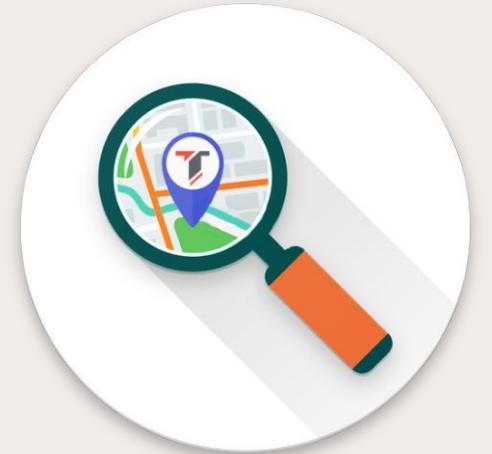


# TrakiGa-

*AVLS and ITS Platform*



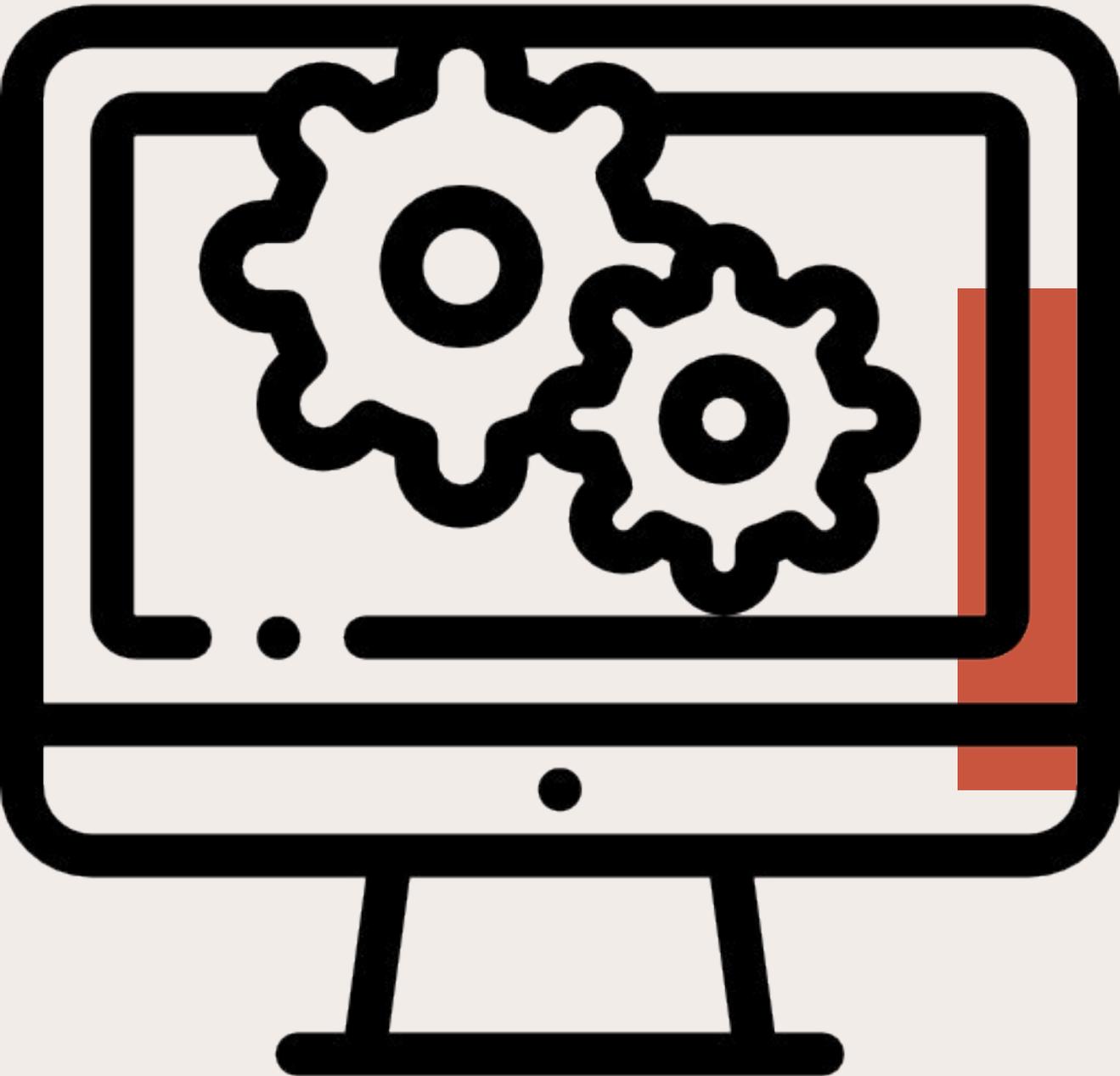
- *Real-time Tracking and Analytics*
- *Live Monitoring and Alerts*
- *High precision and Scalability*



04/01/2024

# Agenda

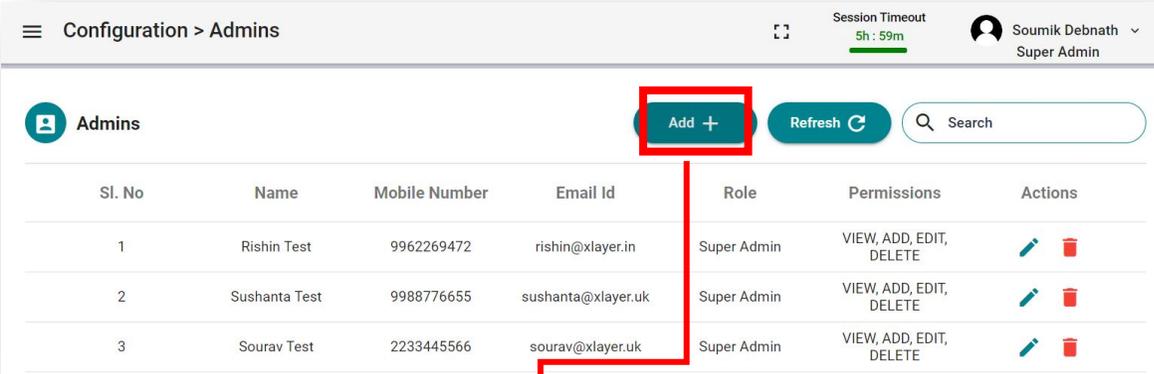
- Configuration
  - [Admins](#)
  - [Drivers](#)
  - [Devices](#)
  - [Geofences](#)
  - [Vehicles](#)
  - [Category](#)
  - [Fuel Prices](#)
- Trip Management
  - [Trip Terminals](#)
  - [Trip Stop](#)
  - [Trip Route](#)
  - [Trips](#)
- Reports
  - [Movements Report](#)
  - [Vehicles Report](#)
  - [Service hours Report](#)
  - [Fuel Report](#)
  - [Vehicle Events Report](#)
  - [Location Report](#)
  - [Distance Report](#)
- Dashboard and Live Tracking
  - [Dashboard](#)
  - [Live Tracking](#)



## CONFIGURATION

# Admin Configuration

- Navigate to Configuration > Admins
- Click on  button to add a new admin
- Fill in the fields – First Name , Last Name, Mobile Number, Email ID and Password.
- Select the role of the admin and give the necessary permissions.
- Hit on  to **save** the details of the admin.
- Click on  icon to **edit** the details of the admin.
- Click on  icon to **delete** the details of the admin.
- In the search bar  type in the name of the admin or the roles of admin to quickly get the details of any admin.



Configuration > Admins

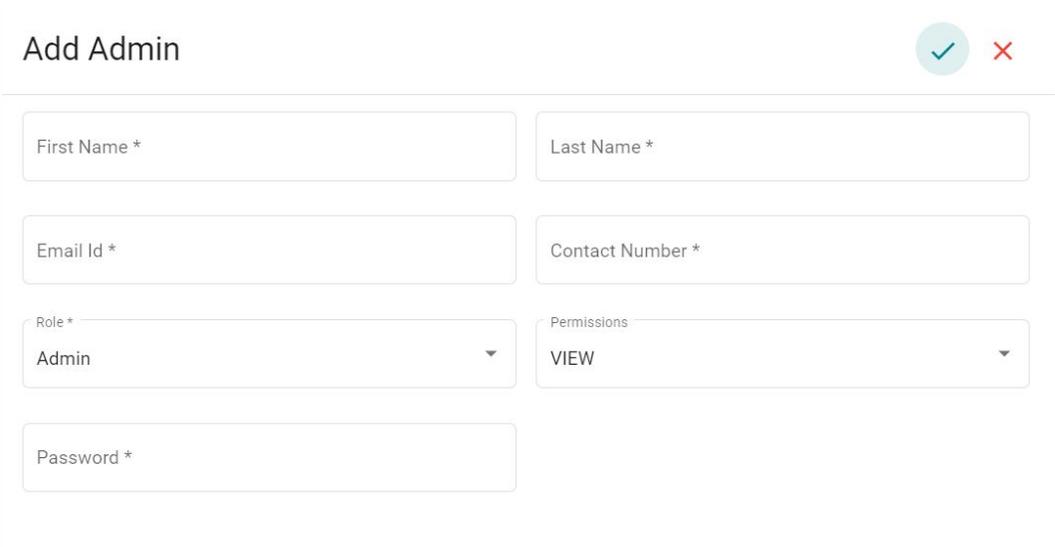
Session Timeout 5h : 59m

Soumik Debnath Super Admin

Admins

Add + Refresh Search

Sl. No	Name	Mobile Number	Email Id	Role	Permissions	Actions
1	Rishin Test	9962269472	rishin@xlayer.in	Super Admin	VIEW, ADD, EDIT, DELETE	 
2	Sushanta Test	9988776655	sushanta@xlayer.uk	Super Admin	VIEW, ADD, EDIT, DELETE	 
3	Sourav Test	2233445566	sourav@xlayer.uk	Super Admin	VIEW, ADD, EDIT, DELETE	 



