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Introduction

Have you ever faced below challenges as a car owner?

- ☐ Can't track family members or driver online for their safety or to prevent misuse
- ☐ Unexpected breakdowns on the road while driving which could be diagnosed digitally
- ☐ No identification of vehicle misuse in real-time
- ☐ No way to know if vehicle is towed away/ stolen
- ☐ Missing regular maintenance of the vehicle
- ☐ Dependency on phone's network to connect entertainment devices in the vehicle

JioMotive JCR 1440 is an OBD-II Dongle and is your companion for smart driving. Plug the device in your car, download the JioThings App to unlock a one-stop solution for all vehicle-related needs – from vehicle monitoring and maintenance to keeping track of maintenance requests, storing all vehicle related documents and more!

The entire product offering includes **JioMotive** (hardware device) and **JioThings** app (free app available for Android and iOS).



Dimension: 66.5 * 51 * 22.7mm

Product Features and Use Cases

JioMotive's main features include:

One Stop Vehicle Management: Know whereabouts of the vehicle, track vehicle health, manage vehicle related documentation in one place and ensure safety & security of the vehicle through location and time-based fencing

Trip Management: See a summary of trips taken, analyze individual trips and check safety & efficiency parameters

Driver Management: Monitor driver behavior and track harsh driving events. Ensure driver & passenger safety through breakdown/emergency assistance

Navigation and Routing: Smart navigation features that include location-based services such as navigating to vehicle's last known location, creating a geographic boundary, live tracking and more!

In-car Connectivity: Create a portable hotspot from the device for your in-vehicle entertainment units

Hardware Specification

JCR 1440: 4G OBD II device - Brief

Model	Mobile Router with OBD II JCR1440
Color	Black
Main Chipset	MDM9x07 + NXP IMXRT1051CVL5
Memory	4Gb ROM + 2Gb RAM
Memory (MCU)	512KB RAM + 1MB SPI Flash (external)
UE Category	Cat - 4
Throughput	DL 150Mbps / UL 50Mbps
Wi-Fi	802.11 b/g/n support up to 6 users
Bluetooth	BT4.0
Sensor	3D Accelerometer and 3D Gyroscope
DC	12V/24V

Mechanical

- Dimension: 66.5 * 51 * 22.7mm
- Backup Battery : Super capacitor 5F
- Antenna : LTE : 1T2R, Wi-Fi/Bluetooth : 1T1R, GPS

Environmental






- Operation temperature -10°C - + 60°C
- Storage temperature -20°C - + 80°C
- Humidity 5% to 95% (non-condensing)

Interface





- 3 LEDs : LTE Status/Wi-Fi/GPS Status
- Micro USB (Debug purpose)
- OBD II Connector

Understanding of LED Signals






LTE

		Green solid	Good signal
		Blue solid	Medium signal
		Red blinking fast	Service not available or weak signal
		Off	Sleep mode or power off

GPS

		Blue solid	GPS fixed
		Blue blinking fast	GPS is searching and trying to get fixed
		Off	Sleep mode or power off

Wi-Fi & Bluetooth

		Blue solid	BT on/Wi-Fi standby (no connection)
		Green blinking slow	BT on/Wi-Fi connected, data ongoing
		Green solid	BT on/Wi-Fi connected, no data
		Off	BT/Wi-Fi off

Features

- GPS/AGPS
- Sensors : Gyroscope, Accelerometer
- Wi-Fi Hotspot/BT 4.0
- OBD Protocols - CAN ISO15765-4(11/29Bit ID, 250/500k Baud)

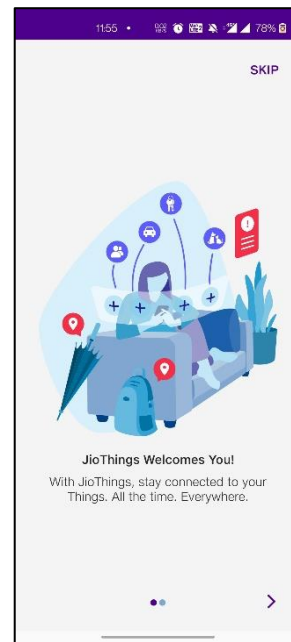


JioThings App Flow

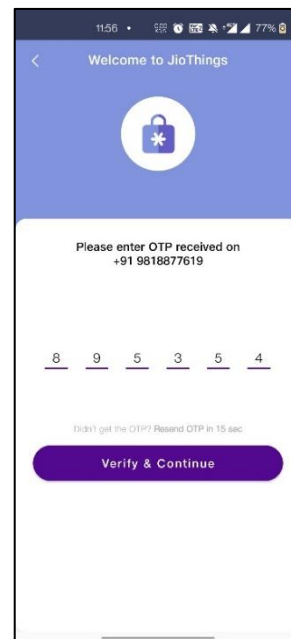
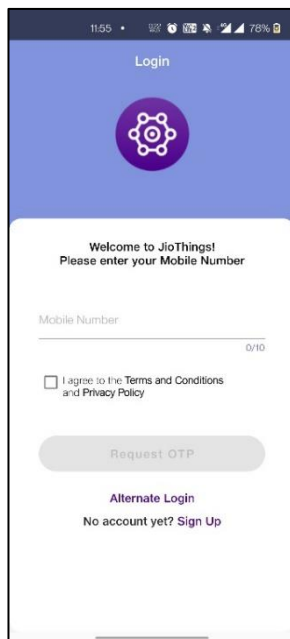
Signup Process

To sign up into the JioThings app, follow these steps:

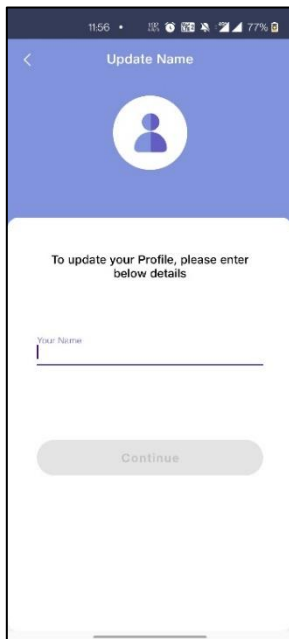
- 1) Launch the **JioThings** app in your phone.
- 2) When you first launch the JioThings, you will be taken through a set of screens, giving you further information about the app.



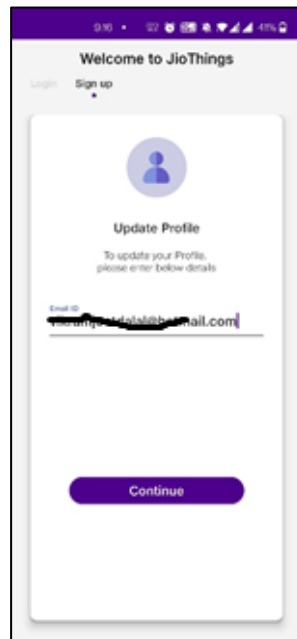
- 3) Enter your phone number on the **Sign up** page and click on **Continue**.
- 4) Enter the OTP as received as an SMS on the phone, and click on **Continue**.



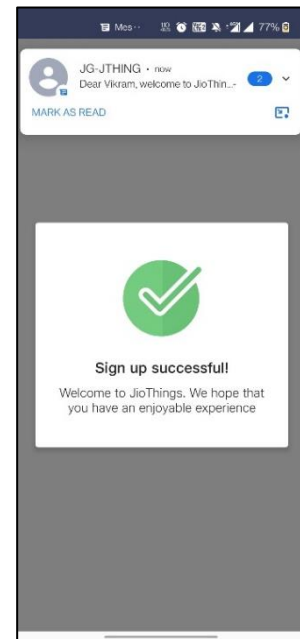
5) Enter your name and click on **continue**.



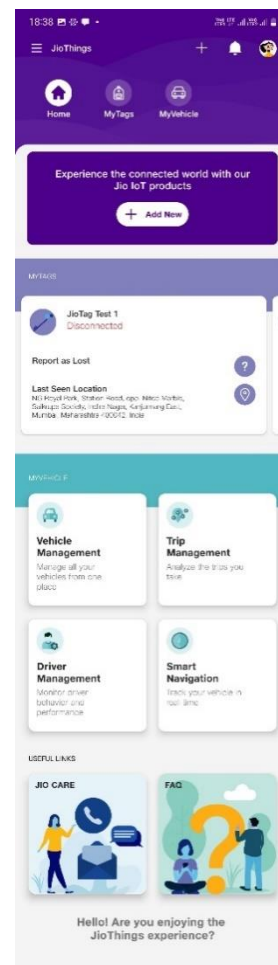
6) Enter your email address and click on **continue**.



