

User Manual

GPS Travelling System

(Produced By: Bonrix Software System)

GPS Bonrix System is GPS based system which gives all the flexible functionalities like location your place, tracking your device.

✓ Following Screenshot give system Home page:

The screenshot displays the home page of the GPS Tracking System. At the top, there is a navigation bar with the following menu items: Home, Device, Tracking, Alert, Alert History, Reports, Setting, and Logout. The main content area is divided into several sections:

- Vehicle Information:** Driver: kalupur, Driver Mobile: [blank], Date: 11/12/2012 9:23 PM.
- Device List:** A list of tracked devices including gopi, gopi-103, CNG (PALDI), NewTempo(blue2), Tata 407, suresh(stadium), Raju, Lahu (new), and Sarvan (new).
- Map:** A map of Ahmedabad, India, showing the current location of the vehicle. A pop-up window titled "Location of Vehicle" provides details: Location: Kasturba Gandhi Rd, Bardolpura, Madhupura, Ahmedabad, Gujarat, India; Last message: 11/12/2012 9:23 PM(undefinedago); Speed: 10.5 km/hr; Hold Time: Moving; Status: Online; Lat-Ion: (23.037959999999998, 72.5930616666667).
- Parameter Panel:** Shows status indicators for Charging (ON), Ignition (ON), and GPS (ON). It also features a speedometer (6781) and a fuel gauge (0.03 % Approx).
- Table:** A table listing tracked devices with their current status and location.

Device Name	Time	Hold	Ignition	Speed	AC	GPS	Location	Fence	Power
gopi-103	11/12/2012 9:23 PM	undefined	[Red Light]	0.0	[Red Light]	[Green Light]	Click Here	6 Kms From dariyapur	[Green Light]
CNG (PALDI)	11/12/2012 9:23 PM	undefined	[Red Light]	0.0	[Red Light]	[Green Light]	Click Here	5 Kms From dariyapur	[Green Light]

Fig.GPS Tracking System (Home)

In this Home Page, Live View of Vehicles is shown. You can see *speed, hold time, status, latitude and longitude* of vehicle. In the left side of Screenshot you can all the information for vehicle like vehicle no, driver mobile no and all the vehicle of customers to be tracked.

On the Right side, you can see all the parameter of vehicle like *Ignition, Charging and power of vehicle*. In the bottom of right side you can see dashboard of your vehicle like speedometer and odometer.

In the middle, Red *signal* of car indicate *off state* of vehicle, *green signal* of car indicate *on state* of vehicle and *black signal* indicate *disconnection* of vehicle from server.

❖ **All the functionalities of this system are given below one by one.**

1. Devices Information:

- Here you can manage all the functionalities of GPS devices which are placed on your vehicle.
 - ✓ Functionalities of Devices manage are as under.
 - ✓ **Device Search:** you can manage all the information like add, edit, delete of particular devices and vehicle.

Following Snapshot gives Device Search info:

Select	Device	MobileNo	IMEI No	Group Name	Driver Name	Driver Mob.No	Edit
<input type="checkbox"/>	gopi	8847022800	8847022800	gopi	RAMCHARAN	8847022800	
<input type="checkbox"/>	CNG (P	8847022800	8847022800	gopi	paldi	8847022800	
<input type="checkbox"/>	NewTempo(01uez)	8847022800	4081023400	gopi	NARENDRA	8847022800	

Fig. Device Search

- ✓ **Device Surveillance:** Here you find map view, satellite view, terrain view and hybrid view of vehicle. You can also send sms of device info to driver and customers.

Following Snapshot gives Device Surveillance:

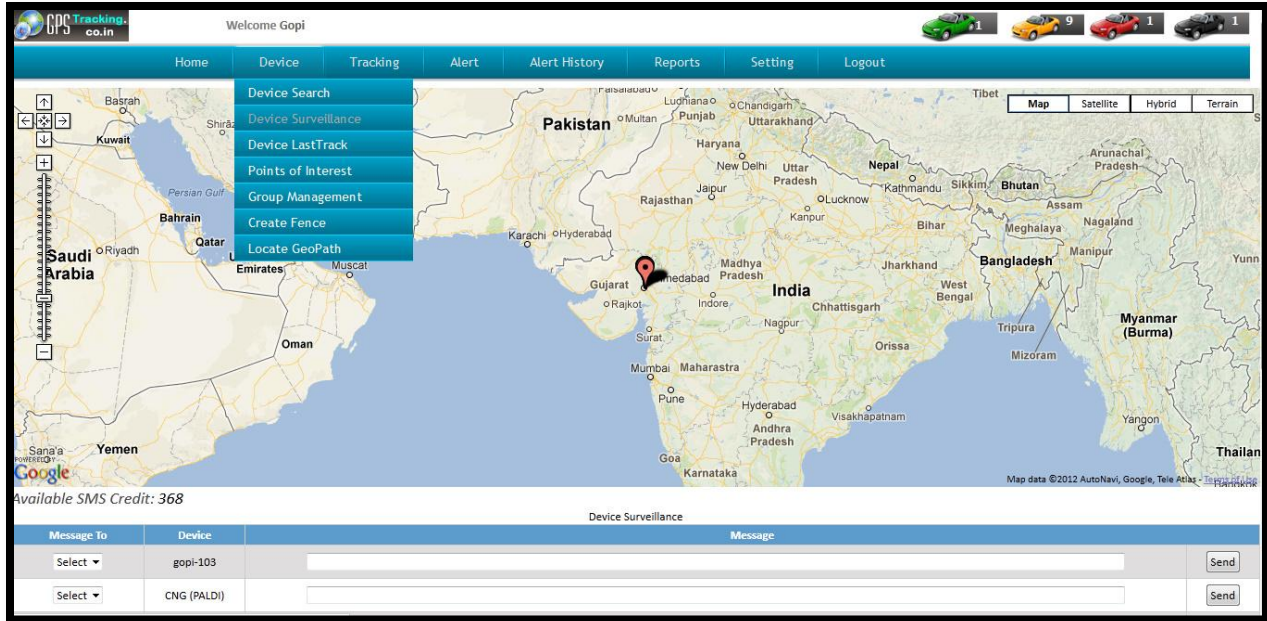


Fig. Device Surveillance

- ✓ **Device Last Track:** Here you can find last position of your vehicle And track all history positions.