### Add Admin

First Name \*

Last Name \*

Email Id \*

Contact Number \*

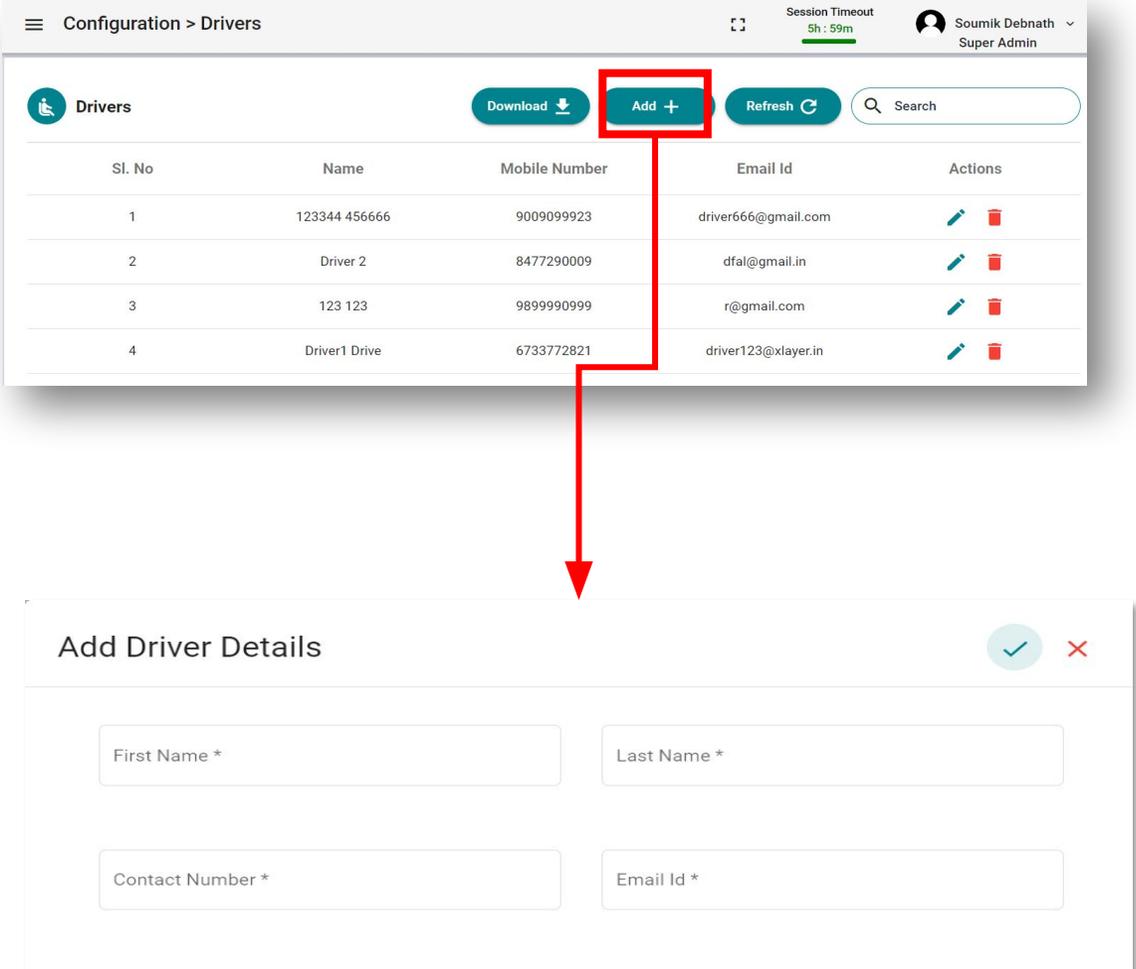
Role \*  
Admin

Permissions  
VIEW

Password \*

# Driver Configuration

- Navigate to Configuration > Drivers
- Click on **Add +** button to add a new driver
- Fill in the mandatory fields – First Name , Last Name, Contact Number and Email ID
- Hit or  to **save** the details of the driver.
- Click on  icon to **edit** the details of the driver.
- Click on  icon to **delete** the details of the driver.
- In the search bar  type in the name of the driver or the phone number to quickly get the details any driver.
- Click on **Download**  to download the details of the drivers as an excel file.

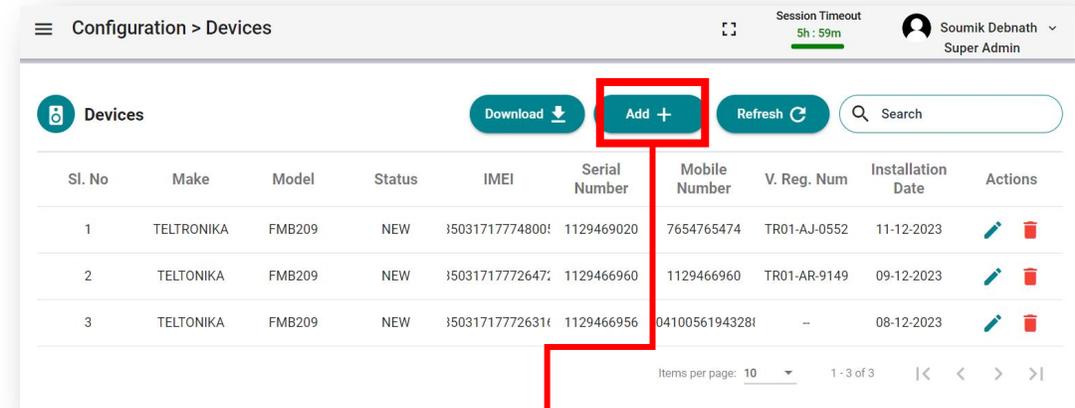


The screenshot displays the 'Configuration > Drivers' page. At the top, there is a navigation bar with 'Configuration > Drivers', a session timeout indicator (5h : 59m), and the user profile (Soumik Debnath, Super Admin). Below the navigation bar, there are three buttons: 'Download', 'Add +', and 'Refresh'. The 'Add +' button is highlighted with a red box, and a red arrow points from it to the 'Add Driver Details' form below. The form contains four input fields: 'First Name \*', 'Last Name \*', 'Contact Number \*', and 'Email Id \*'. The table below the buttons lists four drivers with columns for Sl. No, Name, Mobile Number, Email Id, and Actions.

Sl. No	Name	Mobile Number	Email Id	Actions
1	123344 456666	909099923	driver666@gmail.com	 
2	Driver 2	8477290009	dfal@gmail.in	 
3	123 123	9899990999	r@gmail.com	 
4	Driver1 Drive	6733772821	driver123@xlayer.in	 

# GPS Device Configuration

- Navigate to Configuration > Devices
- Click on **Add +** button to add a new device
- Fill in – IMEI Number, Serial Number, Make and Model which will be available on the device itself.
- Add SIM Number which will be provided by the SIM provider.
- Select the installation date.
- Hit or  to save the details of the device.
- Click on  icon to **edit** the details of the device.
- Click on  con to **delete** the details of the device.
- In the search bar  type in the IMEI number, Serial number, Make, Model, etc. to quickly get the details of any device.
- Click on **Download**  to download the details of the devices as an excel file.



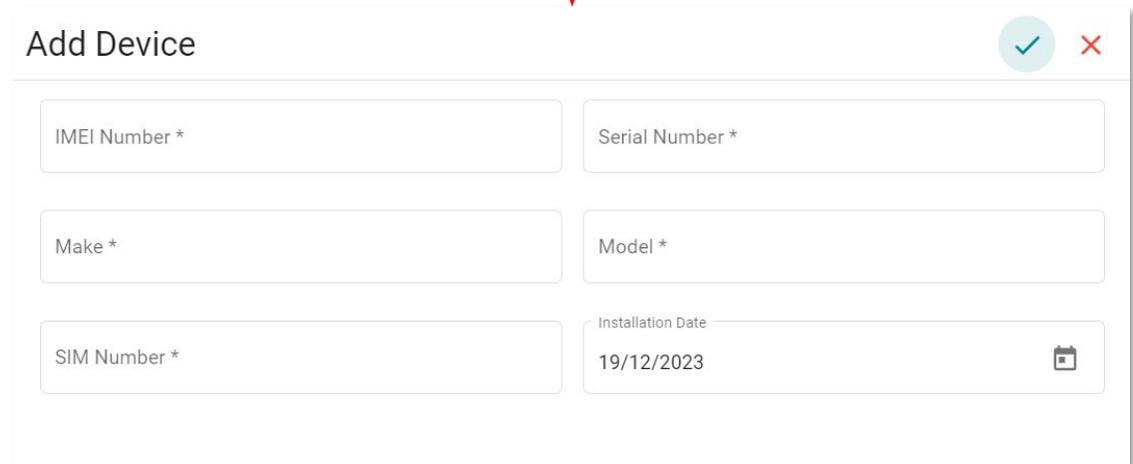
Configuration > Devices

Session Timeout 5h : 59m Soumik Debnath Super Admin

Devices Download Add + Refresh Search

Sl. No	Make	Model	Status	IMEI	Serial Number	Mobile Number	V. Reg. Num	Installation Date	Actions
1	TELTRONIKA	FMB209	NEW	35031717774800!	1129469020	7654765474	TR01-AJ-0552	11-12-2023	 
2	TELTRONIKA	FMB209	NEW	35031717772647!	1129466960	1129466960	TR01-AR-9149	09-12-2023	 
3	TELTRONIKA	FMB209	NEW	35031717772631!	1129466956	0410056194328!	-	08-12-2023	 

Items per page: 10 1 - 3 of 3



### Add Device

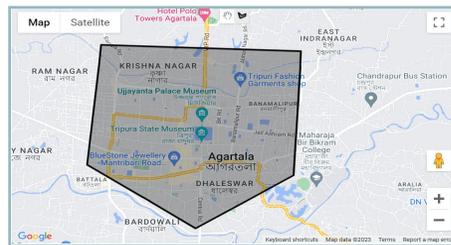
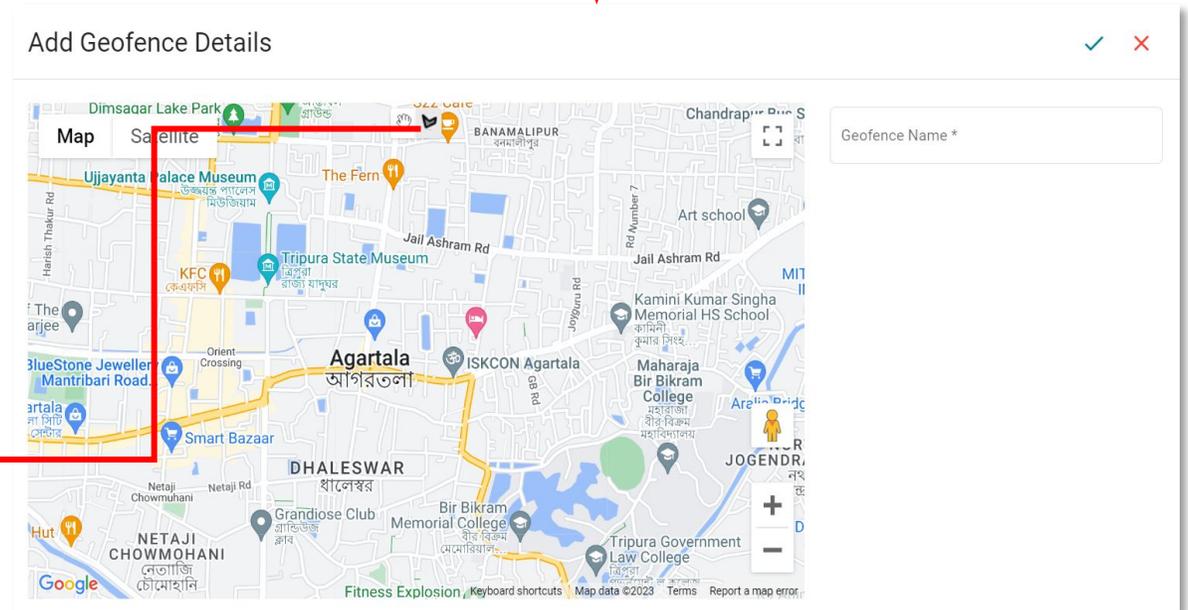
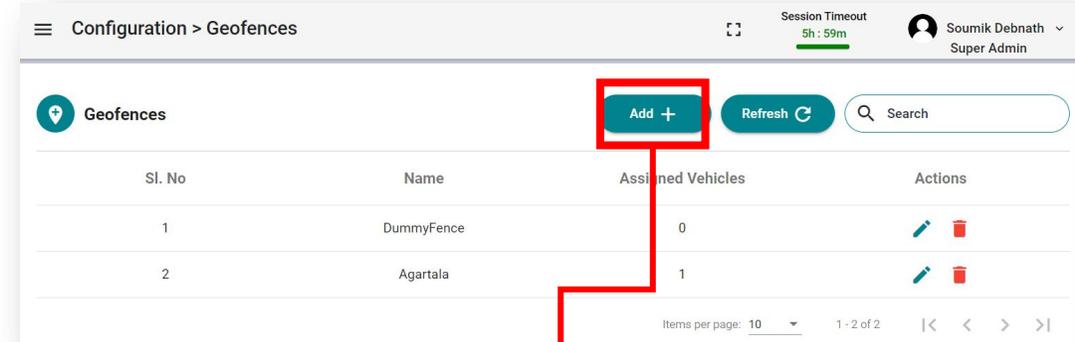
IMEI Number \* Serial Number \*

Make \* Model \*

SIM Number \* Installation Date 19/12/2023

# Geofence Configuration

- Navigate to Configuration > Geofences
- Click on  button to add a new geofence.
- Draw the geofence by clicking on  icon.
- Enter the geofence name.
- Hit on  to save the details of geofence.
- Click on  icon to **edit** the details of geofence.
- Click on  icon to **delete** the details of geofence.
- In the search bar  type in the geofence name to quickly get the details of any geofence.