7) Sign up process has been successfully completed.



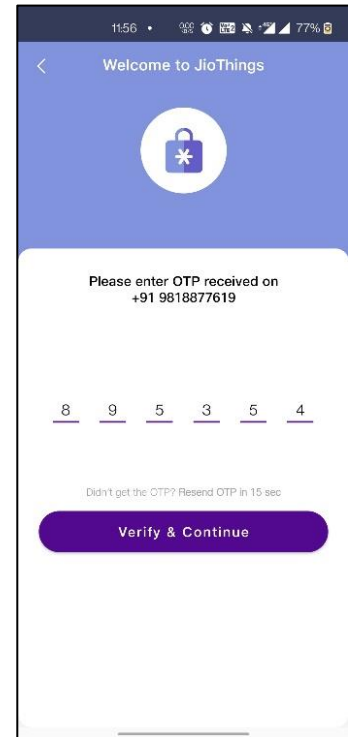
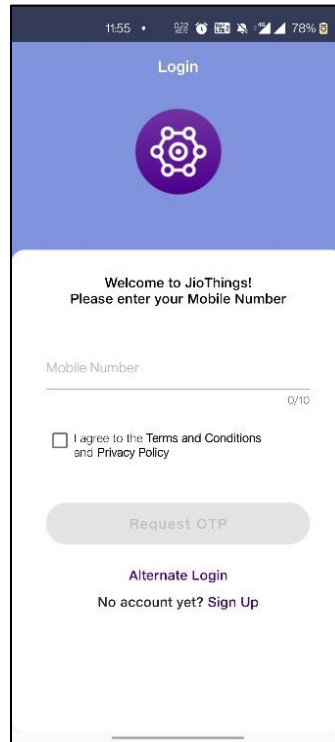
8) On successful sign up, you will be guided to the homepage of JioThings app where you can see the latest JioIoT offerings. Here you can easily add a new JioMotive to your account and can navigate to **MyMyVehicles** tab for all your JioTags.



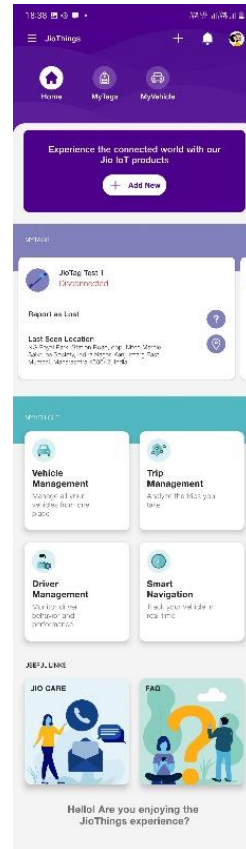
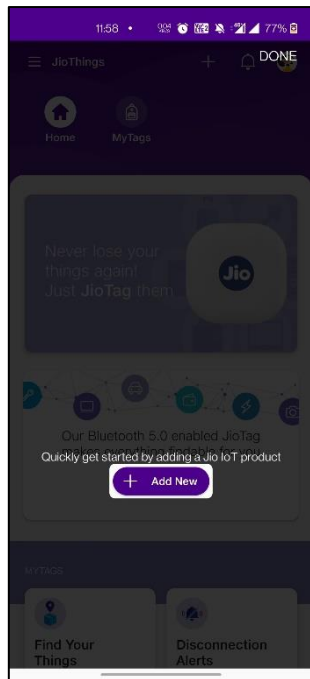
Login Process

To log in to the JioThings app, follow these steps:

- 1) Launch the JioThings app in your phone.
- 2) Enter the phone number with which you have already created a JioThings account.
- 3) Enter the OTP received as an SMS on phone and click on **Continue**.



- 4) When you first login, you will be taken through a few guiding screens, highlighting the app functionality.
- 5) After login is successful, you will be taken to the homepage.

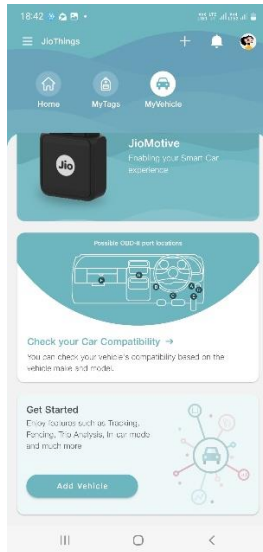


Adding a JioMotive

To add a JioTag in JioThings app, follow below steps.

1. Make sure you have the device's IMEI handy, as you will need it to add JioMotive JCR 1440 to JioThings application. It is printed on the box or on the back of device. You can also scan the QR code printed on the box or back of the device.
2. Also make sure that you have signed up with a Jio number to JioThings app. JioMotive JCR1440 data plan can only be activated on JioEverywhereConnect plan, which is a Jio Number sharing plan.

1) Click on **Add Vehicle** on **MyVehicles** dashboard.

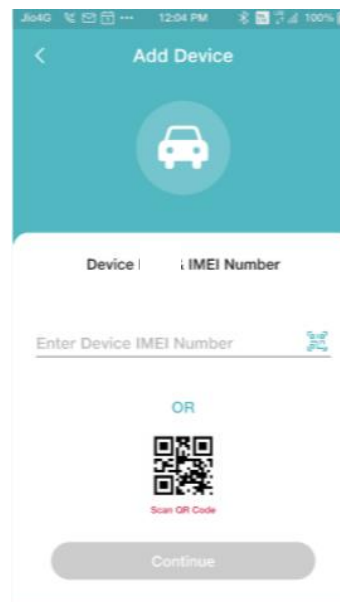


2) Click on **MyVehicles** tab on top and then click on the “+” sign on the top right corner.



- 3) Follow the instructions on screen to easily add JioMotive:
- Make sure you have plugged JioMotive in car's OBDII port and turned car ON.**
 - Click on Proceed to add your vehicle's details.

4) Scan QR code on the device box to get the IMEI or enter it manually



5) Proceed to add your vehicle details and click on **Save**.

6) Proceed to setup a data plan for your device. Make sure that you are logged in with a Jio number.

Add Device

Vehicle Details
Please enter details about your vehicle

Enter Device IMEI Number
XXXXXXXXXXXX

Enter Device ICSE Number
XXXXXXXXXXXX

Registration Number

Name your car, e.g. 'My Car'

Vehicle Make

Vehicle Model

Fuel Type

Year of Make VIN Number

Setup a Data Plan

Enable your Connected Car experience by setting up a data plan for your JioMotive device. JioEveryWhereConnect plan helps your JioMotive to get activated and stay connected by sharing the Jio Number on your phone. Make sure to plug your JioMotive device in your car's OBDII port and turn ON your car while next steps are followed.

☐ I agree to the [Terms & Conditions](#).

Enable

- 7) You will be redirected to Jio.com websheet to activate the data plan of JioMotive on Number Sharing Plan (Jio Everywhere Connect plan). Select JioMotive JCR 1440 to pair it with your primary Jio Phone number
- 8) The order will be submitted and you will receive an SMS once the order is successfully completed.

Jio

Manage Smart Device Data Plan
9123456789

JioMotive JCR1440
JioMotive device found to pair with your Jio 4G data plan

Paired Devices
No devices paired with Jio 4G plan.