Following is the screenshot of Device Last Track:

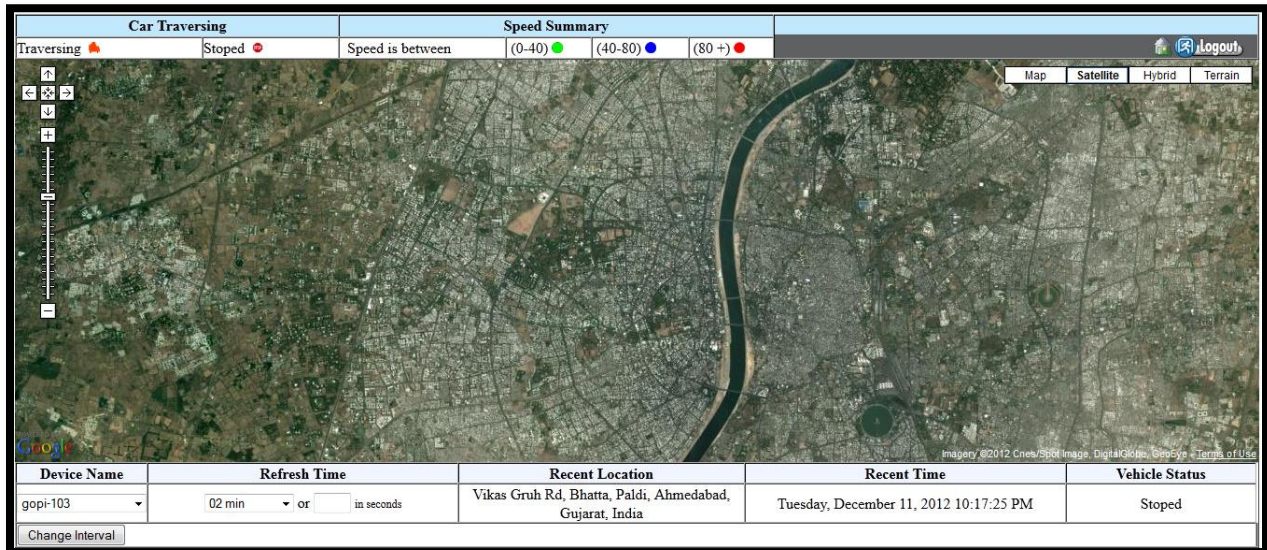


Fig. Device Last Track

- ✓ **Point Of Interest:** Here you can set your point where you want to locate your vehicle.

Following Screenshot give Point of Interest Information.

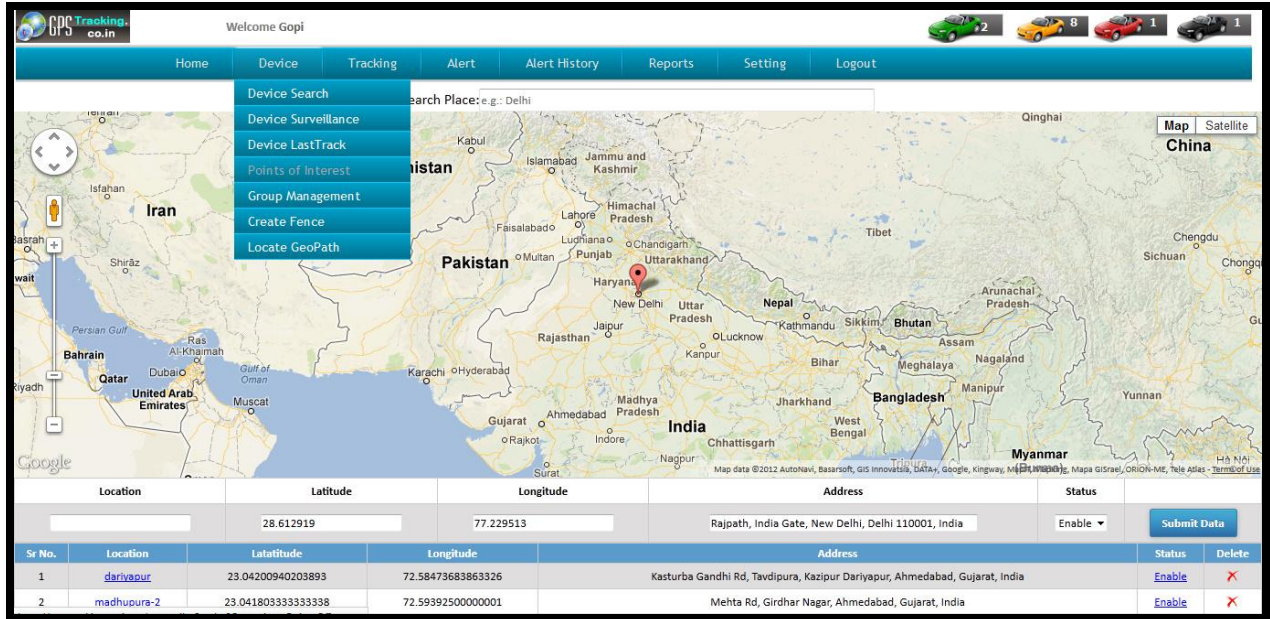


Fig. Point of Interest

You can see in fig. that point of Interest is set as Dariyapur .

- ✓ **Group Management:** Here you can manage group add ,edit, and delete functionalities.

Following is the Screenshot of Group Management:

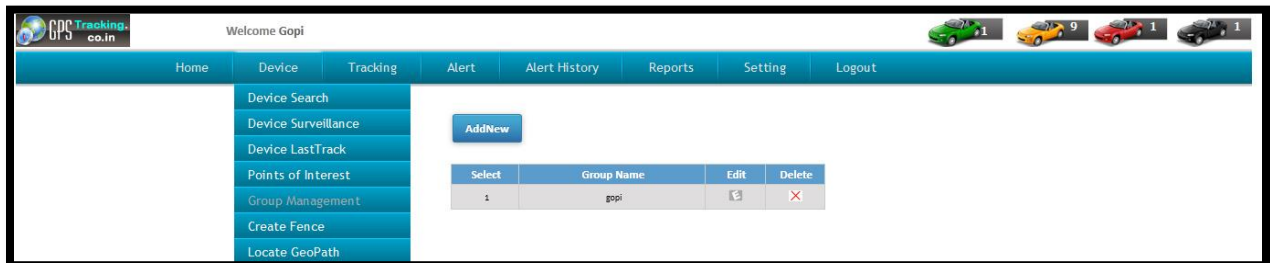


Fig. Group Management

- ✓ **Create Fence:** Here you can arrange the fence like polygon, square, circle etc.
- ✓ **Locate Geo Path:** Here you can find Geo path on Google map giving starting and ending positions.