# Vehicle Configuration

- Navigate to Configuration  Vehicles
- Click on **Add +** button to add a new vehicle.
- Hit on  to save the details of the vehicle.
- Click on  icon to **edit** the details of the vehicle.
- Click on  icon to **delete** the details of the vehicle.
- In the search bar  type in the Reg number, Make, Model, etc. to quickly get the details of any vehicle.
- Click on **Download**  to download the details of vehicle as an excel file.
- Select the status of the device as per the need.
- Select the columns as per the need.

SI No.	Reg. Number	Make	Model	Color	Status	Fuel Type	Mileage	Driver Name	Actions
1	TR08-E-5236	YAMAHA	2023	ORANGE	PARKED	PETROL	35	HoneyWell 3	
2	CH-58-4459	PIAGGIO	APE XTRA LD	GREEN	MOVING	DIESEL	25	Basu Deb Roy	
3	CH-58-4471	PIAGGIO	APE XTRA LD	GREEN	MOVING	DIESEL	25	Sajib Sarkar	
4	CH-63-7215	PIAGGIO	APE XTRA LD	GREEN	MOVING	DIESEL	15	Hriday Das	
5	CH-63-7883	PIAGGIO	APE XTRA LD	GREEN	IDLE	DIESEL	15	Shibu Das	

**Add Vehicle Details**

Registration No \*  Make \*

Model \*  Color \*

Fuel \*  Mileage \*

Driver Name \*  Geofence Name \*

Device \*  Location Source \*

Note: \* - mandatory.

- PETROL
- DIESEL
- CNG
- EV

Select a driver from the list of drivers configured in the system under Configuration  Drivers

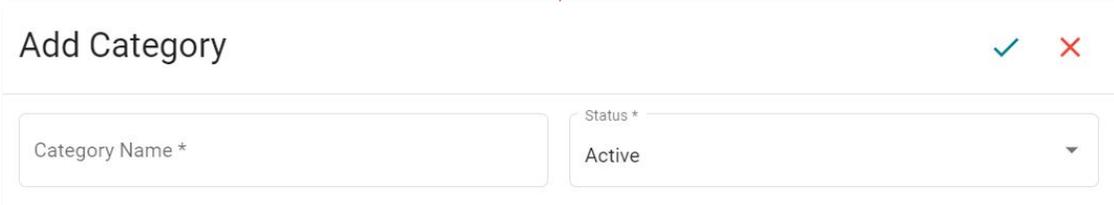
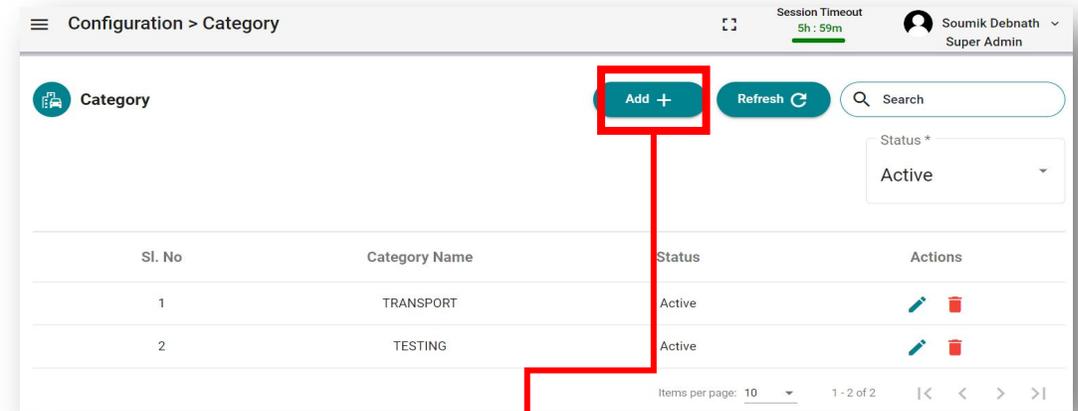
Select a device from the list of devices configured in the system under Configuration  Devices

Select a geofence from the list as configured in the system under - Configuration  Geofences

- Mobile App
- GPS Device

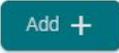
# Category Configuration

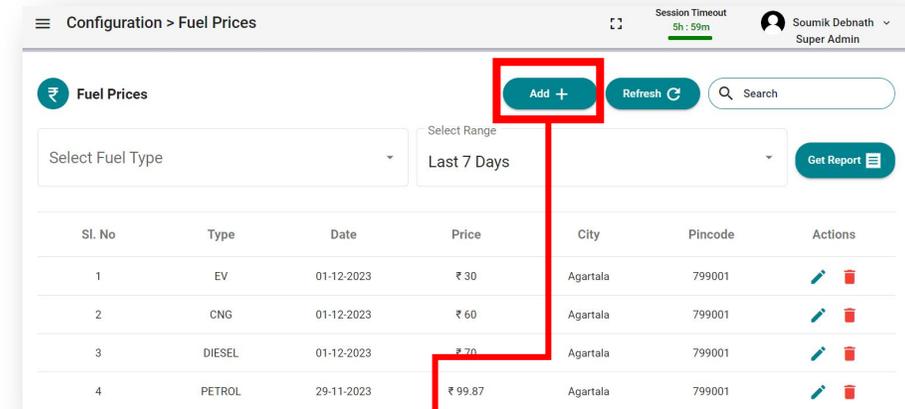
- Navigate to Configuration > Category
- Click on  button to add a new category
- Enter the 'Category Name'.
- Set the status to Active/Disabled from the 'Status' dropdown field
- Hit or  to save the details of the category.
- Click on  icon to **edit** the details of the category.
- Click on  icon to **delete** the details of the category.
- In the search bar  type in the category name to quickly get the details of any category.
- Choose the status of category as per the need from the status dropdown to filter the category details.



The 'Add Category' form is shown below the main table. It has a title 'Add Category' and a search bar. Below the search bar are two input fields: 'Category Name \*' and 'Status \*' (dropdown menu set to 'Active'). There are checkmark and close icons at the top right of the form.

# Fuel Prices Configuration

- Navigate to Configuration  Fuel prices
- Click on  button to add a details of fuel prices.
- Choose the fuel type from the **Type** drop down.
- Add the price of the fuel in the '**Price**' field
- Select the date from which the price is effective.
- Hit or  to save the details of the fuel.
- Click on  icon to **edit** the price of the fuel.
- Click on  con to **delete** the details of the fuel.
- In search bar  type in the Fuel type or Pincode to quickly get the details of fuel prices.
- Select fuel type from
- Select the range as per the need. Scroll down to the bottom to find the custom option in range.
- Click on  to get the details of fuel in the table.



Configuration > Fuel Prices

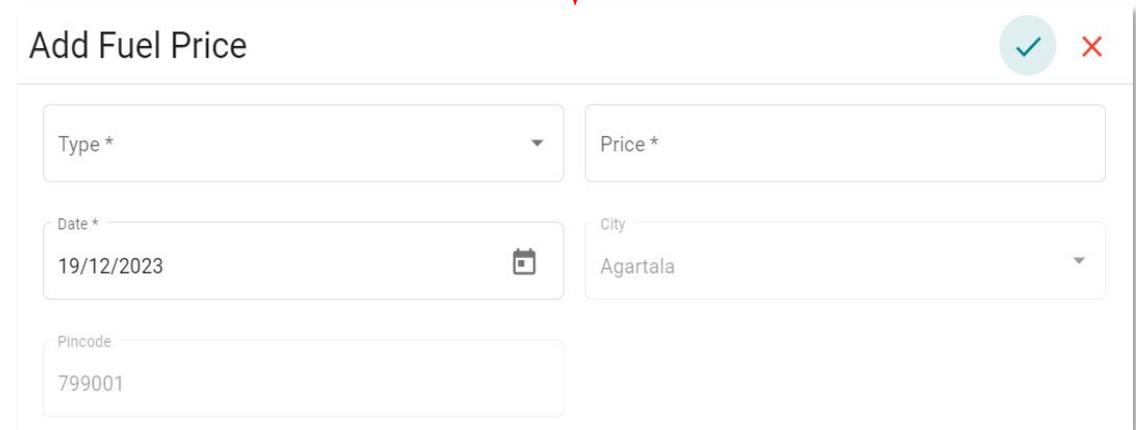
Session Timeout 5h:59m Soumik Debnath Super Admin

Fuel Prices

Add + Refresh Search

Select Fuel Type Select Range Last 7 Days Get Report

Sl. No	Type	Date	Price	City	Pincode	Actions
1	EV	01-12-2023	₹ 30	Agartala	799001	 
2	CNG	01-12-2023	₹ 60	Agartala	799001	 
3	DIESEL	01-12-2023	₹ 70	Agartala	799001	 
4	PETROL	29-11-2023	₹ 99.87	Agartala	799001	 