Jio

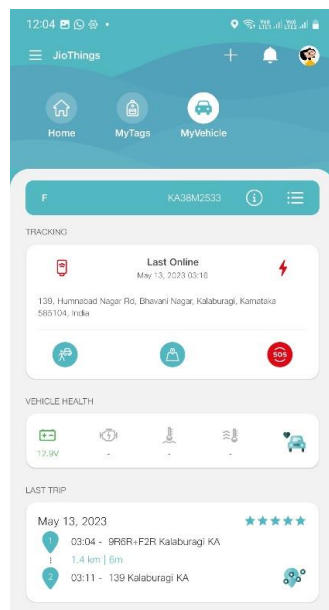
Request submitted
Your request for Smart Device pairing is submitted for Jio Number 94xxxxx123. You'll receive a confirmation message, once it is successfully paired. For more details, visit <https://www.jio.com/en-in/esim>

Okay

- 9) You will be redirected to JioThings application – **MyVehicles** dashboard and view your JioMotive in “Activation in progress” state. **Make sure that device is plugged in to car’s OBD II port and car is turned ON within 7 days of activating the data plan on the device. This ensures that SIM gets activated and latches on to the network successfully.**

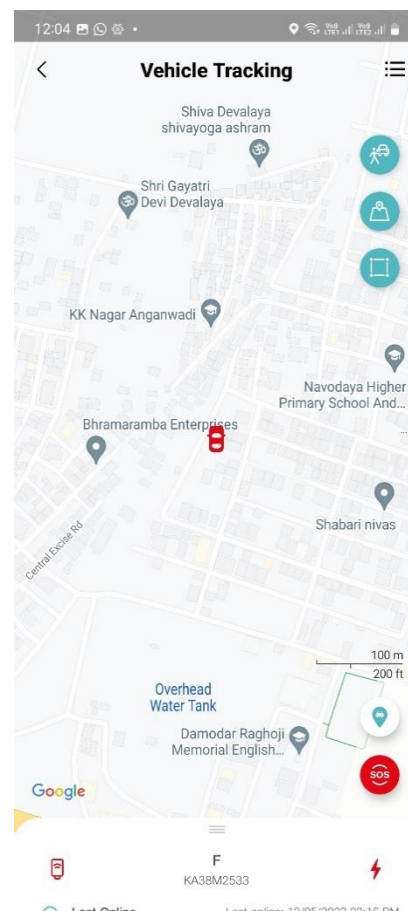
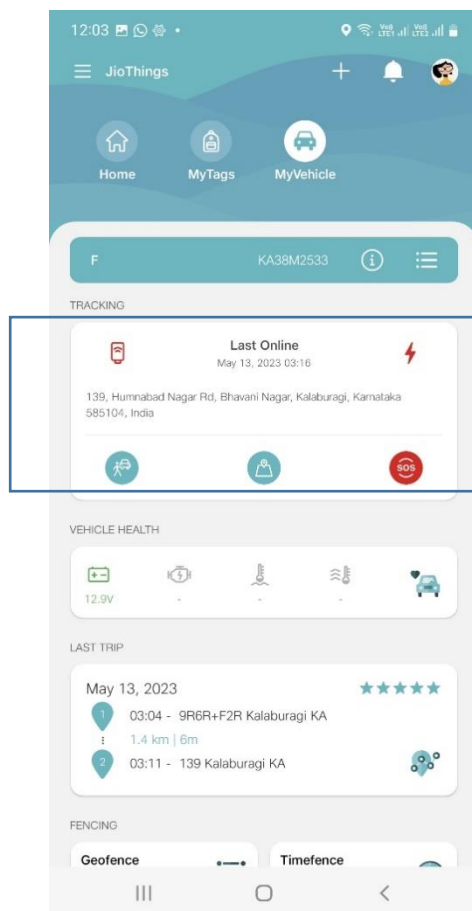


- 10) Once device has connected to the network, you can start tracking it on JioThings MyVehicles dashboard.

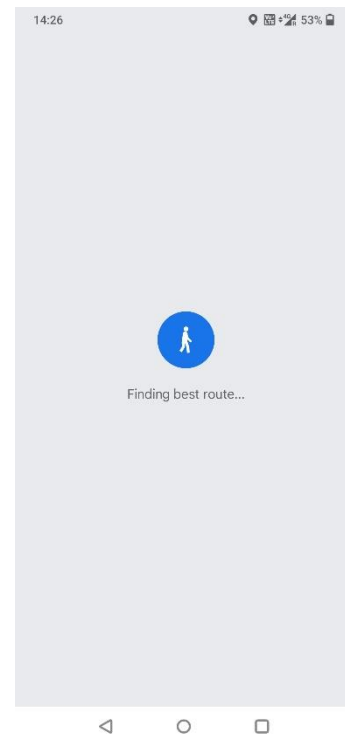
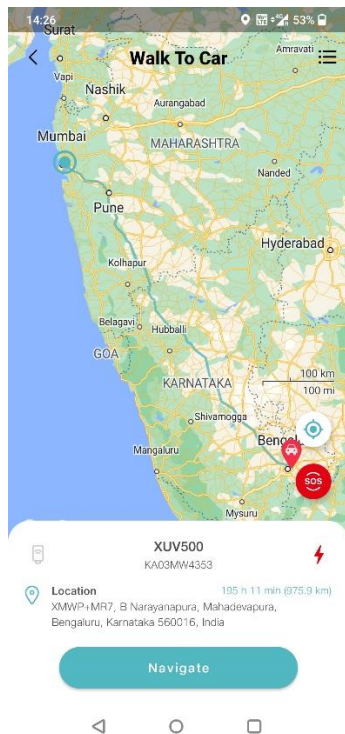


View Tracking Details of you vehicle

- 1) Click on **MyVehicle** to open the dashboard. You can view the status of your car on the card under **Tracking**
- 2) Click on Tracking card to view the current or last location of your vehicle. If the car status is in **On Route**, you can view live track your car on the map below

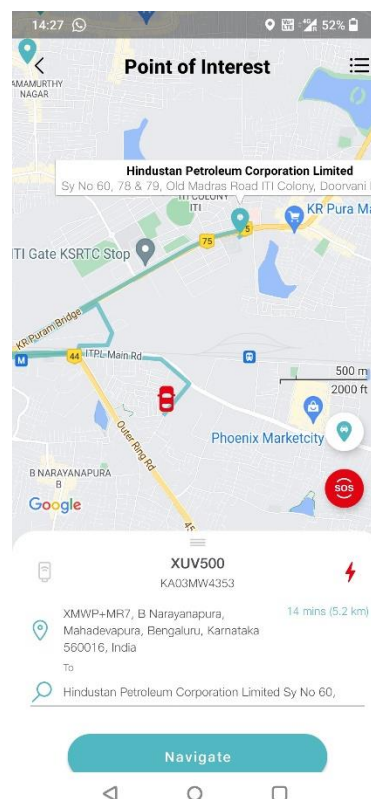
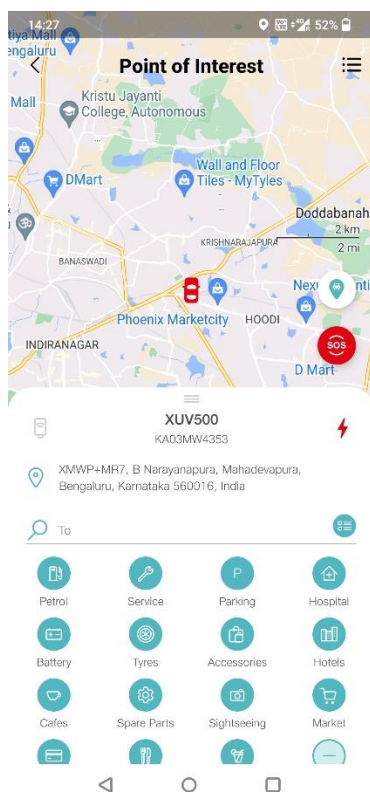


- 3) Click on **Walk To Car** icon, the first icon on tracking card or the map view to navigate yourself to your car's last location. The app will take your current location and draw a route to your car's last location.
- 4) Click on **Navigate** to see the walking route on Google Maps.