Following is the Screenshots of Locate Geo Path:

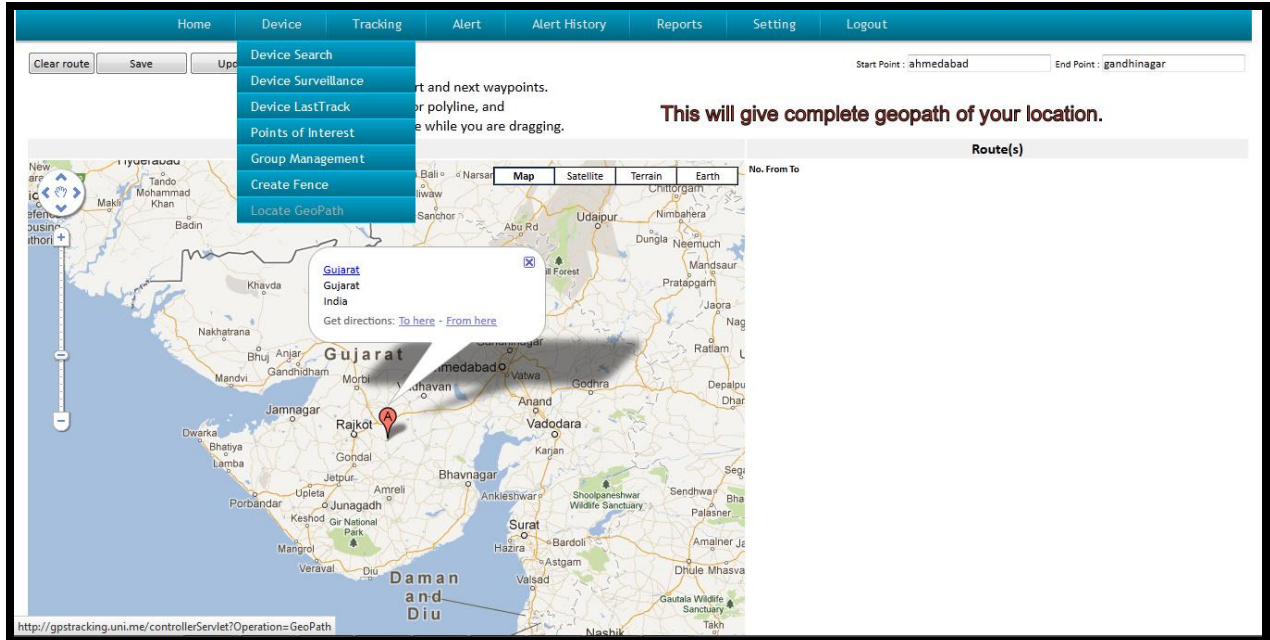


Fig. Locate Geo Path

2. Tracking: In the Tracking section you can track all the information about the vehicle

- Following is Tracking types:

- ✓ **Playback Tracking** Here you can track all the past path of your driving vehicle.

Following is Screenshot of Playback Tracking:

In following figure you can see that all the path of vehicle last track is given using red and green line .

We should give a proper input for generating last track .

In the figure you can see the path of vehicle past track using start date and end date and time. Here Green line indicates moving position of your vehicle and red line indicates your vehicle stoppage.

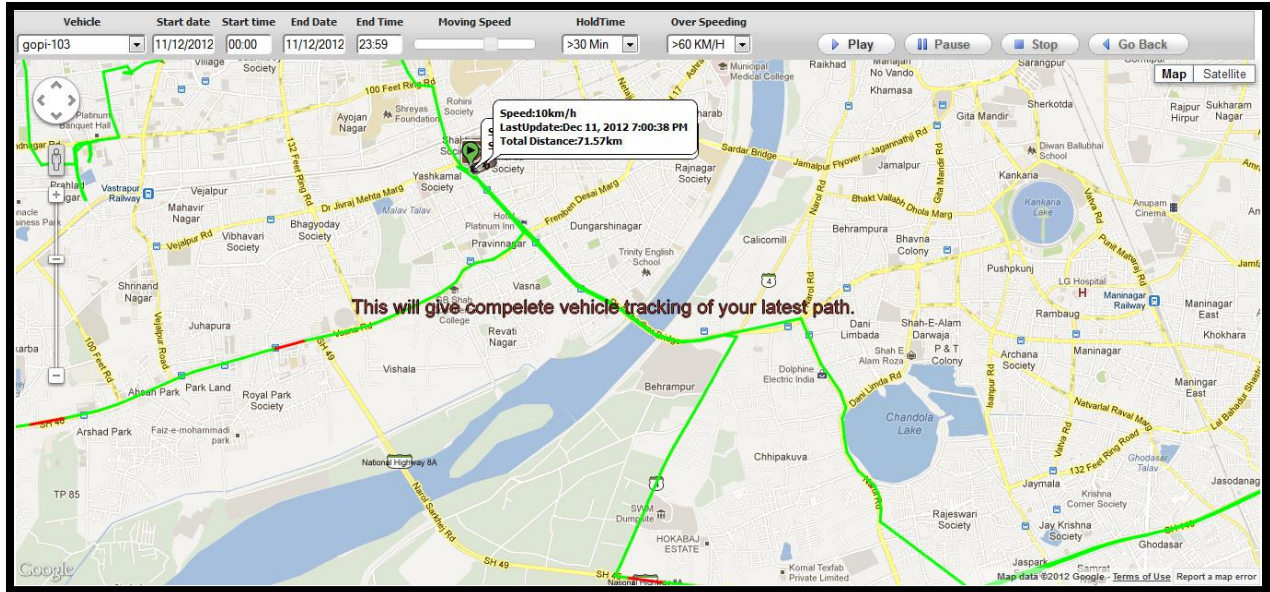


Fig. Playback Tracking

- ✓ **Live Tracking:** Here you can take live tracking of your vehicle. It will give current position, speed, and ignition status of your vehicle. Following is Screenshot of live Tracking: Here you see the current position of Vehicle. In the upper part you can see status and speed of your vehicle. In the bottom part you can set your refresh time of tracking.