Add Fuel Price

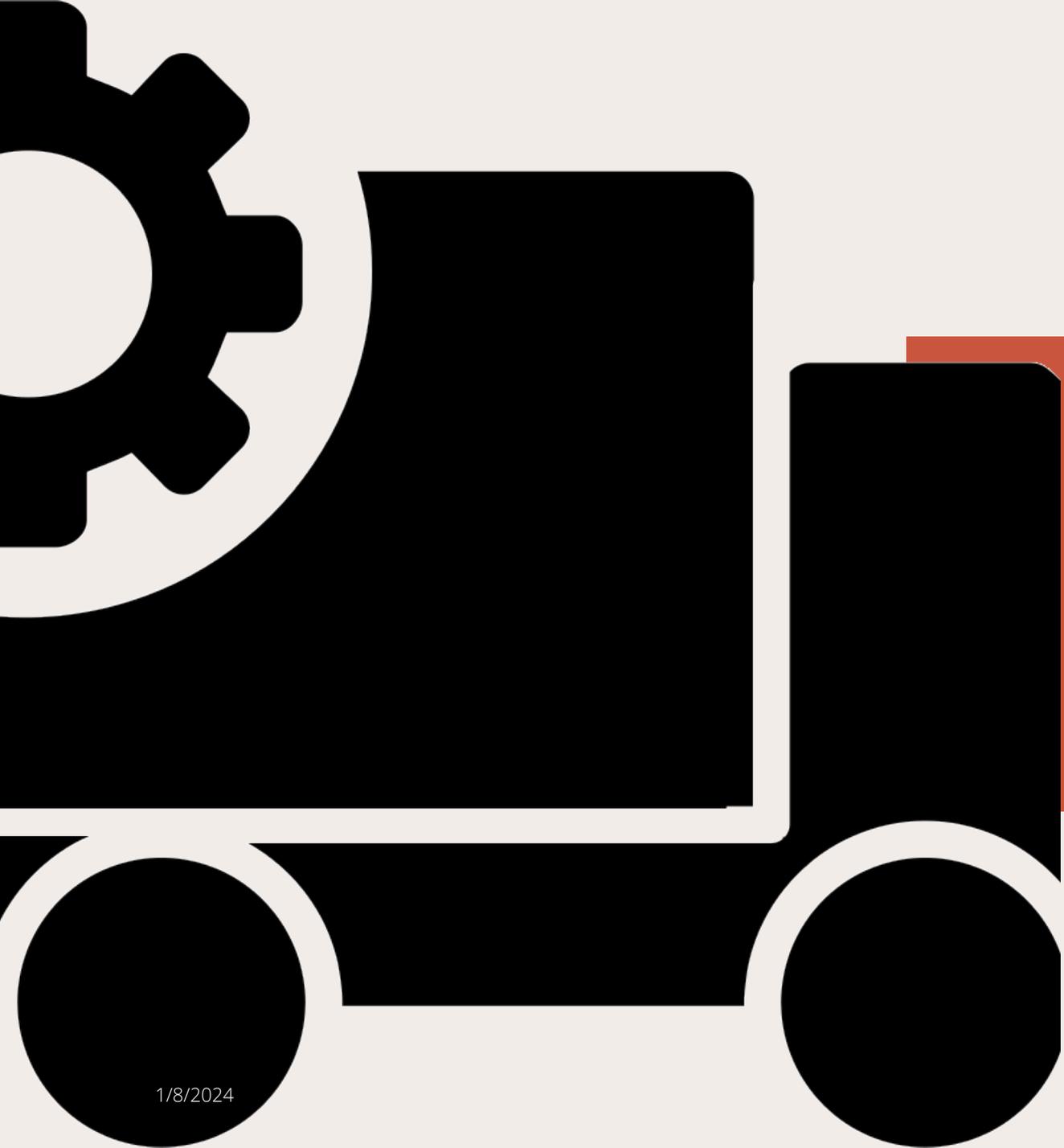
Type \* Price \*

Date \* City

19/12/2023 Agartala

Pincode

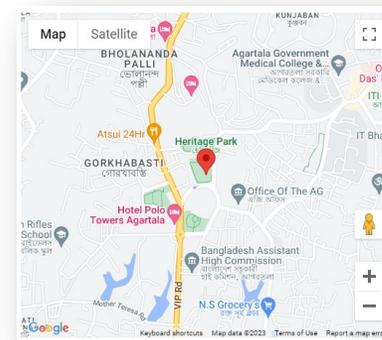
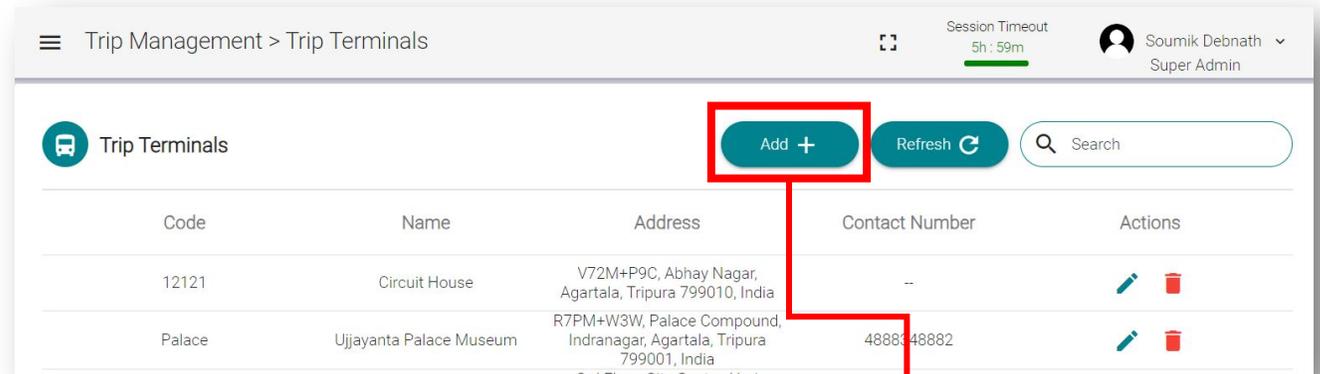
799001



# TRIP MANAGEMENT

# Trip Terminals

- Navigate to Trip Management > Trip Terminals
- Click on **Add +** button to add a new Trip Terminal.
- Choose the terminal by clicking on the map.
- Longitude, latitude and address will get automatically filled up.
- Fill in the trip point name, code and contact number as applicable.
- Hit on  to save the details.
- Click on  icon to **edit** the details of the trip terminals.
- Click on  icon to **delete** the details of the trip terminal.
- In the search bar  type in the Code or Name or Address of a trip to quickly get the details of any trip terminal.



### Add Trip Terminal

# Trip Stops

- Navigate to Trip Management > Trip Stops
- Click on **Add +** button to add a new Stop location.
- Fill in the mandatory fields – Trip Stop Name , Contact Number, Latitude/ Longitude, Address
- Hit on  to save the details.
- Once saved the location is plotted on the map
- Click on  icon to **edit** the details of the trip stops.
- Click on  icon to **delete** the details of the trip stops.
- In the search bar  type in the Trip stop name or Address or PIS Display IP to quickly get the details of any Trip Stop.

Trip Management > Trip Stops

Session Timeout 5h : 59m Soumik Debnath Super Admin

**Trip Stops** **Add +** Refresh Search

Name	Address	Contact Number	PIS Display IP	Actions
CIRCUIT HOUSE	V72M+P9C, Abhay Nagar, Agartala, Tripura 799010, India	--	--	 
RADHANAGAR	Radha Nagar Bus Station, Radha Nagar, Agartala, Tripura 799010, India	7655887797	--	 
COLONEL CHOWMOHONI	R70H+SW5, Colonel Mahim Thakur Sarani, Krishna Nagar, Agartala, Tripura 799002, India	2234343222	--	 

Add Trip Stop

Map Satellite Terrain

Trip Stop Name \* Contact Number

Latitude \* Longitude \*

Address \*

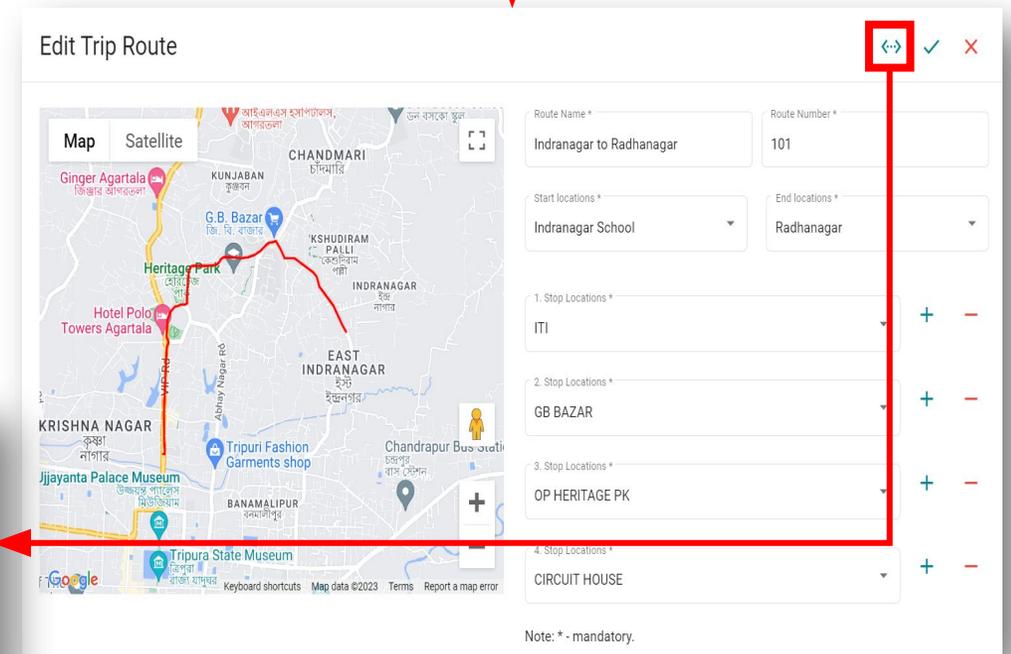
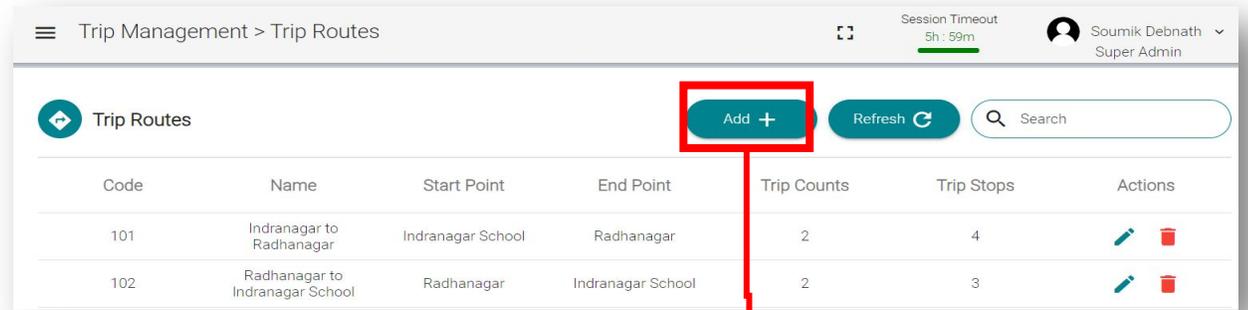
PIS Display IP

Map data ©2023



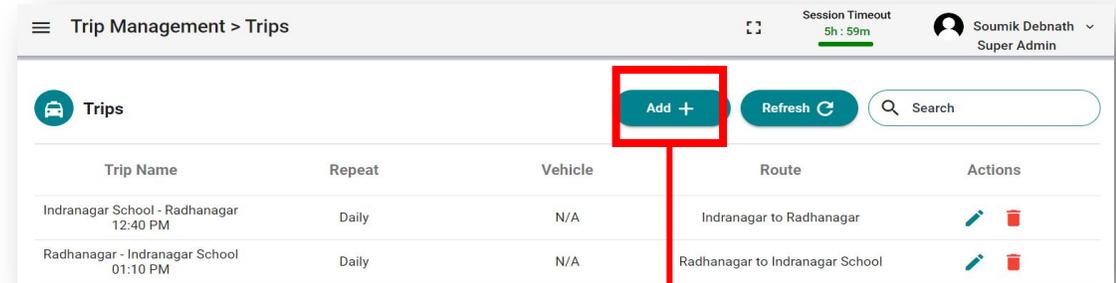
# Trip Routes

- Navigate to Trip Management > Trip Routes
- Click on  button to add a new Trip Route
- Fill in the mandatory fields
  - ✓ Route Name
  - ✓ Start Location – Select dropdown based on Trip Terminals configured in the system
  - ✓ End Location- Select dropdown based on Trip Terminals configured in the system
  - ✓ Stop Location – Select dropdown value based on the Trip Stops configured in the system
- Click on  icon to add multiple stops to the Route
- Click on  icon to remove a stop from the Route
- Click on  icon to enlarge the route
- Hit on  to save the details.
- In the search bar  type in the Route name or Start point or End point to quickly get the details of any Trip Routes.



# Trips

- Navigate to Trip Management > Trips
- Click on  button to add a new Trip
- Choose repeat type.
- Select the route
- Select start time
- Add the estimated trip duration in hours
- Choose the vehicle registration number.
- Hit on  to save the trip.
- Click on  to edit the details of the trip.
- Click on  to delete the details of the trip.
- In the search bar  type in the Location or Repeat type or the Vehicle Reg number to quickly get the details of any trip.