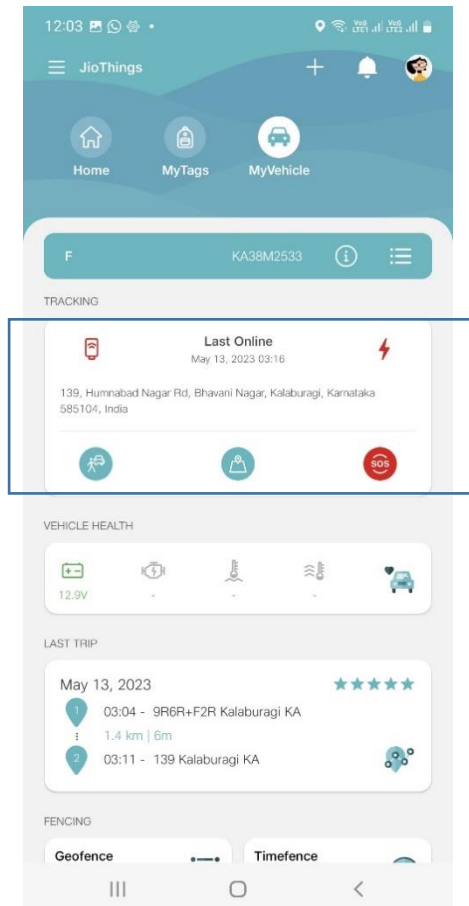
- 5) Click on **POI** icon, the second icon on tracking card or the map view to find nearest Point of Interests from your car's location.

- 6) You can choose from multiple pre-defined Point of Interests like Petrol Pumps, Parking, Cafes etc. App will suggest nearby POIs. You can then navigate to the selected POI.



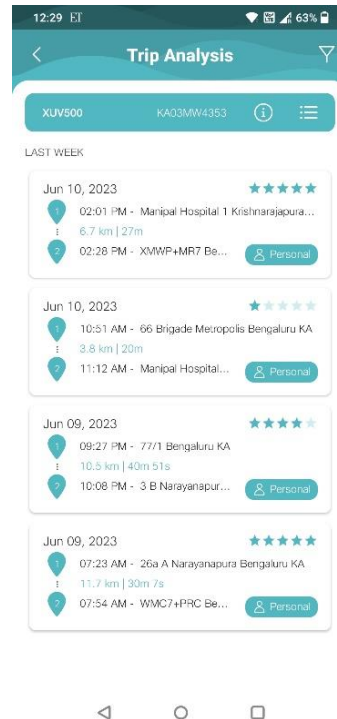
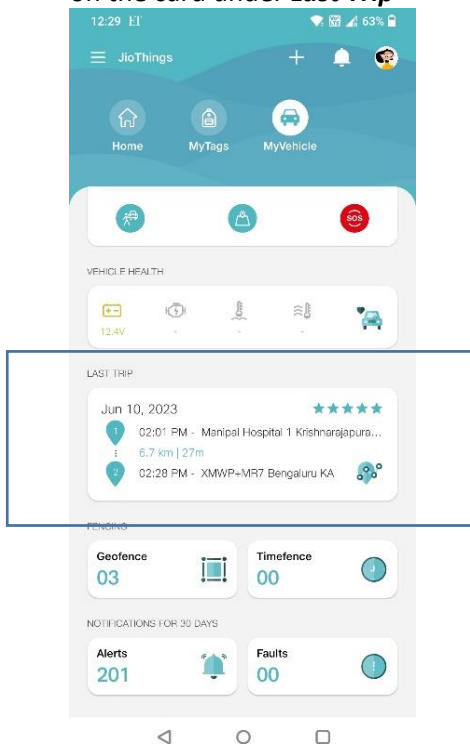
View Vehicle Health

- 1) Click on **MyVehicle** to open the dashboard. You can view the health of your car on the card under **Vehicle Health**
- 2) Click on the Vehicle Health card to view car's health – battery, coolant temperature, engine load and air intake temperature

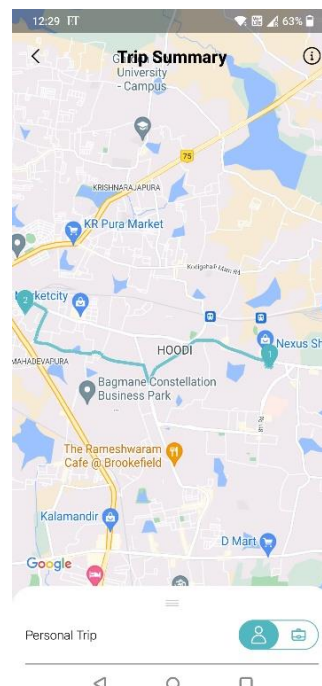
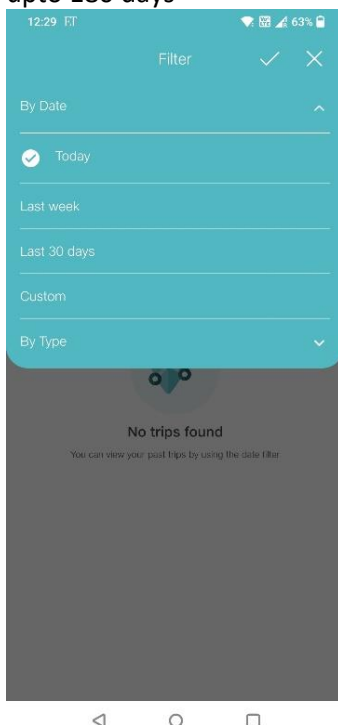


View Trip Summary

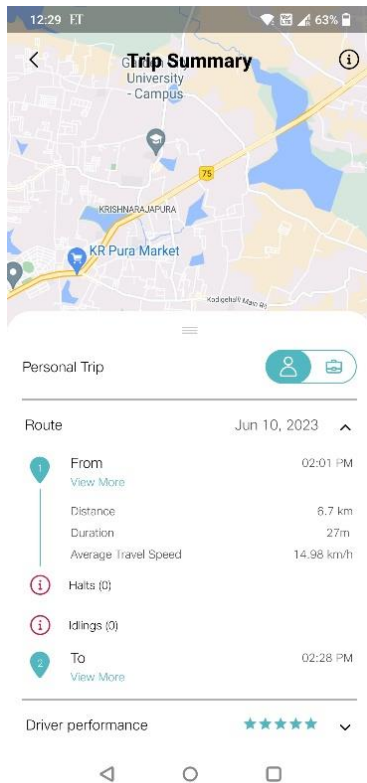
- 1) Click on **MyVehicle** to open the dashboard. You can view the last trip taken by your car on the card under **Last Trip**
- 2) Click on the Last Trip card to view car's trips for the current date.



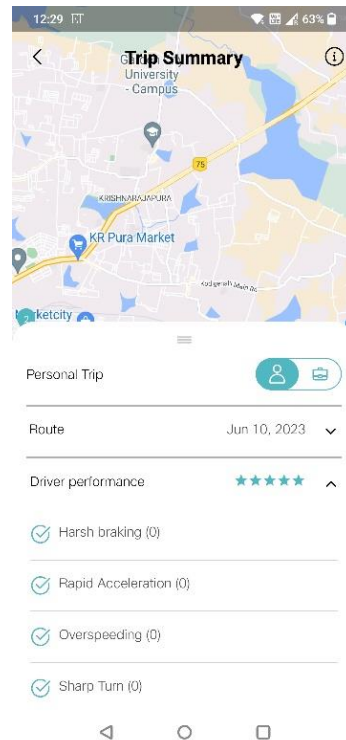
- 3) You can also click on the filter to see last week, last 30 days or for your custom range upto 180 days
- 4) Click on a trip to view the trip summary like the route from source to destination



- 5) Expand or pull up the bottom card to view the route with source, destination and any halt or idling locations

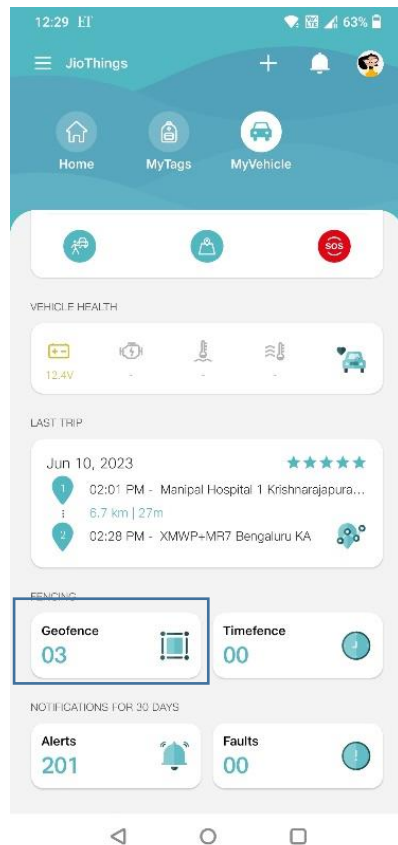


- 6) Expand the driver performance section to see the star rating of the driver during that trip