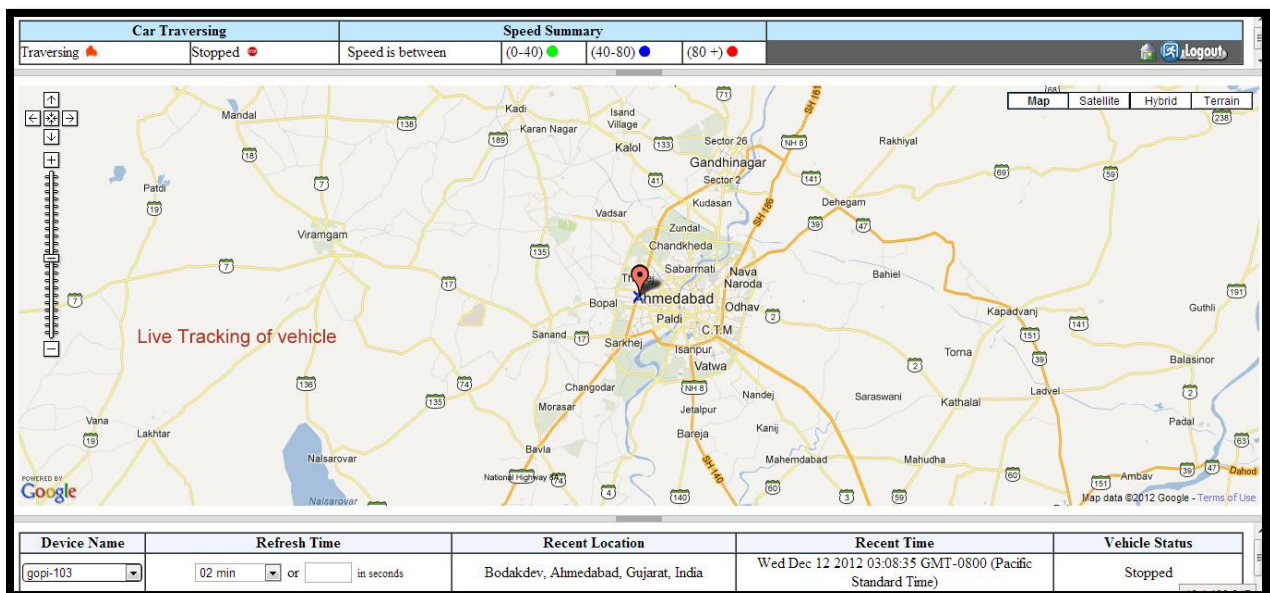


Fig. Live Track

- ✓ **Track on Google Earth:** Here you can generate KML file of your vehicle Position.

This KML file will be opened with Google earth and you can find the complete path of your vehicle in 3d image of Google earth.

Following is the Screenshot of example KML file.

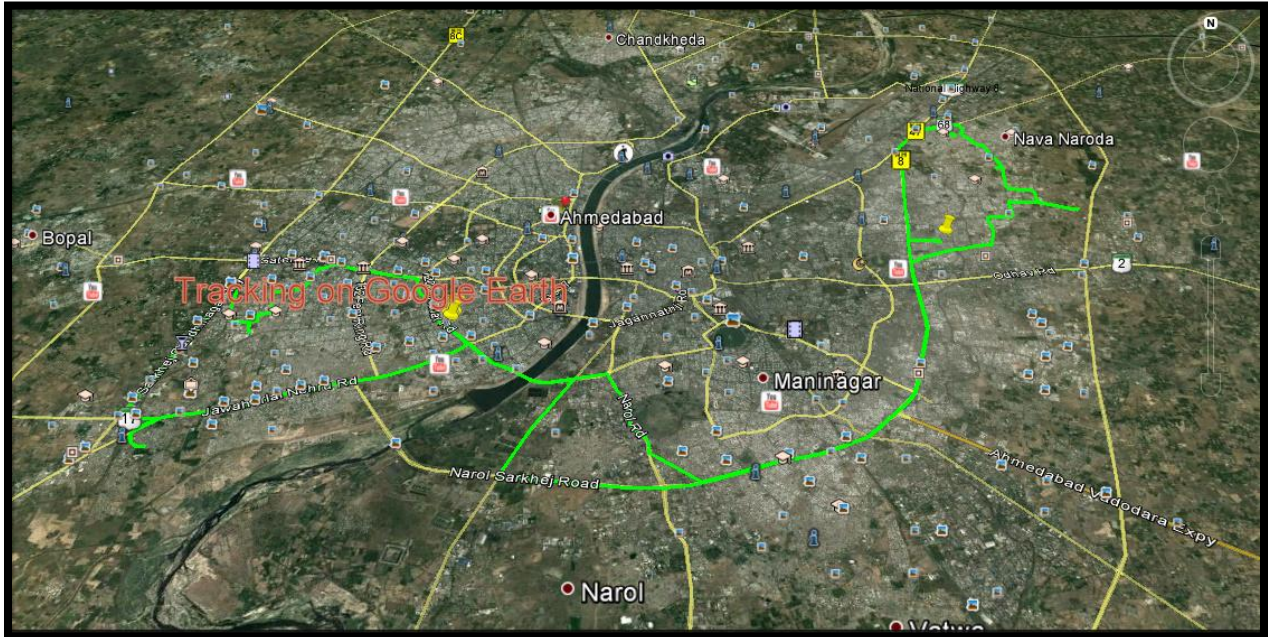


Fig. Track on Google Earth

- ✓ **Detailed History:** Here you can find all the History data by date and time .
- ✓ **Locate Stoppage:** Here you can find all the stoppage of Vehicles.
Following Screenshot gives Stoppage Information:

Device Name	From	To	Filter By
<input checked="" type="checkbox"/> Show POI gopi-103			

<http://gpstracking.uni.me/controllerServlet?Operation=locateStopSettings>

In the figure ,all the stoppage the vehicle is shown using red indicators.