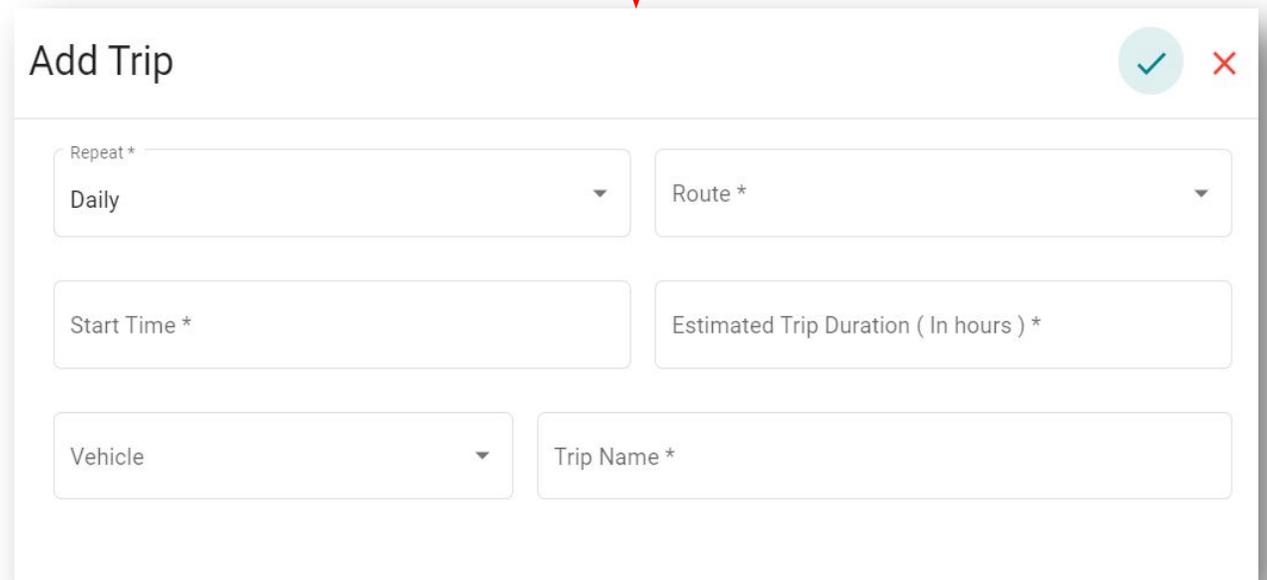


Trip Management > Trips

Session Timeout 5h : 59m Soumik Debnath Super Admin

 Trips  

Trip Name	Repeat	Vehicle	Route	Actions
Indranagar School - Radhanagar 12:40 PM	Daily	N/A	Indranagar to Radhanagar	 
Radhanagar - Indranagar School 01:10 PM	Daily	N/A	Radhanagar to Indranagar School	 



## Add Trip

Repeat \*

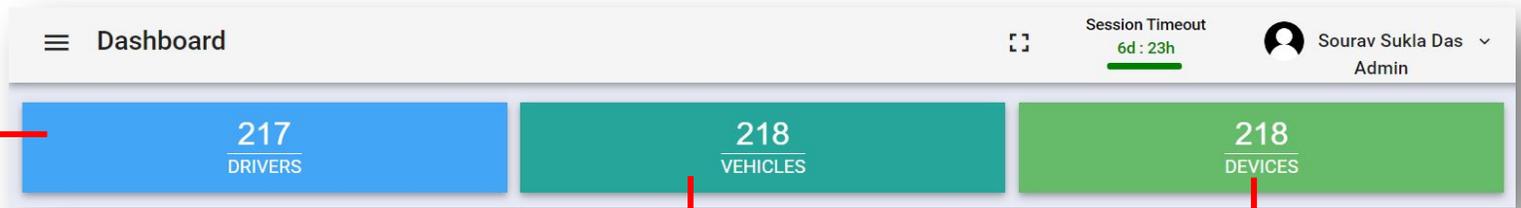
Start Time \*  Estimated Trip Duration ( In hours ) \*

Vehicle  Trip Name \*



# DASHBOARD AND LIVE TRACKING

# Dashboard

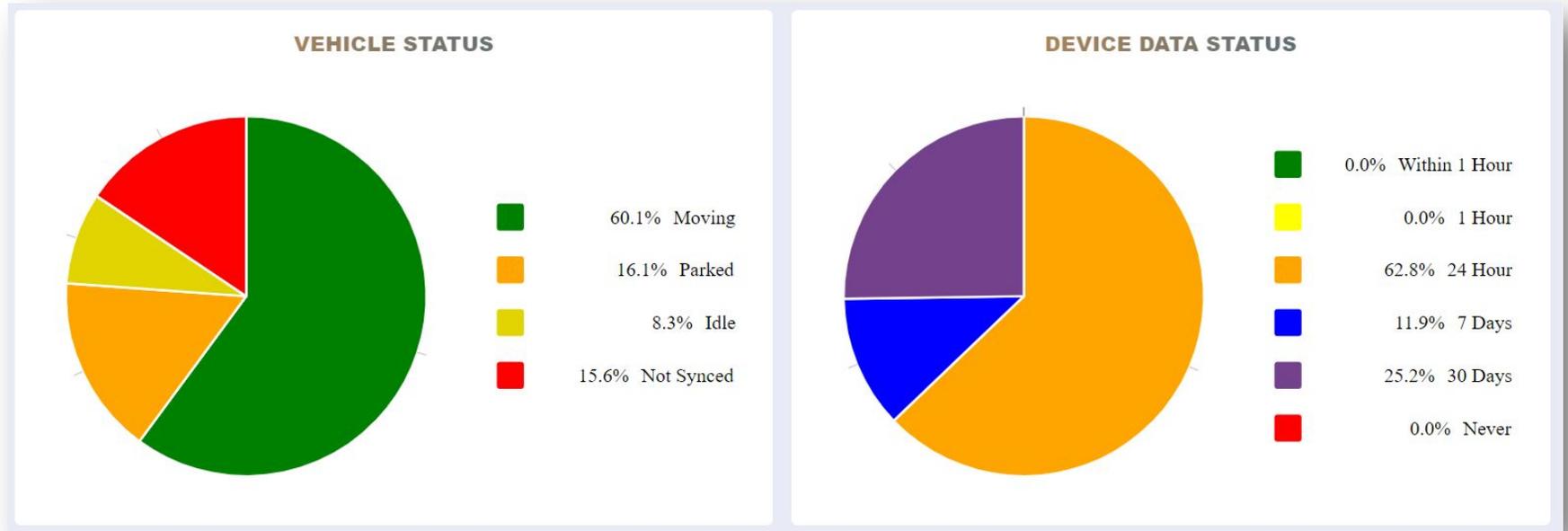


Total number of registered drivers

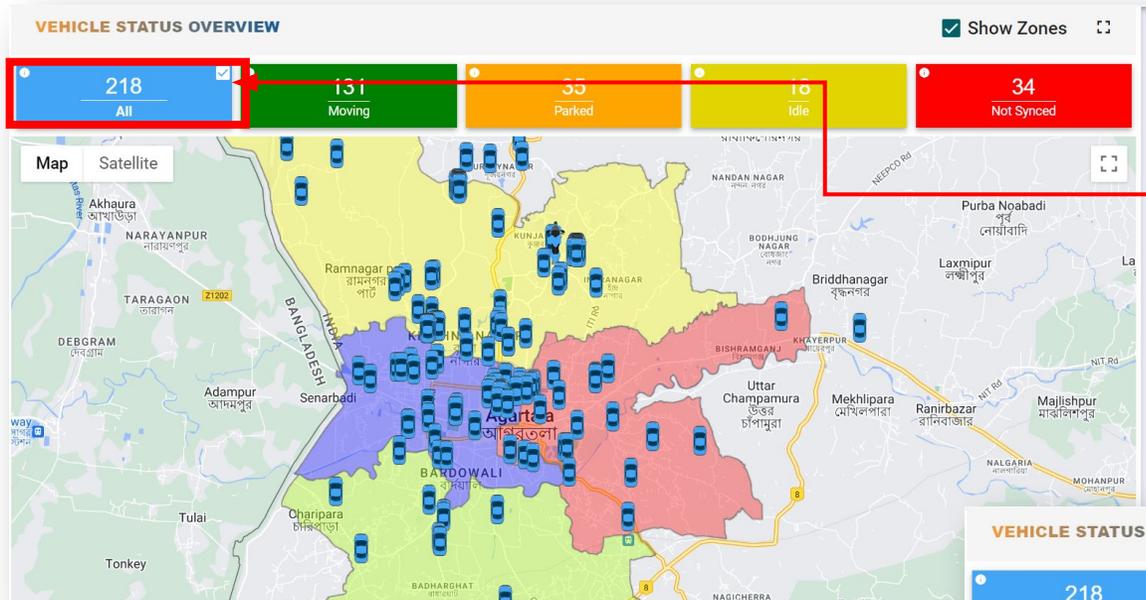
Total number of registered vehicles

Total number of registered devices

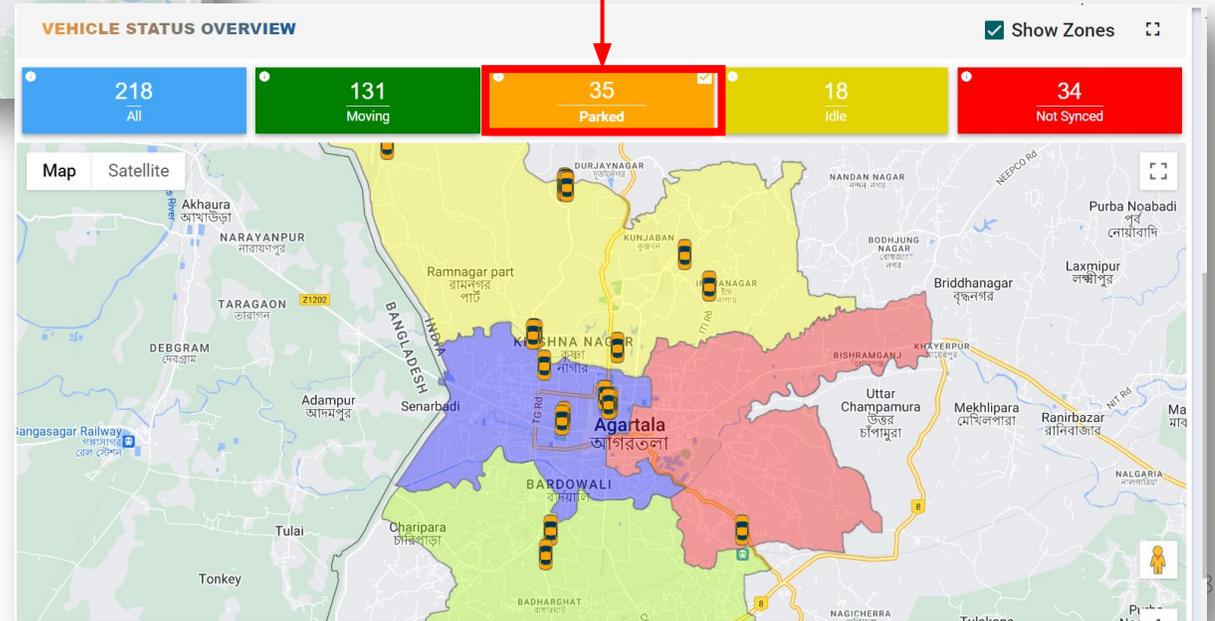
The pie charts display a overall segregation of Vehicles and Devices based on various status.



# Dashboard Contd.



Click on any of the **Status** to track the vehicles on a real time basis under **Vehicle Status Overview** section.



# Live Tracking

Click on **Live Track** to track the vehicles on a real time basis.