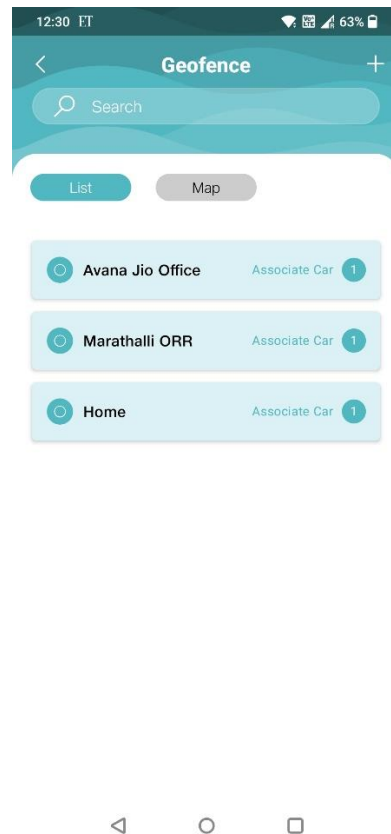
Create and Manage Geofence

- 1) Click on **MyVehicle** to open the dashboard. You can view the number of geofences set for your car on the card under **Fencing** section

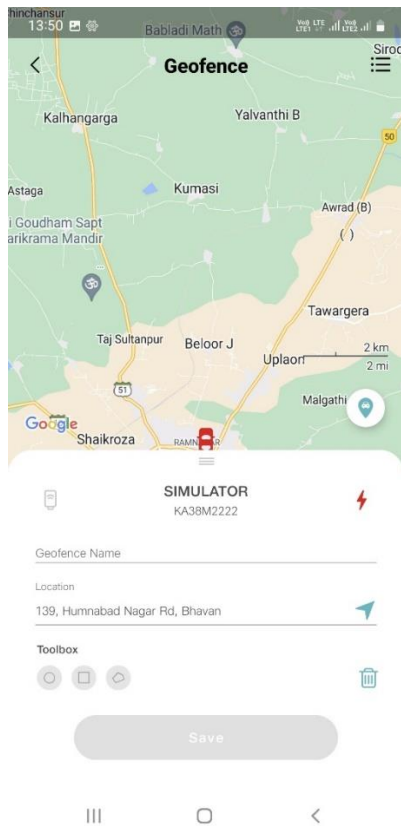


- 3) Click on “+” to create a new Geofence

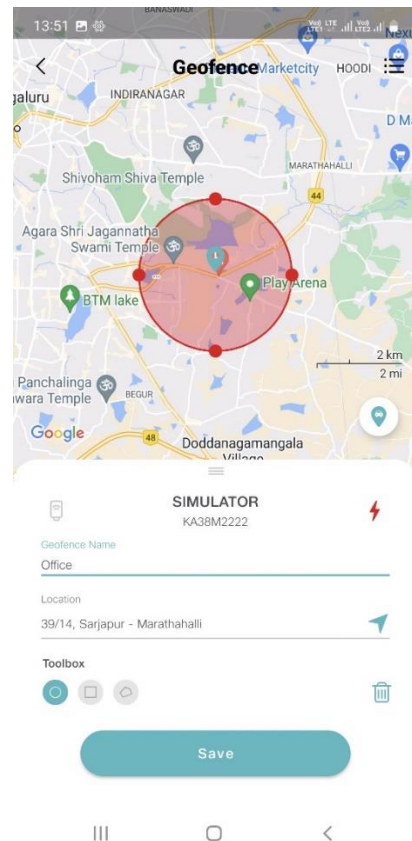
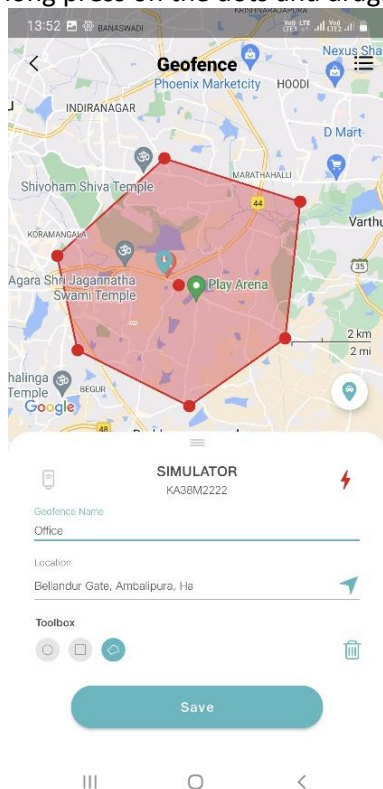
- 2) Click on the Geofences card to view any existing Geofence or create a new one



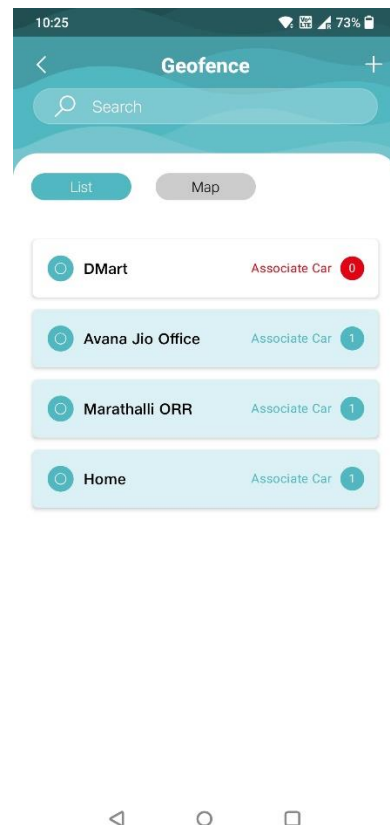
- 4) Enter the name of the Geofence and address where you want to create the Geofence



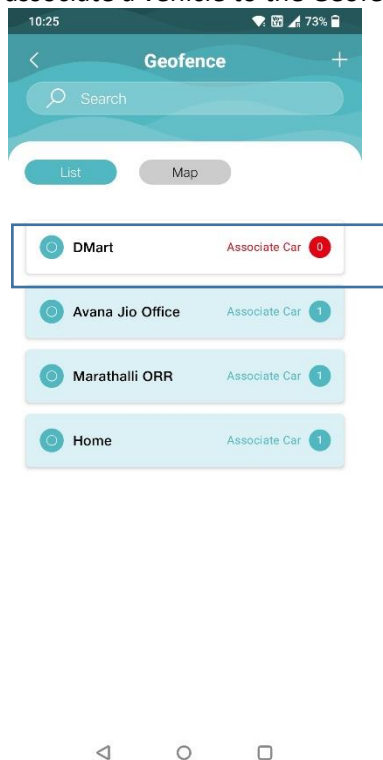
- 5) You can choose to create circular, square or polygonal Geofence. To increase or decrease size of Geofence, long press on the dots and drag.