- ✓ **Speed Monitor:** Here we can analyze maximum speed and average speed of vehicle during the path of vehicle on map. Following Snapshot will give the information about Speed Monitor:

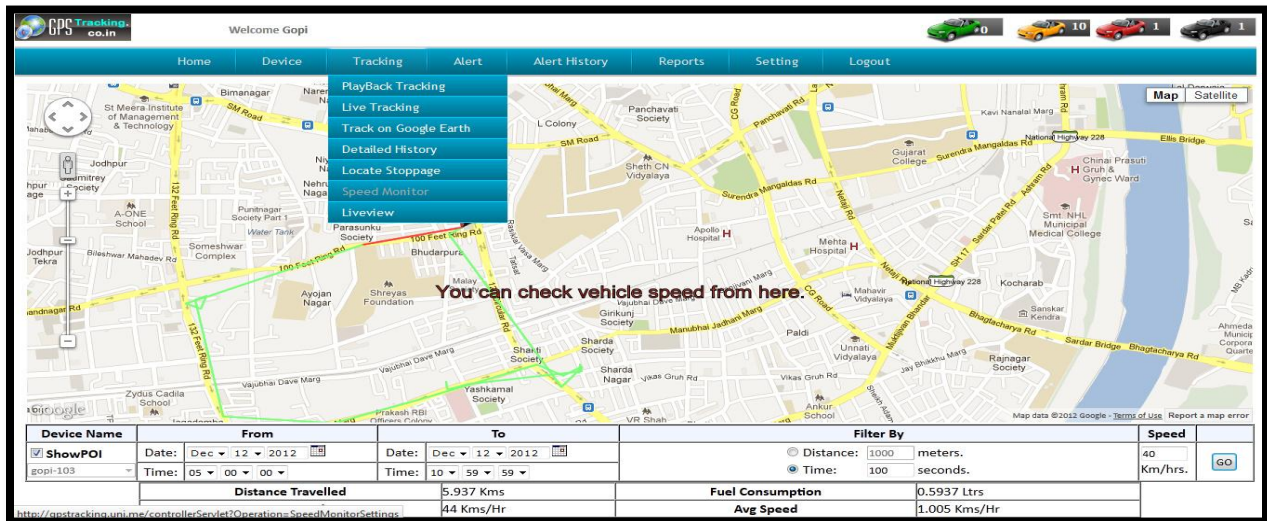


Fig. Speed Monitor

- ✓ **Live view:** Here you can see all the vehicles live tracking at in one map. Following is the Screenshot of Live view:



Fig. Live View

In the figure, you can see that the entire vehicle is seen using red point symbol with exact longitude and latitude locations.

3. Alert:

- Here you get all the sms alert for live vehicle tracking .

Types of Alerts are as follows:

- ✓ **Speed Limit Alert:** From here you can send sms to driver of vehicle for alerting of speed.

Following is the Screenshot of SMS Alert:

Here we can see that we have all alert menu for vehicle tracking just like analog ,digital ,POI ,sms , location alerts.

Device	Speed Limit	Time Diff.	Alert Type	SMS Template	Email Template	Alert Numbers	Alert Emails
<input type="checkbox"/> gopi-103	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> POI Alerts	ContinueLocationAlert	defaultEmailMaxSpeedTemplate	185	185
<input type="checkbox"/> CNG (PALDI)	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> DigitalInput Alerts	ContinueLocationAlert	defaultEmailMaxSpeedTemplate	185	185
<input type="checkbox"/> NewTempo(blue2)	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> AnalogInput Alerts	ContinueLocationAlert	defaultEmailMaxSpeedTemplate	185	185
<input type="checkbox"/> GJ1 AT 7083	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Over Consume Alerts	ContinueLocationAlert	defaultEmailMaxSpeedTemplate	185	185
			<input type="checkbox"/> Fence Alerts	ContinueLocationAlert	defaultEmailMaxSpeedTemplate	185	185
			<input type="checkbox"/> Over Stay Alert	ContinueLocationAlert	defaultEmailMaxSpeedTemplate	185	185

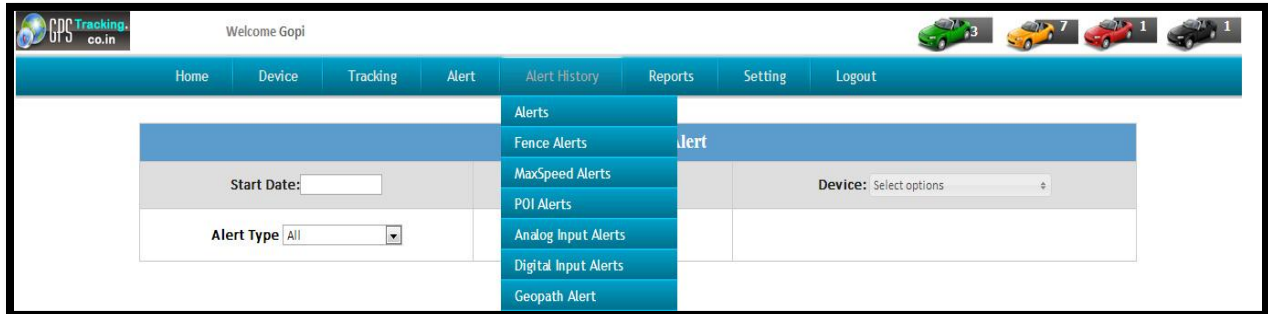
Fig. Alert

- ✓ **POI Alert:** From Here you can send your selected POI alert sms to the vehicle device.
- ✓ **Digital Input Alert:** Here we can send digital Information for location points to customer.
- ✓ **Analog Input alert:** Here we can send Analog Information location points to customer.
- ✓ **Over consumed Alert:** Here we can send over consumed information of vehicle means suppose the speed of vehicle is gone more than limit speed.
- ✓ **Fence Alert:** Her we can send Fence Information to Customer.
- ✓ **Geo path Alert:** Here we can send location information to customer.
- ✓ **Over stay Alert:** Here we can send Overstay Information like if the vehicle stays more than limit time on stoppage.

4. Alert History:

- Here you can send history of location, speed, and ignition alerts to vehicle device.

✓ Following is the Screenshot of Alert History.



