement.



# Technologies

Frontend



Native  
(Android & iOS), Angular 5

Backend



Node JS

Database

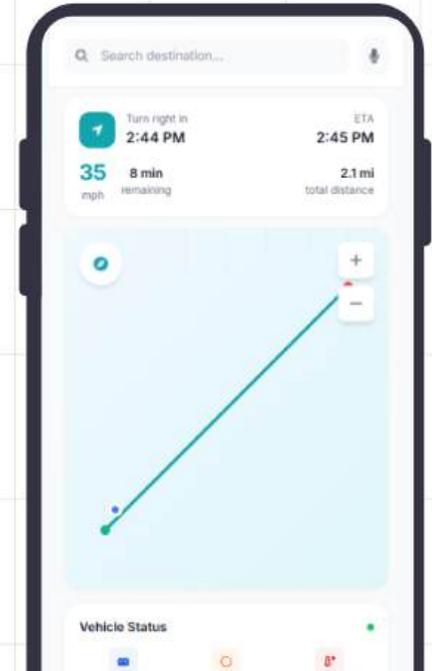
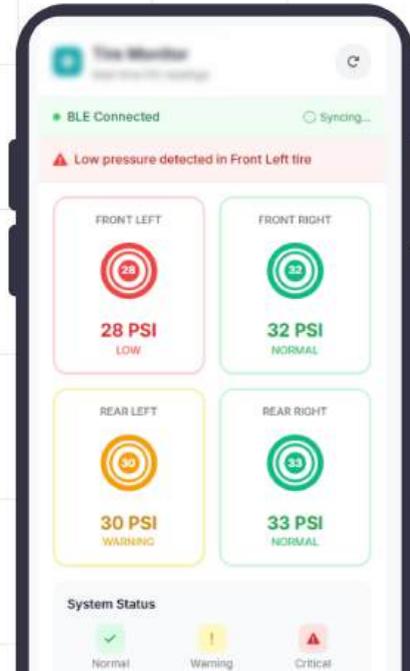
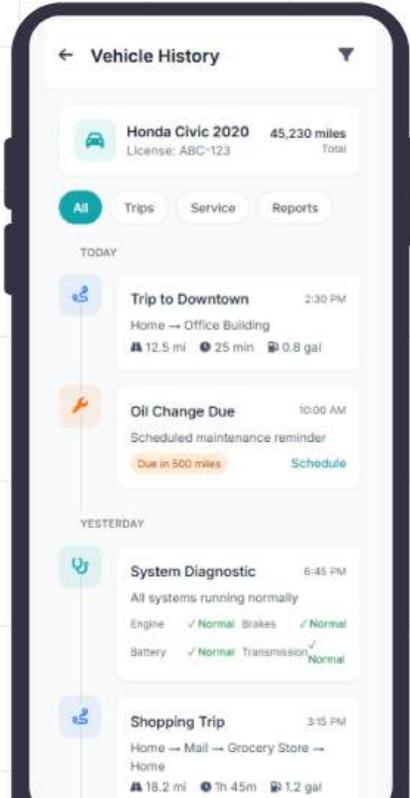


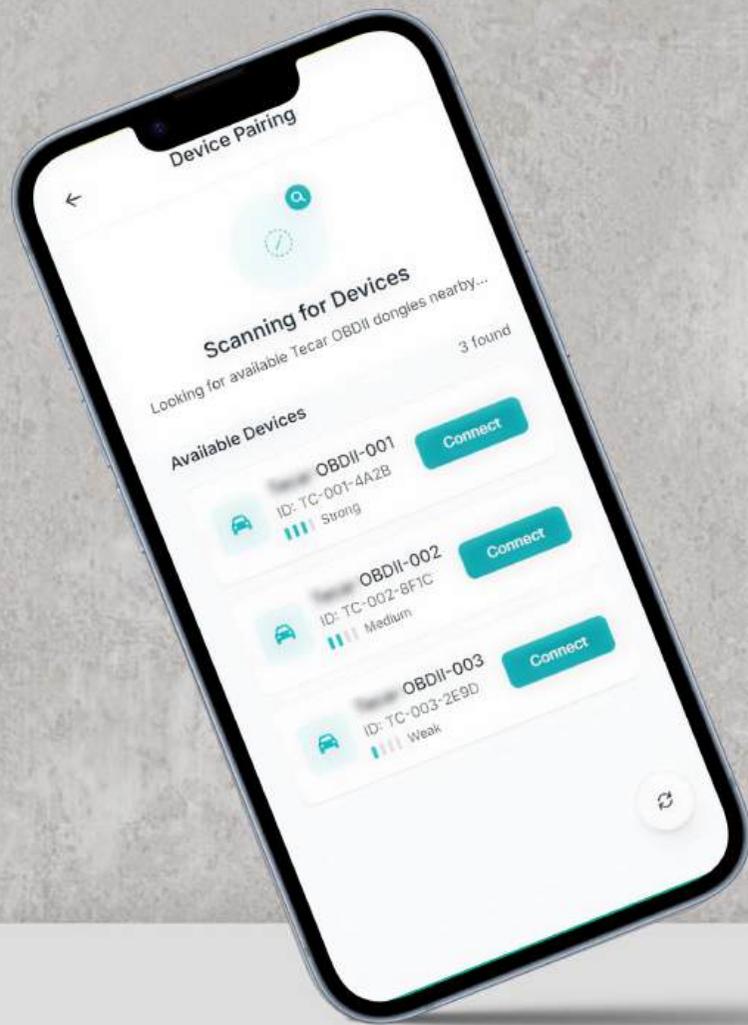
Rest API

Hardware



BLE Devices,  
Wireless Bluetooth Sensors





## Contact US



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