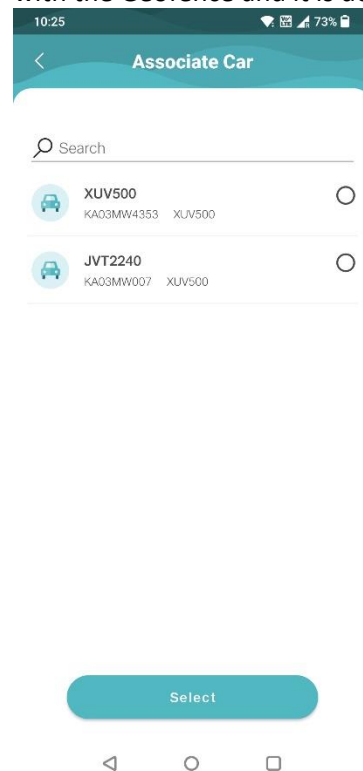
- 6) Click on Save, Geofence will be saved successfully



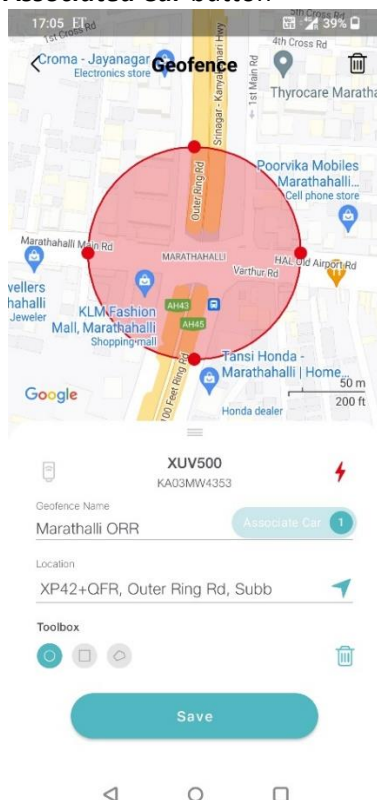
- 7) Click on the created Geofence to associate a vehicle to the Geofence



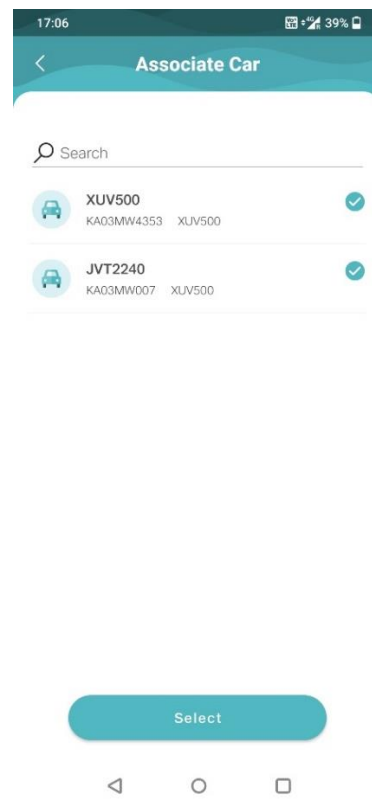
- 8) Select the vehicle you want to associate with the Geofence and it is done!



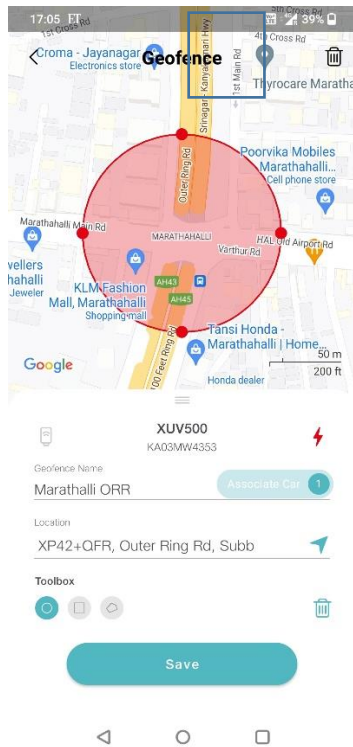
- 9) To associate an existing Geofence to another added vehicle, click on the **Associated Car** button



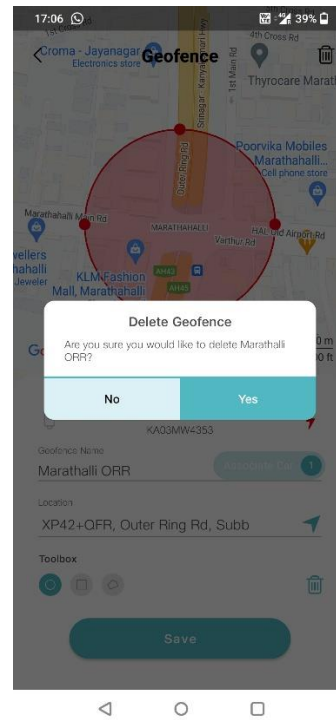
- 10) Select the car you want to associate to the Geofence



11) To delete existing Geofence, Click on Delete icon on top right

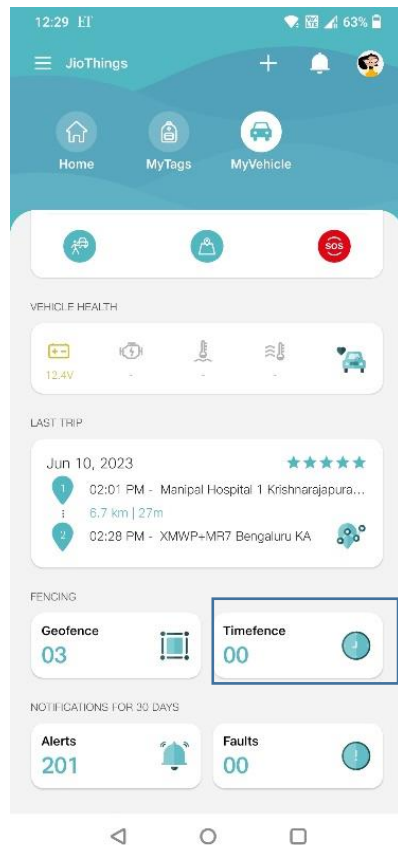


12) Confirm Deletion

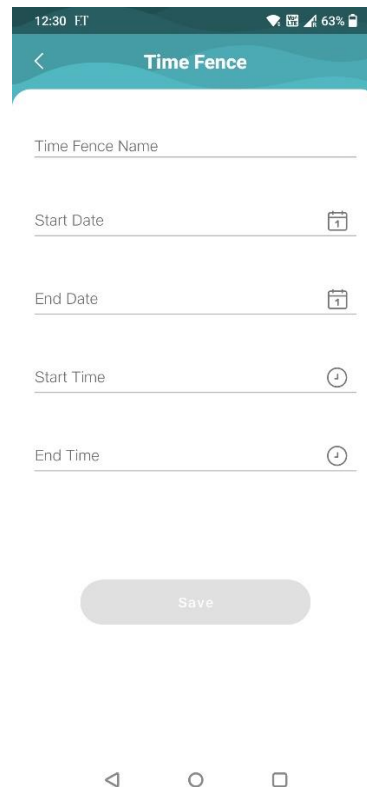


Create a Timefence

- 1) Click on **MyVehicle** to open the dashboard. You can view the number of timefences set for your car on the card under **Fencing** section
- 2) Click on the **Timefences** card to view any existing timefence or create a new one



- 3) Fill in the details and click on **Save**



- 4) Click on the timefence created to associate a vehicle to the timefence

10:24

Time Fence

Time Fence Name
Office Time

Start Date
19 Jun 2023

End Date
23 Jun 2023

Start Time
10:00

End Time
18:00

Save

5) Click on **Associate Car**

10:26

Time Fence

Time Fence Name
Office Time Associate Car 0

Start Date
19 Jun 2023

End Date
23 Jun 2023

Start Time
10:00

End Time
18:00

Save

10:26

Time Fence

Search

Office Time 10:00 - 18:00
19-06-2023 23-06-2023 Associate Car 0

6) Choose a vehicle and click on **Select** and you are done!