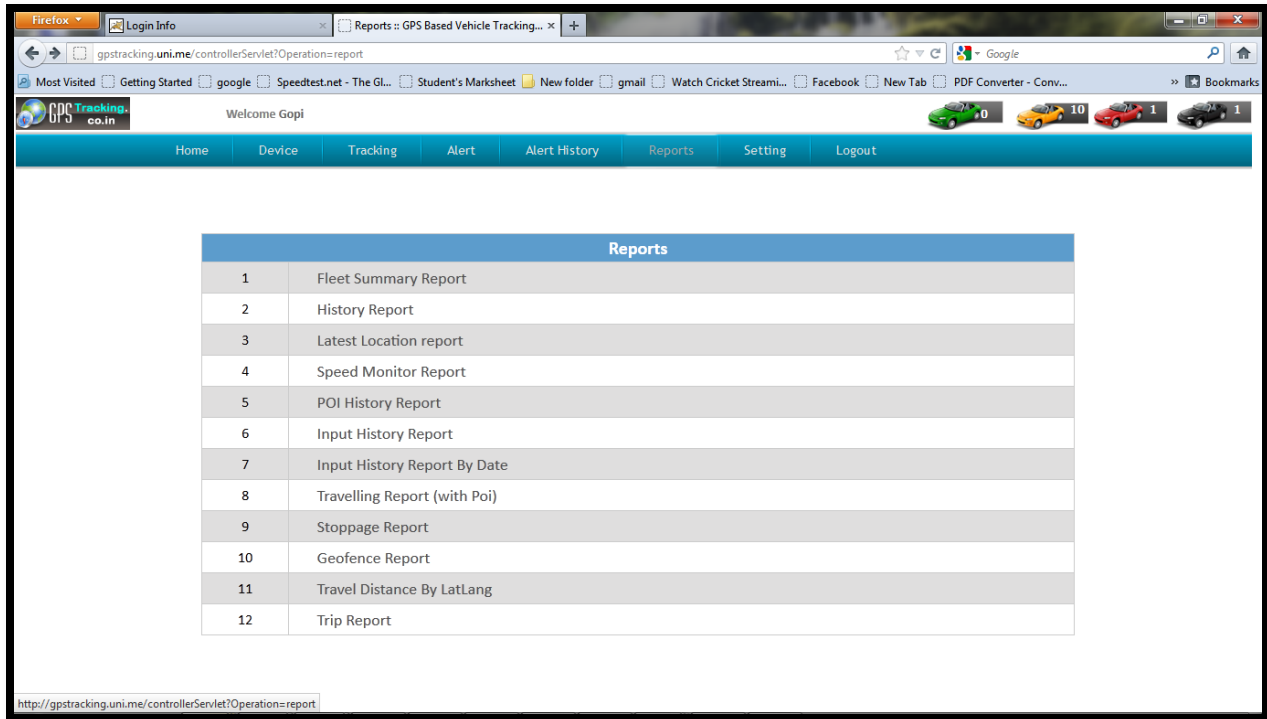
Followings are the types of Alert History:

- ✓ **All Alerts:** Here you can send all the information for the alert history to the vehicle devices.
- ✓ **Fence Alert:** Here you can send fence Alert History to the vehicle devices.
- ✓ **Max Speed Alert:** Here you can send Max speed of vehicle alert history to the customer.
- ✓ **POI Alert :** Here you can send POI Alert History to the vehicle Devices.
- ✓ **Analog Input Alert:** Here you can send Analog input history information to the vehicle devices.
- ✓ **Digital Input Alert:** Here you can send Digital input history information to the vehicle devices.
- ✓ **Geo Path Alert:** Here you can send location alert history information to the vehicle devices.

5. Reports:

Here you can generate reports of vehicle information like vehicle location, path, max speed, ignition, stoppage , etc.

Following is the Screenshot of Report management:



In the screenshot, you can see that there are 12 reports of vehicle devices available.

They are as following:

- ✓ **Fleet Summary Report:** Here you can generate current day information to device based on given time . Following is Screenshot of Fleet summary report.

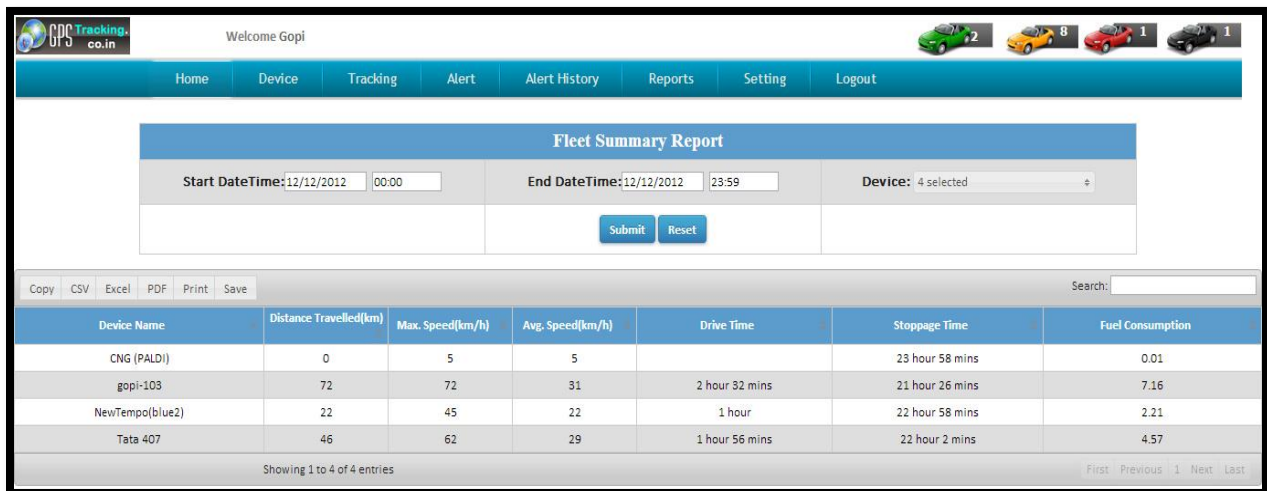


Fig. Fleet Summary Reports

- ✓ **History Report:** Here you can generate history of device parameters in reports.
- ✓ **Last Track Report:** Here you can generate reports of last tracking of vehicle device.