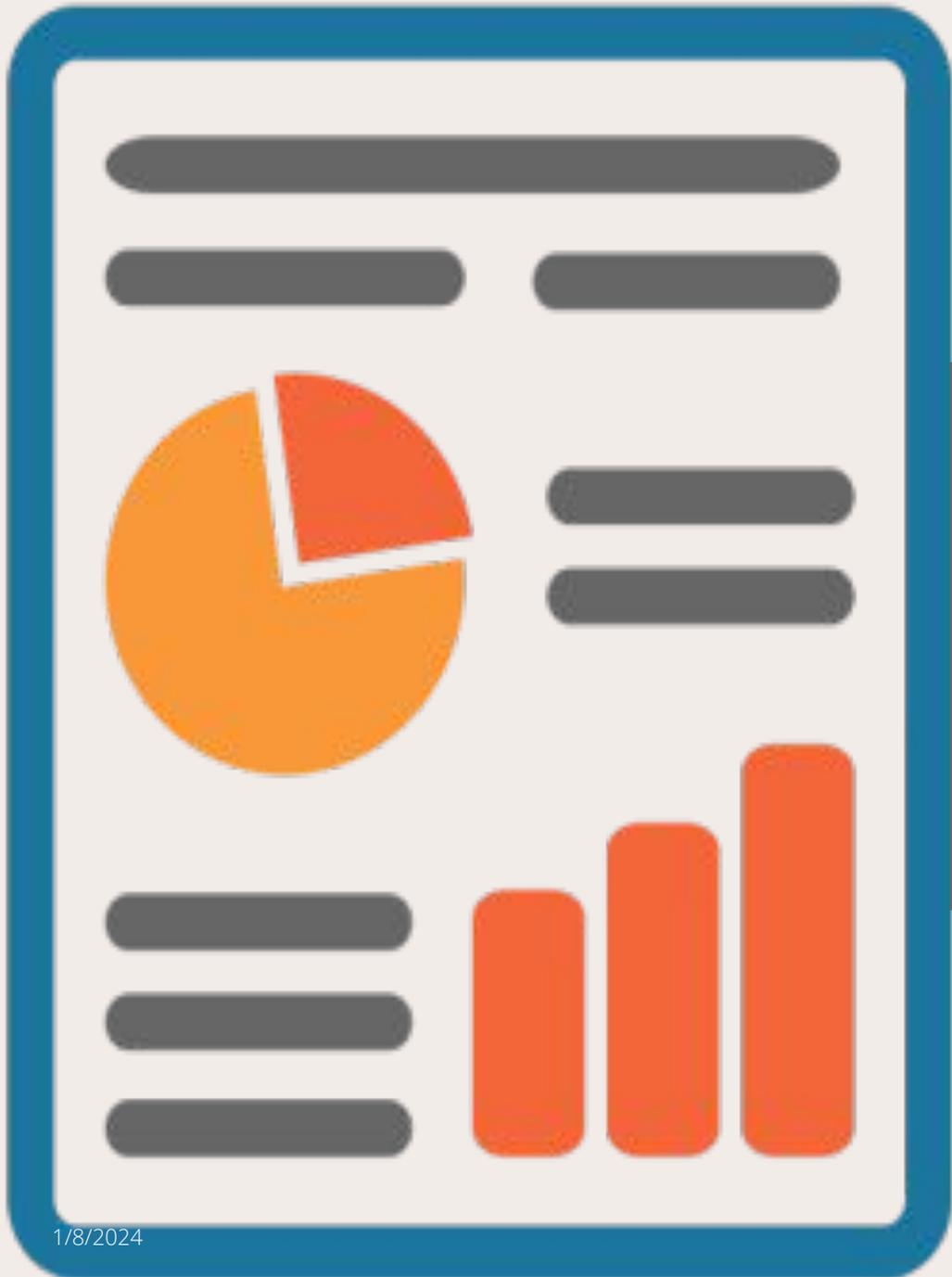
The admin can **search** the Vehicle Numbers that they want to track.

The admin can also **select** the Category to filter the data they want.

The screenshot displays a web application interface for live tracking. At the top, there is a navigation bar with a hamburger menu, the text "Live Track", a session timeout indicator showing "6d : 23h", and a user profile for "Sourav Sukla Das" with the role "Admin". Below the navigation bar, there is a search bar and a filter button labeled "OFFICIAL CAR". A list of vehicle numbers is shown on the left, each with a checkbox, a key icon, and a signal strength icon. The map on the right shows a geographical area with various locations labeled in English and Bengali, including Singarbil, Maharaja Bir Bikram Airport, Akhaura, Senarbadia, Charipara, and many others. Several vehicle icons are plotted on the map, corresponding to the numbers in the list. The bottom of the map shows keyboard shortcuts, map data copyright (©2023), and links for terms and reporting errors.

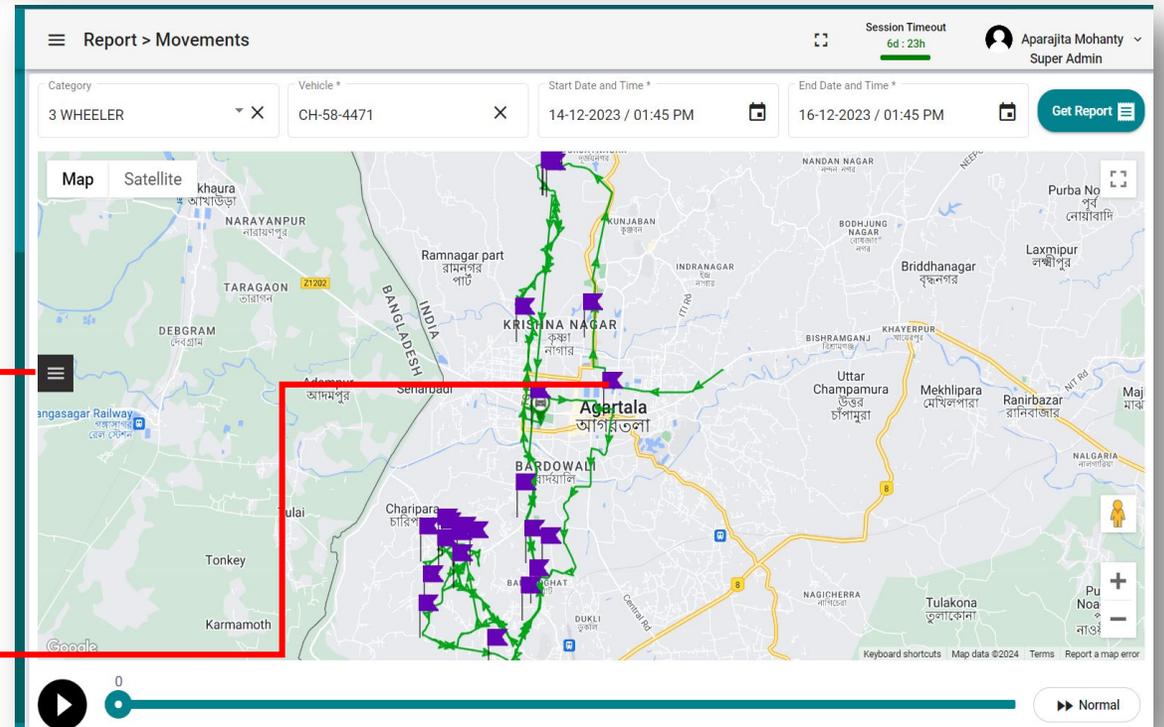
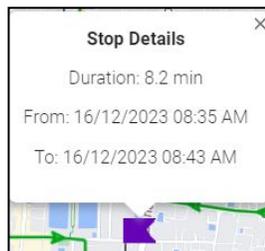
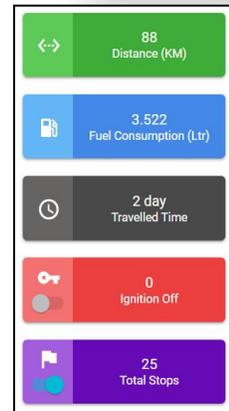
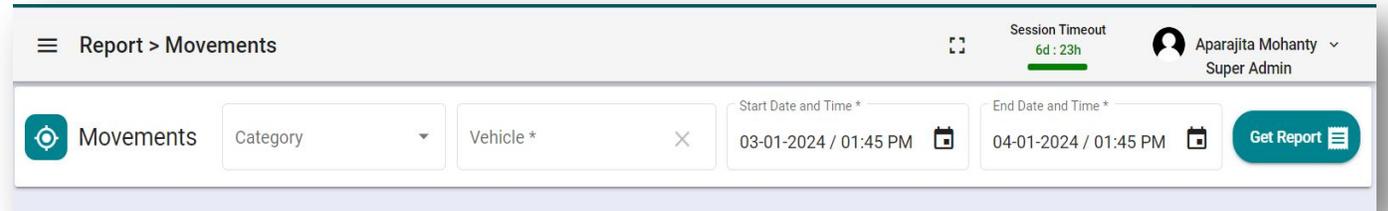
Vehicle Number	Category	Status
<input type="checkbox"/> TR01-AU-0406	Official Car	Active
<input type="checkbox"/> TR01-AS-0387	Official Car	Active
<input type="checkbox"/> TR01-AM-0587	Official Car	Active
<input type="checkbox"/> TR01-AH-0232	Official Car	Active
<input type="checkbox"/> TR01-AD-0712	Official Car	Active
<input type="checkbox"/> TR01-G-3612	Official Car	Active
<input type="checkbox"/> TR01-BY-0401	Official Car	Active
<input type="checkbox"/> TR01-AN-0739	Official Car	Active
<input type="checkbox"/> TR01-AY-0243	Official Car	Active
<input type="checkbox"/> TR01-BQ-0755	Official Car	Active

# REPORTS



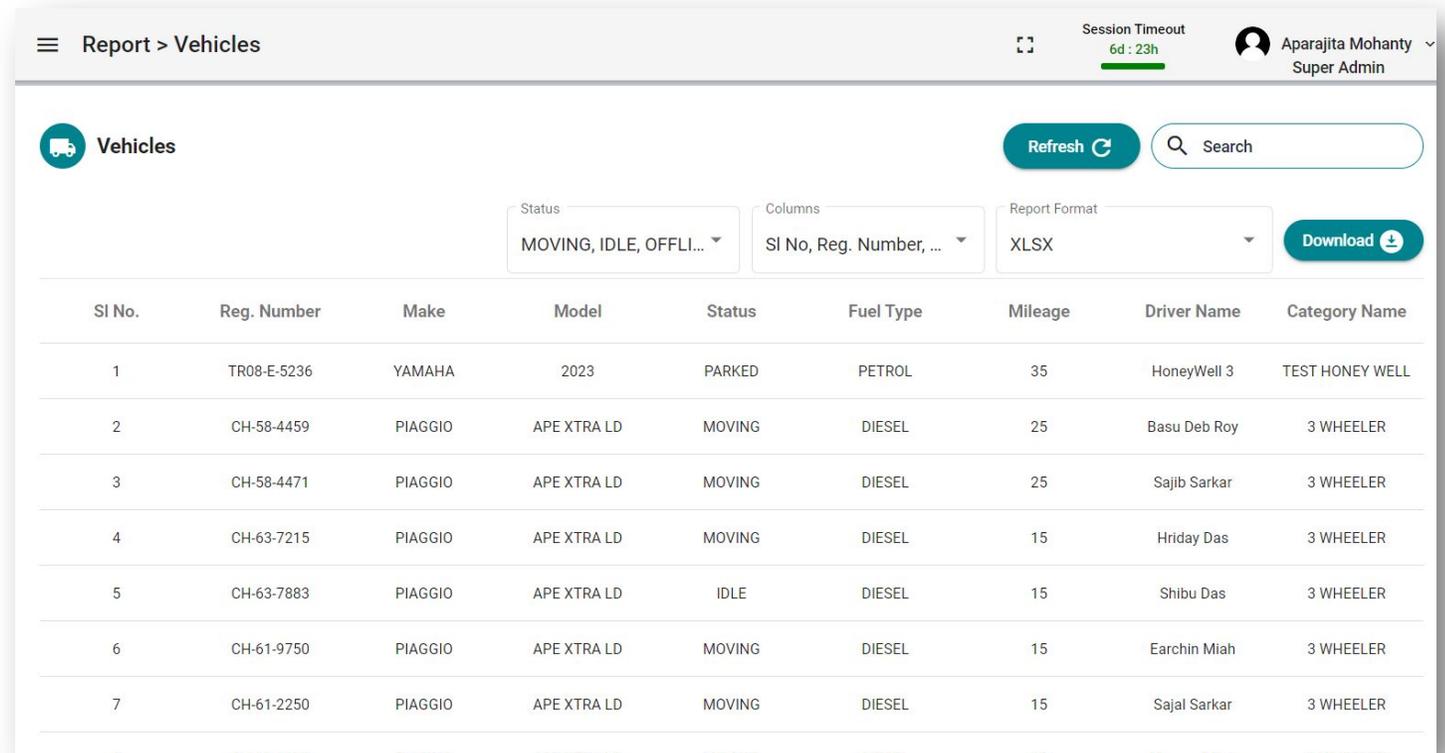
# Movements Report

- Navigate to Reports > Movements
- Select a Category from the 'Category' dropdown list
- Select a Vehicle from the 'Vehicle' dropdown list
- Select an appropriate 'Start Date' and 'End Date'
- Click on  System shall display the path traced by the vehicle  the map.
- Click on  to get details of that stop.
- Click on  to play the movement.
- Click on  to increase the speed of the movement.