10:26

Associate Car

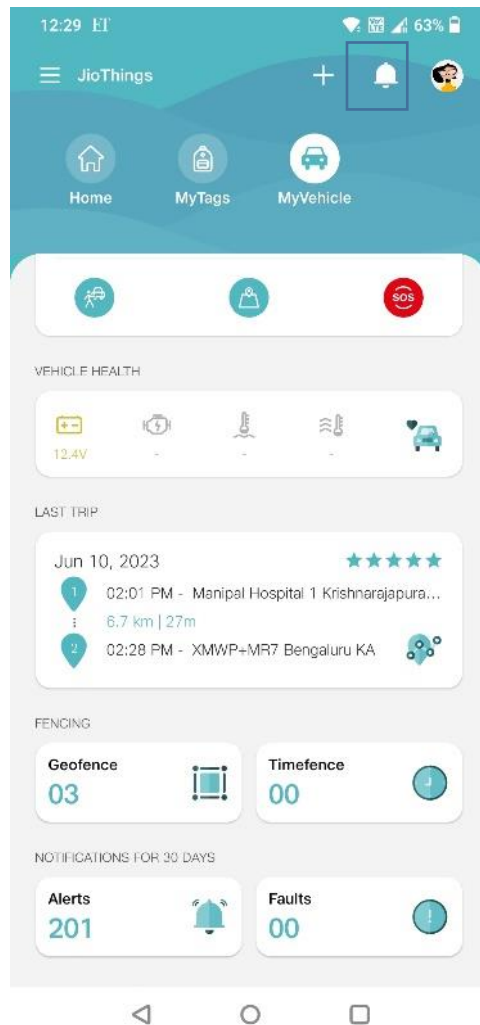
Search

XUV500 KA03MW4353 XUV500	<input checked="" type="radio"/>
JVT2240 KA03MW007 XUV500	<input type="radio"/>

Select

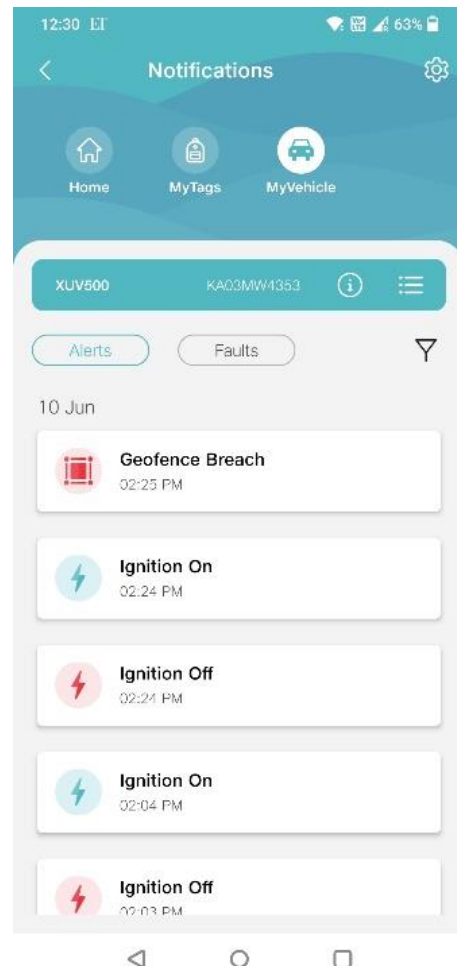
View and Filter Alerts and Notifications

- 1) Click on **MyVehicle** to open the dashboard. Click on the Notification Bell icon to open notifications and alerts of MyVehicles

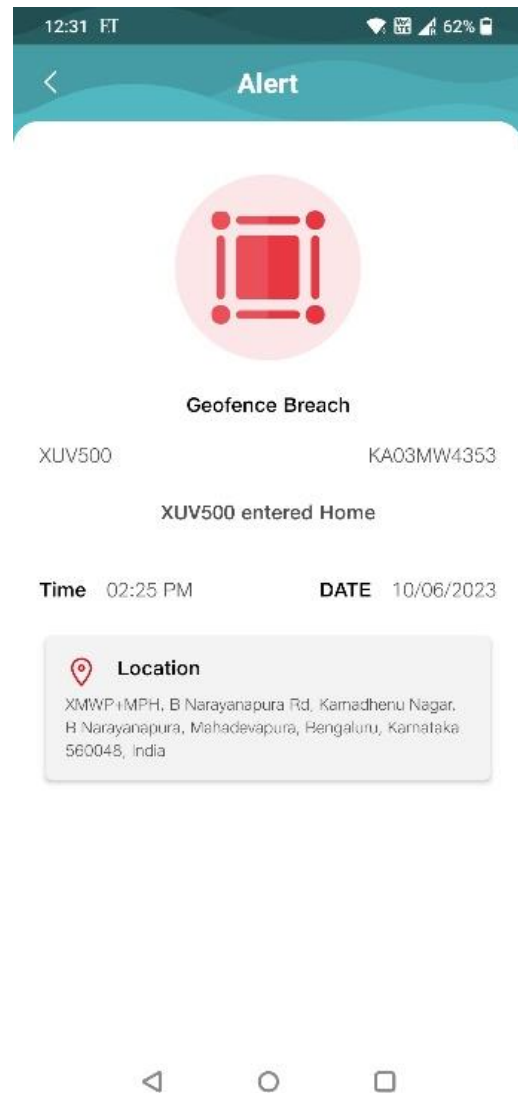
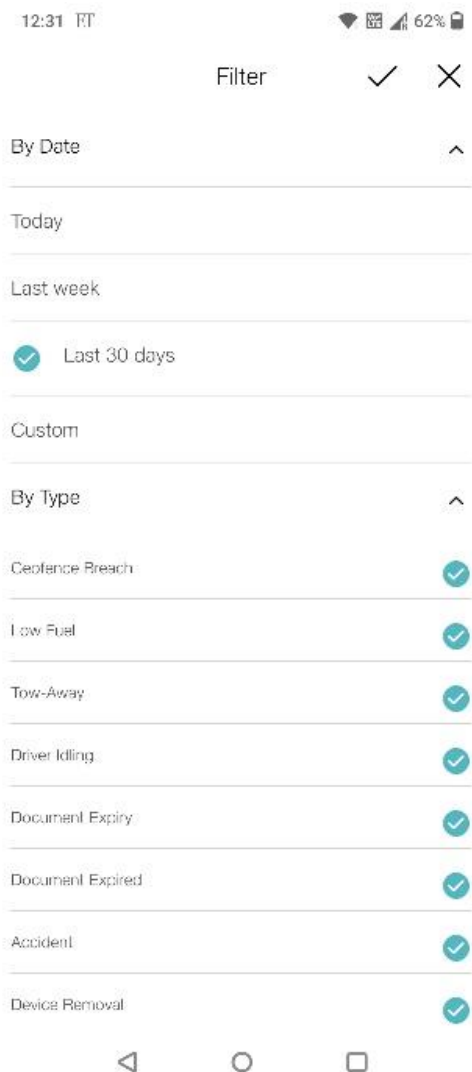


- 3) Click on the **Filter** icon to filter the alerts by date and type

- 2) You can view the Alerts and Faults generated for your vehicle

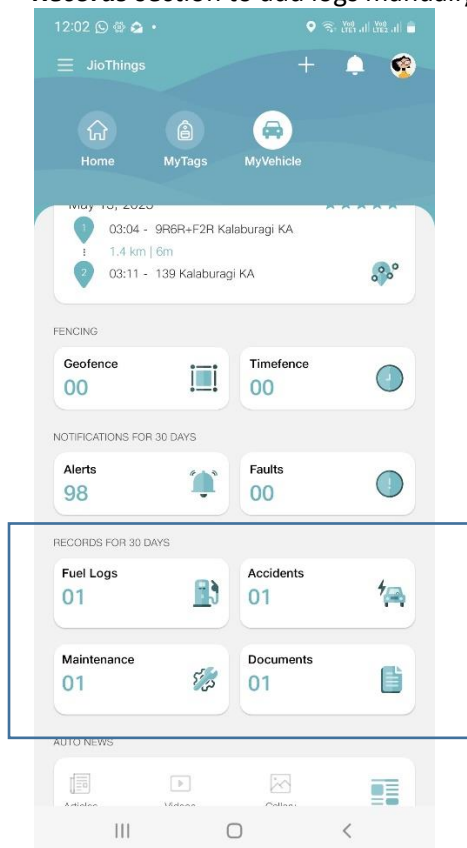


- 4) You can also click on a specific alert to view more details



Create and Maintain Records

- 1) Click on **MyVehicle** to open the dashboard. Click on any card under **Records** section to add logs manually



- 3) Fill in the details as seen below

11:08

< New Fuel Log

XUV500 KA03MW4353

Select Date

Select Time

Fuel Type

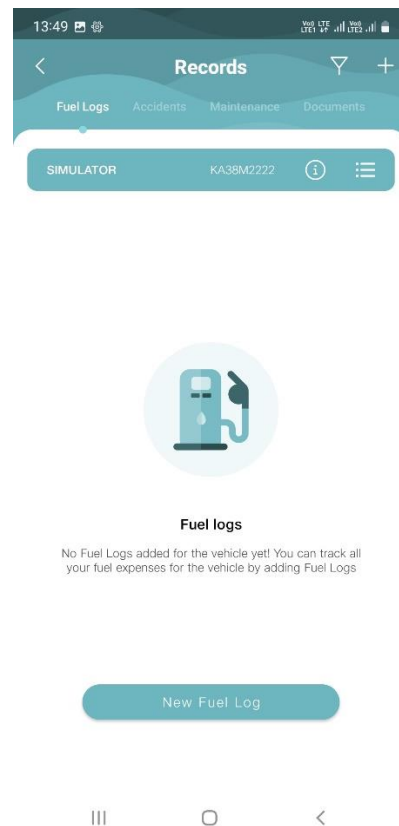
Total Amount (INR)