Following is the Screenshot of Last Track report:

Device Name	Date Time	Ignition	Speed	AC	GPS	Location	Altitude	Fuel	Power
8347024263 gopi-103	13-12-2012 11:44:26		N/A			120 Circular Rd, Paldi, Ahmedabad, Gujarat, India(*)	0.0	0.05	
8347024051 CNG (PALDI)	13-12-2012 11:44:32		N/A			132 Feet Ring Rd, Juhapura, Ahmedabad, Gujarat, India(*)	0.0	N/A	
8347023804 New Tempo(blue2)	13-12-2012 11:44:37		N/A			Mirzapur Rd, Gheekants, Bhadra, Ahmedabad, Gujarat, India(*)	0.0	0.07	
8347024152 G11 AT 7083	13-12-2012 11:44:33		N/A			Mirzapur Rd, Gheekants, Bhadra, Ahmedabad, Gujarat, India	0.0	0.03	
8347024471 G118 AU 4760	13-12-2012 11:44:39		N/A			State Highway 4, Behrampur, Ahmedabad, Gujarat, India(*)	0.0	0.05	
9737892395 Tata 407	13-12-2012 11:44:31		32.4			Ognaj Cir, Ahmedabad, Gujarat, India(*)	0.0	4.47	
9824460821									

- ✓ **Speed Monitor Reports:** Here you can generate all speed information's reports of vehicle last track.
- Following is the snapshot of Speed Monitor Report:

Start Time	End Time	Duration	Start Location	End Location	Avg Speed (km/h)	Max Speed(km/h)
2012-12-12 03:02:49.0	2012-12-12 03:02:49.0	00 Hrs 00 Mins	National Highway 8C, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	National Highway 8C, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	64	64
2012-12-12 03:27:15.0	2012-12-12 03:27:35.0	00 Hrs 00 Mins	National Highway 8C, Ahmedabad, Gujarat, India 8 Kms Fromdariyapur	National Highway 8C, Ahmedabad, Gujarat, India 8 Kms Fromdariyapur	63	65
2012-12-12 03:42:46.0	2012-12-12 03:42:46.0	00 Hrs 00 Mins	Ambli - Bopal Rd, Shilaj, Ahmedabad, Gujarat, India 10 Kms Fromdariyapur	Ambli - Bopal Rd, Shilaj, Ahmedabad, Gujarat, India 10 Kms Fromdariyapur	61	61
2012-12-12 03:59:17.0	2012-12-12 03:59:37.0	00 Hrs 00 Mins	National Highway 8C, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	National Highway 8C, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	67	71
2012-12-12 04:24:39.0	2012-12-12 04:24:59.0	00 Hrs 00 Mins	120 Circular Rd, Vasna, Ahmedabad, Gujarat, India 5 Kms Fromdariyapur	120 Circular Rd, Vasna, Ahmedabad, Gujarat, India 5 Kms Fromdariyapur	65	69
2012-12-12 04:52:29.0	2012-12-12 04:53:09.0	00 Hrs 00 Mins	120 Circular Rd, Ambavadi, Ahmedabad, Gujarat, India 5 Kms Fromdariyapur	120 Circular Rd, Vasna, Ahmedabad, Gujarat, India 5 Kms Fromdariyapur	67	72
2012-12-12 16:03:33.0	2012-12-12 16:03:33.0	00 Hrs 00 Mins	National Highway 8C, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	National Highway 8C, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	61	61
2012-12-12 16:22:51.0	2012-12-12 16:22:51.0	00 Hrs 00 Mins	National Highway 8C, Ahmedabad, Gujarat, India 8 Kms Fromdariyapur	National Highway 8C, Ahmedabad, Gujarat, India 8 Kms Fromdariyapur	70	70
2012-12-12 16:23:31.0	2012-12-12 16:23:31.0	00 Hrs 00 Mins	National Highway 8C, Satellite, Ahmedabad, Gujarat, India 8 Kms Fromdariyapur	National Highway 8C, Satellite, Ahmedabad, Gujarat, India 8 Kms Fromdariyapur	61	61
2012-12-12 16:42:56.0	2012-12-12 16:43:56.0	00 Hrs 01 Mins	Sindhu Bhavan Rd, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	Sindhu Bhavan Rd, Ahmedabad, Gujarat, India 10 Kms Fromdariyapur	66	71

- ✓ **POI Alert:** Here you can generate all POI In formation information report.

- ✓ **Input History Report:** Here you generate on and off time of vehicle information report.

Following is the Screenshot of Input History Report:

- ✓ **Travelling Report:** Here you can generate all the travelling location information of vehicle. You can get all the path of your vehicle on specified date and time.

Following is the Screenshot of Travelling Report:

Start Time	End Time	Duration	Status	Location	Distance(KM)	Avg. Speed (km/hrs)	Max. Speed (km/hrs)
12/12/2012 00:00:06	.....	Begin	stop	120 Circular Rd, Paldi, Ahmedabad, Gujarat, India 5 Kms Fromdariyapur	.....	.....	.....
12/12/2012 00:00:06	12/12/2012 02:50:05	02 Hrs 49 Mins	stop	120 Circular Rd, Paldi, Ahmedabad, Gujarat, India 5 Kms Fromdariyapur	.....	.....	.....
12/12/2012 02:50:05	12/12/2012 03:04:29	00 Hrs 14 Mins	transit	National Highway 8C, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	5.83	24.3	63.8
12/12/2012 03:04:29	12/12/2012 03:26:15	00 Hrs 21 Mins	stop	120 Circular Rd, Paldi, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	.....	.....	.....
12/12/2012 03:26:15	12/12/2012 03:32:57	00 Hrs 06 Mins	transit	Sardar Patel Ring Rd, Ahmedabad, Gujarat, India 11 Kms Fromdariyapur	4.289	38.4	64.6
12/12/2012 03:32:57	12/12/2012 03:40:45	00 Hrs 07 Mins	stop	120 Circular Rd, Paldi, Ahmedabad, Gujarat, India 11 Kms Fromdariyapur	.....	.....	.....
12/12/2012 03:40:45	12/12/2012 03:47:47	00 Hrs 07 Mins	transit	National Highway 8C, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	4.084	34.8	60.7
12/12/2012 03:47:47	12/12/2012 03:48:07	00 Hrs 00 Mins	stop	120 Circular Rd, Paldi, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	.....	.....	.....
12/12/2012 03:48:07	12/12/2012 03:49:06	00 Hrs 00 Mins	transit	National Highway 8C, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	0.106	6.5	19.0
12/12/2012 03:49:06	12/12/2012 03:58:37	00 Hrs 09 Mins	stop	120 Circular Rd, Paldi, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	.....	.....	.....
12/12/2012 03:58:37	12/12/2012 03:58:57	00 Hrs 00 Mins	transit	National Highway 8C, Ahmedabad, Gujarat, India 9 Kms Fromdariyapur	0.0	0	18.7

- ✓ **Stoppage Report:** Here you can generate all the stoppage information of your vehicle at specified time. Following is the Screenshot of Stoppage report:

GPS Tracking co.in Welcome Gopi

Home Device Tracking Alert Alert History Reports Setting Logout

Stoppage Report

Start DateTime: 12/12/2012 00:00 End DateTime: 12/12/2012 23:59 Device: gopi-103 X

Minimum Stop > 15 Min Submit Reset Location By: POI Full Address

Copy CSV Excel PDF Print Save Search:

No.	device name	Device Desc	Start Date	End Date	Location	Stoppage	map
1	gopi-103	paldi	12-12-2012 03:04	12-12-2012 03:26	9 Kms From dariyapur	22 mins	view
2	gopi-103	paldi	12-12-2012 04:06	12-12-2012 04:23	5 Kms From dariyapur	16 mins	view
3	gopi-103	paldi	12-12-2012 04:26	12-12-2012 04:44	5 Kms From dariyapur	17 mins	view
4	gopi-103	paldi	12-12-2012 04:53	12-12-2012 08:50	5 Kms From dariyapur	3 hour 56 mins	view
5	gopi-103	paldi	12-12-2012 08:53	12-12-2012 09:14	5 Kms From dariyapur	21 mins	view
6	gopi-103	paldi	12-12-2012 09:38	12-12-2012 10:44	5 Kms From dariyapur	1 hour 6 mins	view
7	gopi-103	paldi	12-12-2012 11:07	12-12-2012 15:36	5 Kms From dariyapur	4 hour 29 mins	view
8	gopi-103	paldi	12-12-2012 16:04	12-12-2012 16:22	8 Kms From dariyapur	17 mins	view
9	gopi-103	paldi	12-12-2012 16:55	12-12-2012 17:12	11 Kms From dariyapur	16 mins	view
10	gopi-103	paldi	12-12-2012 17:15	12-12-2012 17:31	12 Kms From dariyapur	15 mins	view
11	gopi-103	paldi	12-12-2012 19:00	12-12-2012 22:31	5 Kms From dariyapur	3 hour 31 mins	view
12	gopi-103	paldi	12-12-2012 22:31	12-12-2012 23:59	5 Kms From dariyapur	1 hour 27 mins	view

✓ **Distance Travelled report(By Lat & Long):** Here you can generate report about the total distance travelled and total fuel consumed.

Following is the travelled Distance report:

GPS Tracking co.in Welcome Gopi

Home Device Tracking Alert Alert History Reports Setting Logout

Distance Travelled Report

Start DateTime: 12/12/2012 00:00 End DateTime: 12/12/2012 23:59 Device: gopi-103

Time Interval: 5 Hour Submit Reset Report By: Time

Total Distance Travelled: 71 Kms & Total Fuel Consumption: 7.13 Ltrs(Approx)

Copy CSV Excel PDF Print Save Search:

Start Date	End Date	Distance Travelled in Kms	Fuel Consumption
2012-12-12 00:00:00	2012-12-12 05:00:00	23	2.32
2012-12-12 05:00:00	2012-12-12 10:00:00	5	0.53
2012-12-12 10:00:00	2012-12-12 15:00:00	1	0.12
2012-12-12 15:00:00	2012-12-12 20:00:00	42	4.16
2012-12-12 20:00:00	2012-12-13 01:00:00	0	0

Showing 1 to 5 of 5 entries First Previous 1 Next Last

✓ **Trip Report:** Here you can generate trip report of vehicle which is defined on specified time interval. Following is the Screenshot of Trip Report:

The screenshot shows the 'Trip Report' page in the GPS Tracking application. At the top, there is a navigation bar with options: Home, Device, Tracking, Alert, Alert History, Reports, Setting, and Logout. Below this, the 'Trip Report' section has a header and several input fields: 'Start DateTime' (12/12/2012 00:00), 'End DateTime' (12/12/2012 23:59), 'Device' (4 selected), and 'Minimum Trip Time' (1 Hour). There are 'Submit' and 'Reset' buttons. Below the filters is a table with columns: Device Name, Start Date, End Date, Start Location, End Location, and Total KM. The table contains two entries for device 'gopi-103'. To the right, a dropdown menu is open, showing a list of devices with checkboxes: gopi-103, CNG (PALDI), NewTempo(blue2), GJ1 AT 7083, GJ18 AU 4760, Tata 407, and suresh(stadium). Below the table, there are options for 'Copy', 'CSV', 'Excel', 'PDF', 'Print', and 'Save'. A 'Fuel Consumption' table is partially visible on the right side.

Device Name	Start Date	End Date	Start Location	End Location	Total KM
gopi-103	12-12-2012 02:26	12-12-2012 03:34	5 Kms From dariyapur	11 Kms From dariyapur	10
gopi-103	12-12-2012 03:40	12-12-2012 04:54	11 Kms From dariyapur	5 Kms From dariyapur	13

From figure you can see that we select the date and interval of time for generating the report of trip.

6. Setting:

In this section, you can set user management, password change, and KML download.

Functions of setting are as following;

- ✓ **User Management:** Here you can manage the entire user available for the vehicle device.

Following is the screenshot of user management:

The screenshot shows the 'Setting' page in the GPS Tracking application. The navigation bar is the same as in the previous screenshot. The 'Setting' menu is open, showing options: User Management, MyProfile, Set Odometer, Change Password, and Download KML. Below the menu, there are input fields for 'Select device:' (gopi) and 'Adjust Odometer:' (5223), along with a 'Save Change' button.

The screenshot shows the 'User Management' page in the GPS Tracking application. At the top, there are icons for 'ADD USER' and 'ALLOCATE'. Below this is a table with columns: No, Login Name, Password, First Name, Last Name, Mobile, E-mail ID, SMS Allowed, Detail, Delete, and Edit. The table contains one entry for user 'ishan411'.

No	Login Name	Password	First Name	Last Name	Mobile	E-mail ID	SMS Allowed	Detail	Delete	Edit
1	ishan411	ishan4321	ishan	modi	9909973019	ishan411@gmail.com	yes			

In figure you can see that you can add ,edit, delete the user and on the upper figure you can see that you can manage all the info about device and user.

- ✓ **My Profile:** Here you can manage your personal profile for every user.
- ✓ **Set Odometer:** Here you can set your vehicle odometer setting to synchronous with software.
- ✓ **Change Password:** Here you can change your user password .
- ✓ **Download KML:** Here you can download KML file of device location .using this file you can see all the routes track of your vehicle in Google earth.