# Vehicles Report

- Navigate to Reports > Vehicles
- Select the status of vehicles from the 'Status' dropdown list.
- Select the columns as per the need from the 'Columns' dropdown list.
- Choose the required report format.
- Click on  to download the report according to the chosen format.
- In the search bar  type in Reg number or Make or Status, etc. to quickly get the results of the vehicles.

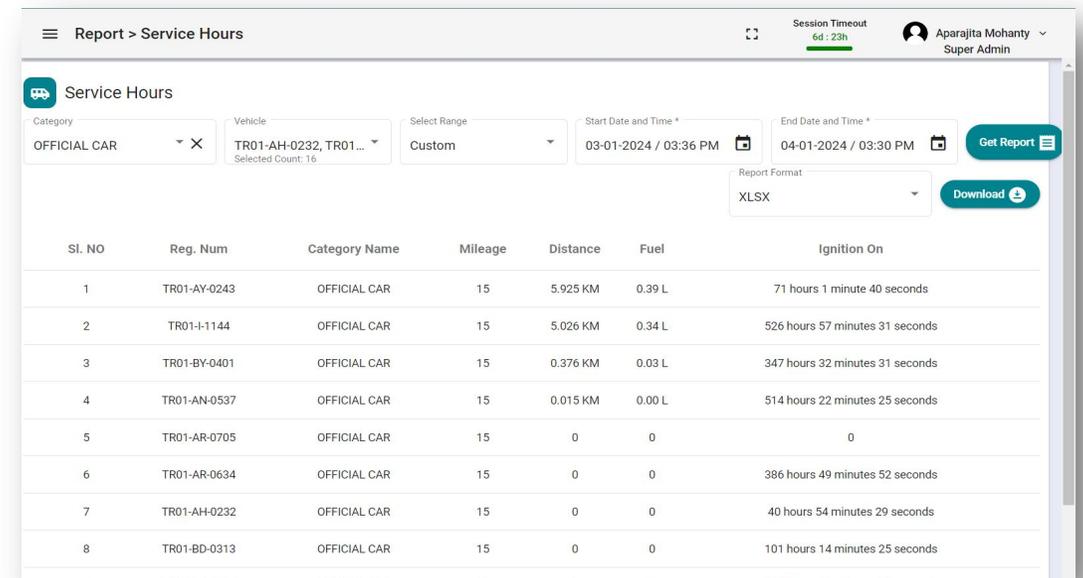
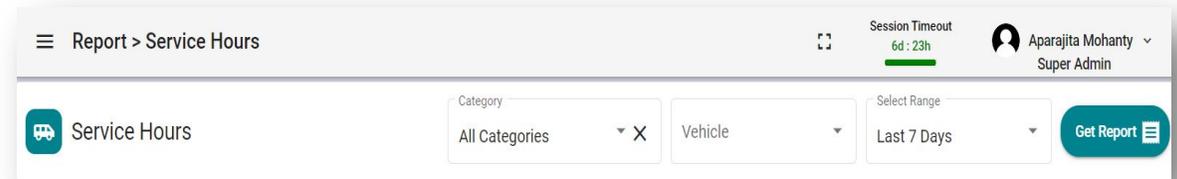


The screenshot shows a web application interface for generating a Vehicles Report. At the top, there is a breadcrumb 'Report > Vehicles', a session timeout indicator '6d : 23h', and a user profile for 'Aparajita Mohanty Super Admin'. Below the header, there is a 'Vehicles' section with a truck icon. To the right of this section are three dropdown menus: 'Status' (set to 'MOVING, IDLE, OFFLI...'), 'Columns' (set to 'SI No, Reg. Number, ...'), and 'Report Format' (set to 'XLSX'). There are also 'Refresh' and 'Download' buttons. A search bar is located to the right of the dropdowns. Below these controls is a table with the following columns: SI No., Reg. Number, Make, Model, Status, Fuel Type, Mileage, Driver Name, and Category Name. The table contains 7 rows of data.

SI No.	Reg. Number	Make	Model	Status	Fuel Type	Mileage	Driver Name	Category Name
1	TR08-E-5236	YAMAHA	2023	PARKED	PETROL	35	HoneyWell 3	TEST HONEY WELL
2	CH-58-4459	PIAGGIO	APE XTRA LD	MOVING	DIESEL	25	Basu Deb Roy	3 WHEELER
3	CH-58-4471	PIAGGIO	APE XTRA LD	MOVING	DIESEL	25	Sajib Sarkar	3 WHEELER
4	CH-63-7215	PIAGGIO	APE XTRA LD	MOVING	DIESEL	15	Hriday Das	3 WHEELER
5	CH-63-7883	PIAGGIO	APE XTRA LD	IDLE	DIESEL	15	Shibu Das	3 WHEELER
6	CH-61-9750	PIAGGIO	APE XTRA LD	MOVING	DIESEL	15	Earchin Miah	3 WHEELER
7	CH-61-2250	PIAGGIO	APE XTRA LD	MOVING	DIESEL	15	Sajal Sarkar	3 WHEELER

# Service Hours Report

- Navigate to Reports  Service Hours
- Select the category from the 'Category' dropdown list.
- Select the vehicle registration number from the 'Vehicle' dropdown list.
- Select the range from 'Select Range' dropdown list. Scroll down to bottom to find the custom option in the range.
- Click on  System shall display the service hours report for the vehicles chosen.
- Choose the required report format.
- Click on  to download the report according to the chosen format.
- In the search bar  type in Reg number or Make or Status, etc. to quickly get the results of the service hours of vehicles.



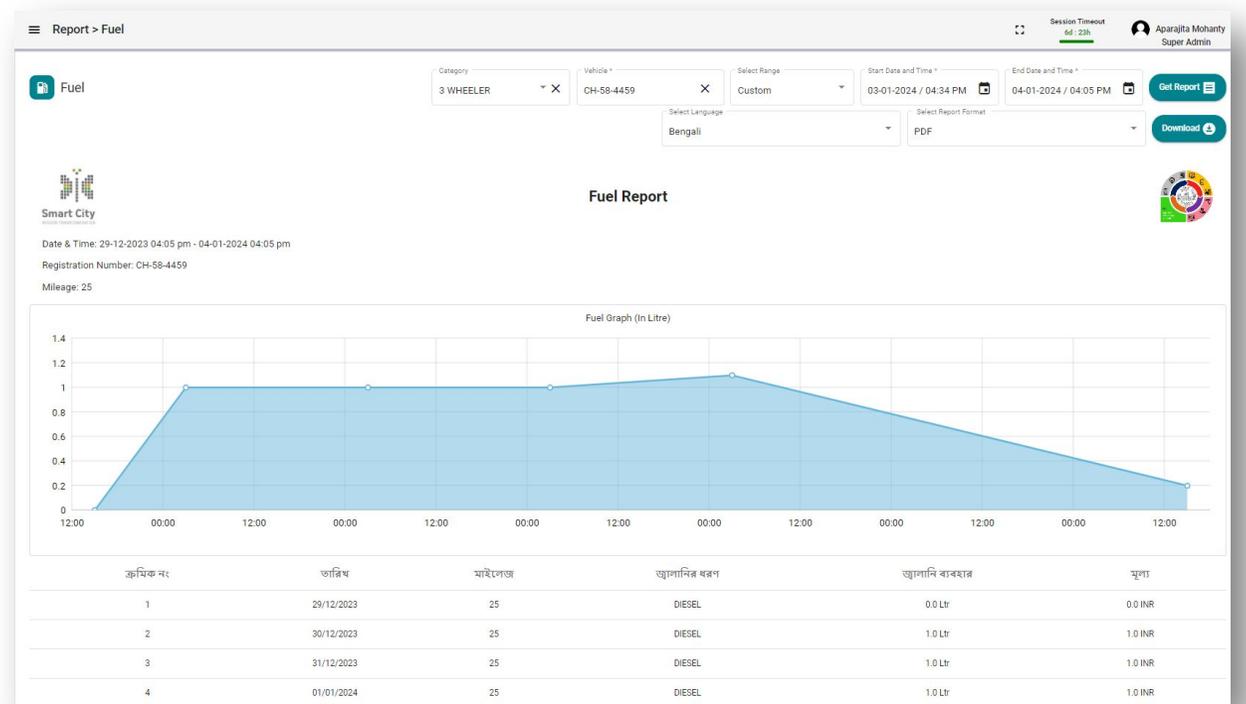
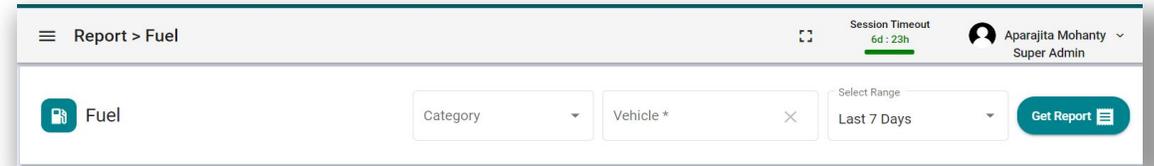
The screenshot shows the main report area with a table of vehicle data. The table has columns for 'Sl. NO', 'Reg. Num', 'Category Name', 'Mileage', 'Distance', 'Fuel', and 'Ignition On'. The data is as follows:

Sl. NO	Reg. Num	Category Name	Mileage	Distance	Fuel	Ignition On
1	TR01-AY-0243	OFFICIAL CAR	15	5.925 KM	0.39 L	71 hours 1 minute 40 seconds
2	TR01-I-1144	OFFICIAL CAR	15	5.026 KM	0.34 L	526 hours 57 minutes 31 seconds
3	TR01-BY-0401	OFFICIAL CAR	15	0.376 KM	0.03 L	347 hours 32 minutes 31 seconds
4	TR01-AN-0537	OFFICIAL CAR	15	0.015 KM	0.00 L	514 hours 22 minutes 25 seconds
5	TR01-AR-0705	OFFICIAL CAR	15	0	0	0
6	TR01-AR-0634	OFFICIAL CAR	15	0	0	386 hours 49 minutes 52 seconds
7	TR01-AH-0232	OFFICIAL CAR	15	0	0	40 hours 54 minutes 29 seconds
8	TR01-BD-0313	OFFICIAL CAR	15	0	0	101 hours 14 minutes 25 seconds

Below the table, there is a 'Report Format' dropdown menu set to 'XLSX' and a 'Download' button.