Refill Quantity (Litres)

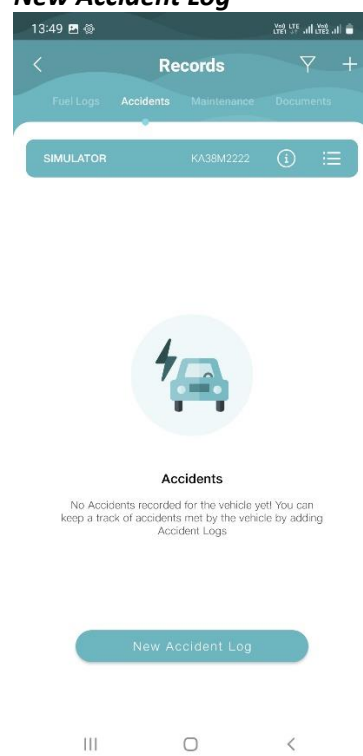
Odometer Reading (Kilometer)

Save

- 2) You can add **Fuel Logs** by clicking on **New Fuel Log**



- 4) You can add **Accidents** by clicking on **New Accident Log**



5) Fill in the details as seen below

11:08 70%

< New Accident

XUV500 KA03MW4353

Select Date

Select Time

Last Speed

Add Location

Description (optional)

0/140

Upload Images (0/5)

+

Save

7) Fill in the details as seen below

11:08 70%

< Completed Maintenance

XUV500 KA03MW4353

Select Date

Kilometer

Service station name

Description (optional)

0/140

Upload Images (0/5)

+

Save

6) You can add **Maintenance** by clicking on **New Maintenance Log**

13:49

< Records

Fuel Logs Accidents Maintenance Documents

SIMULATOR KA38M2222

+

New Maintenance Log

8) You can add **Accidents** by clicking on **New Accident Log**

13:49

< Records

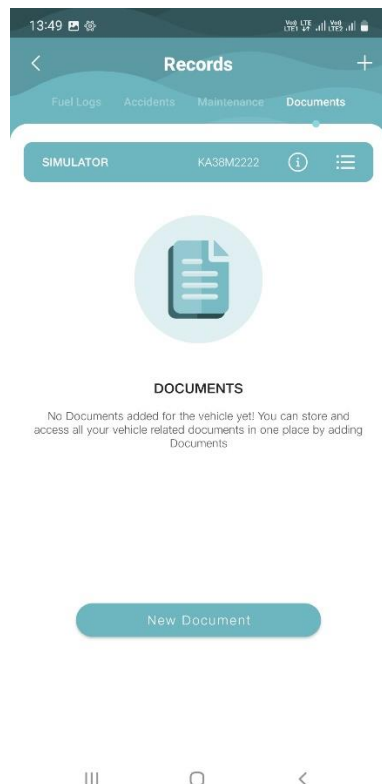
Fuel Logs Accidents Maintenance Documents

SIMULATOR KA38M2222

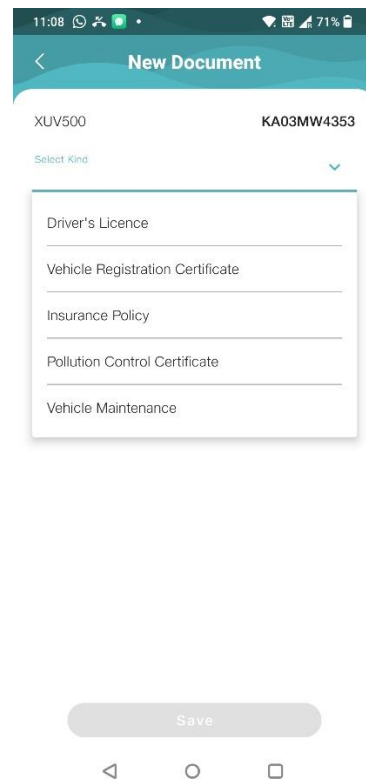
+

New Maintenance Log

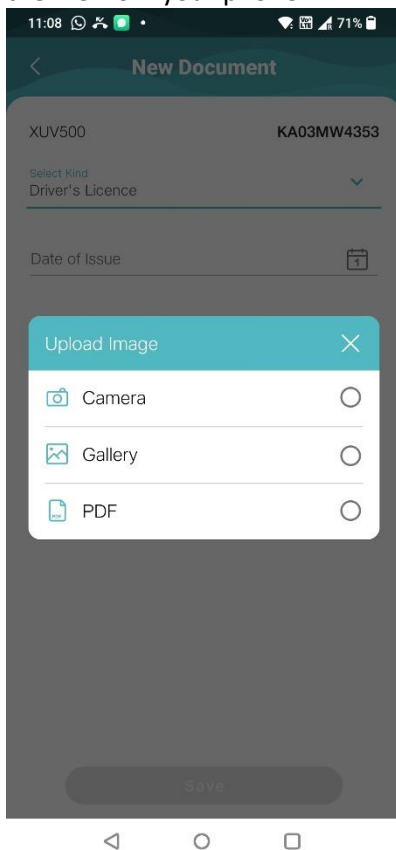
9) You can add **Documents** by clicking on **New Documents**



10) Select the type of document that you want to upload

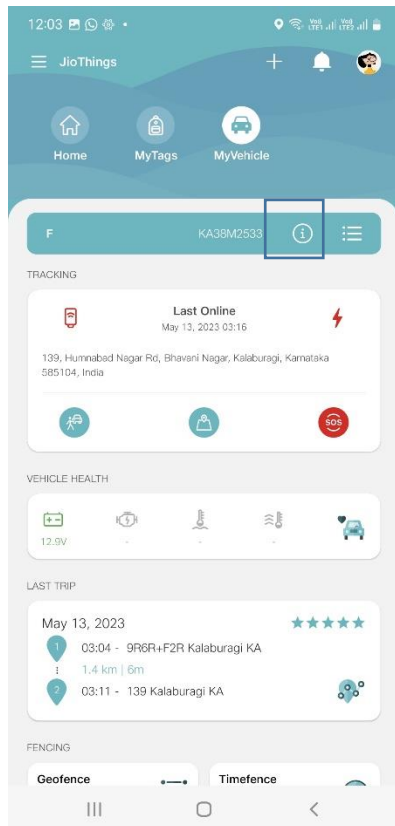


11) Fill in the respective details and upload the file from your phone

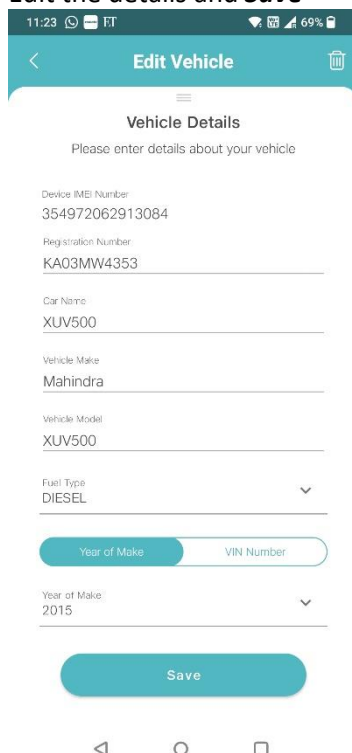


Edit Vehicle Details

- 1) Click on the information “i” icon next to the car name to edit your vehicle details
- 2) Click on Edit Pencil icon to edit the details of your existing vehicle



- 3) Edit the details and **Save**



View other Vehicle Details

- 1) Click on the 3 bar menu next to the car name to view your other vehicle details
- 2) Choose the vehicle to view its dashboard and details