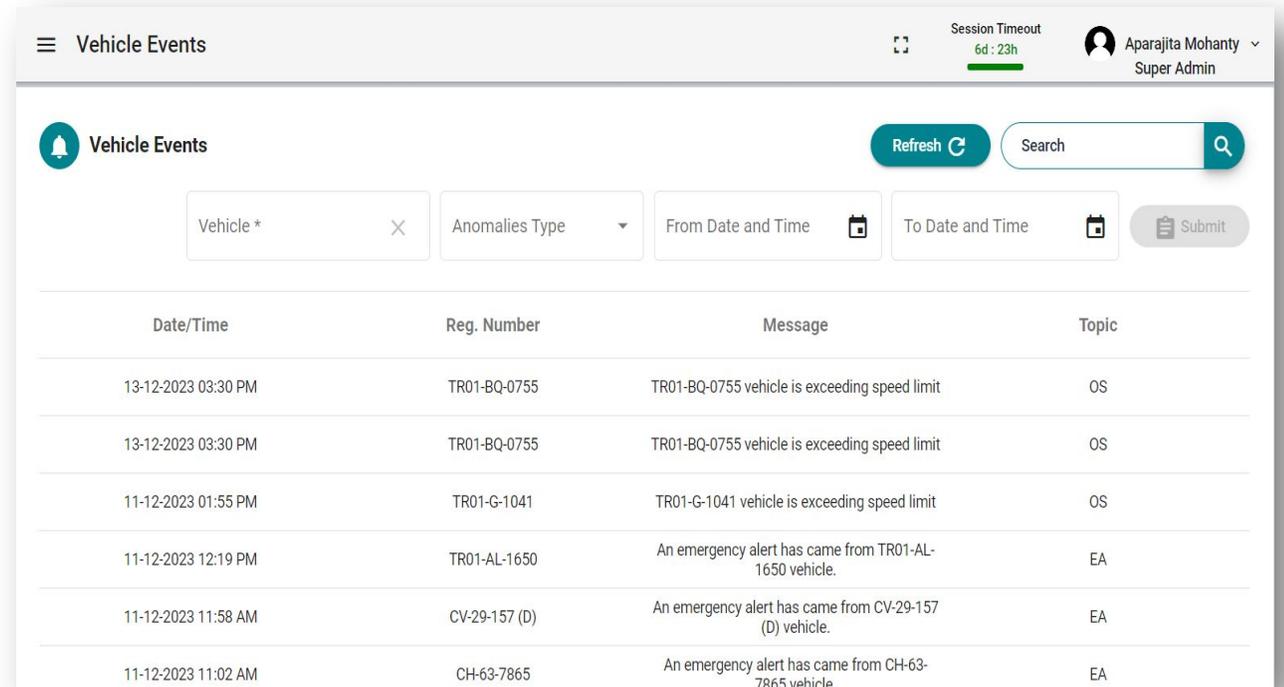
# Fuel Report

- Navigate to Reports  Fuel.
- Select a category from the 'Category' dropdown list.
- Select a Vehicle from the 'Vehicle' dropdown list.
- Select the range form the 'Range' dropdown list. Scroll down to the bottom to find the custom option in the range.
- Select an appropriate 'Start Date' and 'End Date'
- Click on  System shall display the fuel consumption of the vehicle during the time period selected.
- Select the desired language.
- Select the report format.
- Click on  to download the reports.



# Vehicle Events Report

- Navigate to Reports  Vehicle Events.
- Select a Vehicle from the '**Vehicle**' dropdown list.
- Select an appropriate '**Start Date**' and '**End Date**'
- Click on  System shall display the vehicle events during the time period selected.
- Click on  to clear the values given in the fields.
- Select the desired language.
- Select the report format.
- In the search bar  type in the Reg Number to search



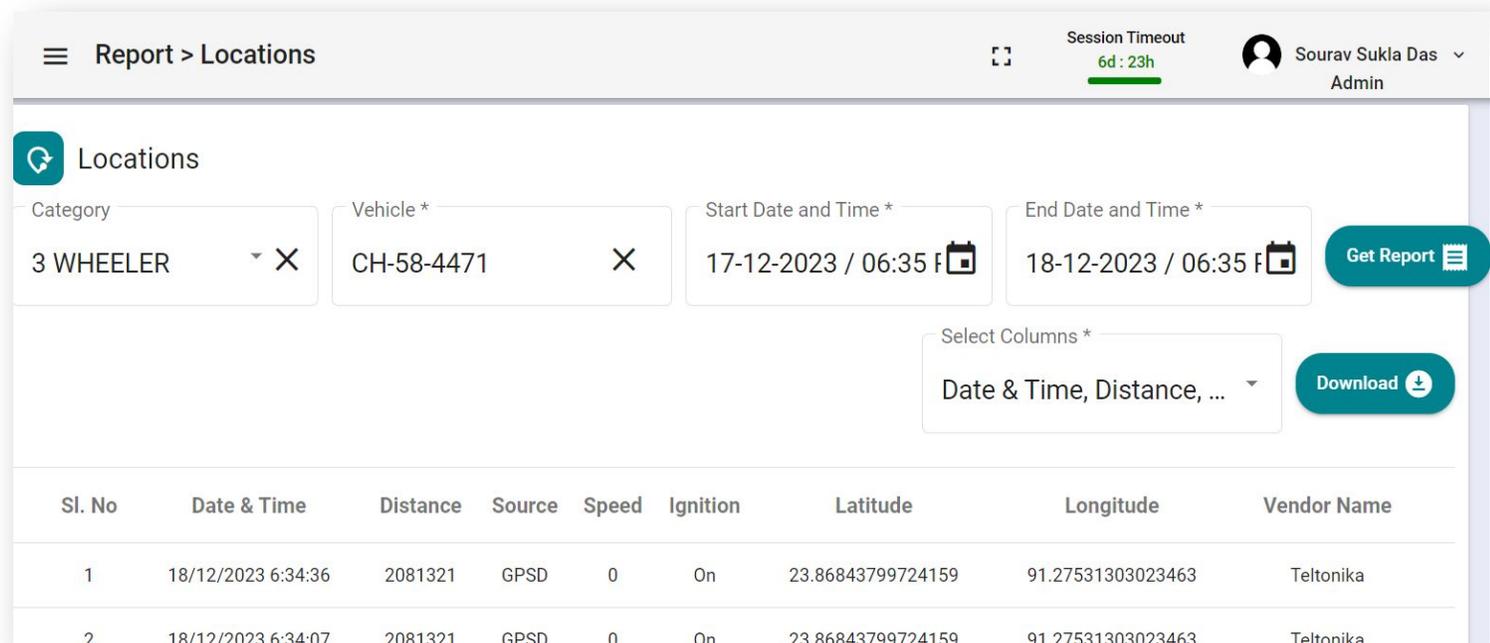
The screenshot shows the 'Vehicle Events' report interface. At the top, there is a navigation menu with 'Vehicle Events', a session timeout indicator (6d : 23h), and the user profile (Aparajita Mohanty, Super Admin). Below the navigation, there is a 'Vehicle Events' section with a 'Refresh' button and a search bar. The main content area contains a form with fields for 'Vehicle \*', 'Anomalies Type', 'From Date and Time', and 'To Date and Time', along with a 'Submit' button. Below the form is a table displaying the vehicle events.

Date/Time	Reg. Number	Message	Topic
13-12-2023 03:30 PM	TR01-BQ-0755	TR01-BQ-0755 vehicle is exceeding speed limit	OS
13-12-2023 03:30 PM	TR01-BQ-0755	TR01-BQ-0755 vehicle is exceeding speed limit	OS
11-12-2023 01:55 PM	TR01-G-1041	TR01-G-1041 vehicle is exceeding speed limit	OS
11-12-2023 12:19 PM	TR01-AL-1650	An emergency alert has come from TR01-AL-1650 vehicle.	EA
11-12-2023 11:58 AM	CV-29-157 (D)	An emergency alert has come from CV-29-157 (D) vehicle.	EA
11-12-2023 11:02 AM	CH-63-7865	An emergency alert has come from CH-63-7865 vehicle.	EA

# Locations Report

- Navigate to Reports > Locations
- Select a Category from the 'Category' dropdown list
- Select a Vehicle from the 'Vehicle' dropdown list
- Select an appropriate 'Start Date' and 'End Date'
- Click on **Get Report** - System shall display the location of the vehicle listed on the map.

Download 



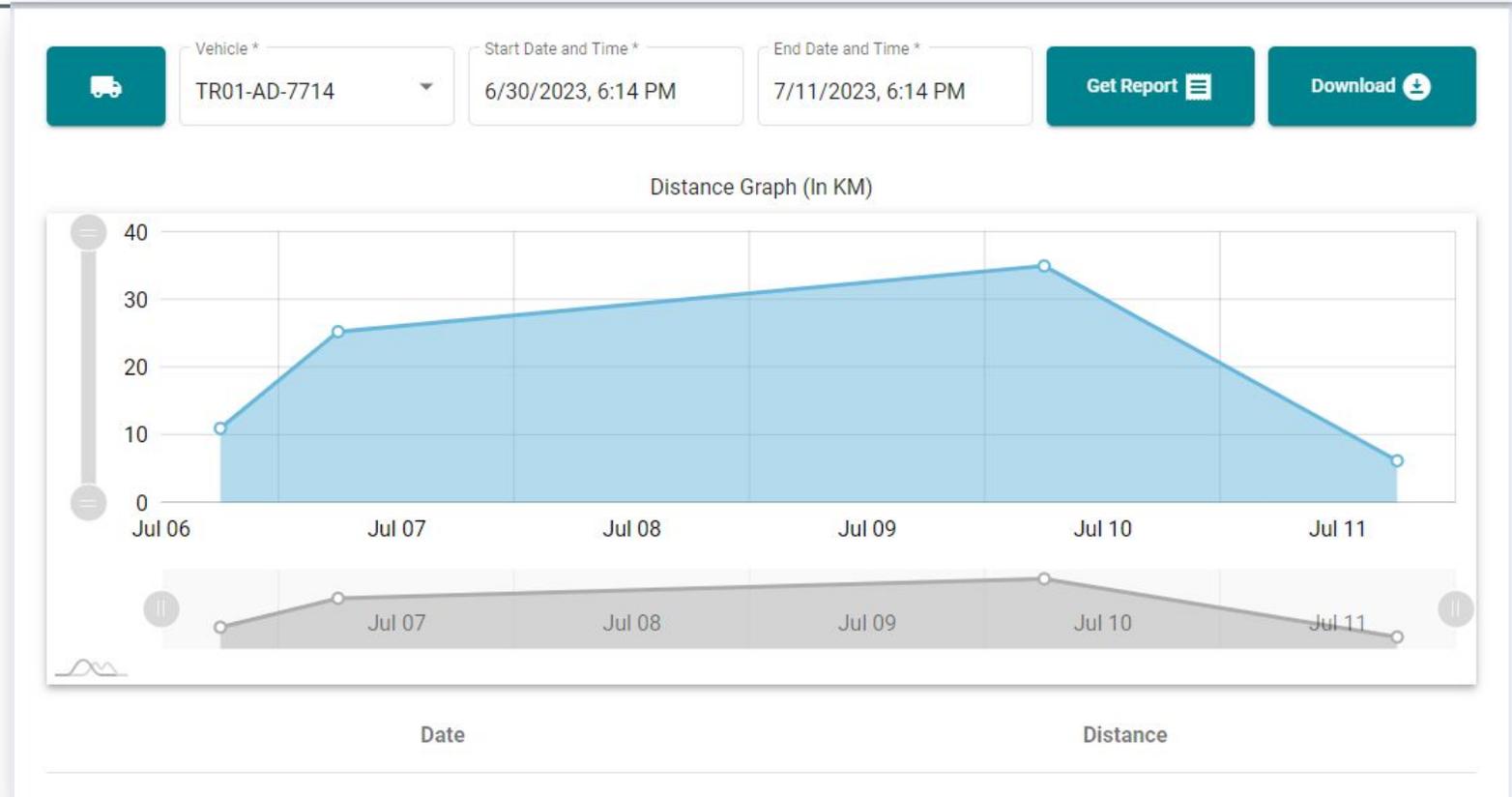
The screenshot shows the 'Report > Locations' interface. At the top, there is a navigation bar with a menu icon, the title 'Report > Locations', a session timeout indicator '6d : 23h', and a user profile for 'Sourav Sukla Das Admin'. Below the navigation bar, there is a section titled 'Locations' with a refresh icon. The main area contains several filter fields: 'Category' (3 WHEELER), 'Vehicle \*' (CH-58-4471), 'Start Date and Time \*' (17-12-2023 / 06:35 F), and 'End Date and Time \*' (18-12-2023 / 06:35 F). There are 'Get Report' and 'Download' buttons. Below the filters, there is a 'Select Columns \*' dropdown menu showing 'Date & Time, Distance, ...'. At the bottom, there is a table with the following data:

Sl. No	Date & Time	Distance	Source	Speed	Ignition	Latitude	Longitude	Vendor Name
1	18/12/2023 6:34:36	2081321	GPSD	0	On	23.86843799724159	91.27531303023463	Teltonika
2	18/12/2023 6:34:07	2081321	GPSD	0	On	23.86843799724159	91.27531303023463	Teltonika

# Distance Report

- Select a Vehicle from the 'Vehicle' dropdown list
- Select an appropriate 'Start Date' and 'End Date'
- Click on **Get Report** - System shall display the distance the vehicle has traversed during the time period selected.
- Click on '**Download**' to download the report

**Download** ↓



Thank you