

SVTRACK
Electronics & GPS Systems

Vehicle Tracking Solution

Submitted by:

Mr. Vishnu Halkare

M: +91 99220 40001

Email: svtrackpune@gmail.com

Page 1 of 14

Contents

1.	SCOPE.....	3
2.	ABOUT SVTRACK GPS SOLUTIONS.....	3
3.	WHAT IS VEHICLE TRACKING SYSTEM.....	3
4.	BENEFITS OF VEHICLE TRACKING SYSTM.....	4
5.	APPLICATION FEATURES and ALERTS.....	5
6.	LIVE and MIS REPORTS.....	7
7.	DEVICE SPECIFICATONS.....	14
8.	DEVICE FEATURES.....	14
9.	Why SVTRACK GPS Solution's.....	15
10.	CONTACT.....	16

1. SCOPE: -

This document provides the Overview, Technical Details and, key benefits of the Vehicle Tracking solution offered by SVTrack GPS Solutions.

2. ABOUT SVTRACK GPS SOLUTIONS: -

We would like to introduce ourselves, we are **SVTRACK GPS Solutions** one of the Leading GPS Solutions provider Company from India. We are end to end solution providers for GPS based Hardware devices and Software solutions.

SVTRACK has its own developed hardware device and software application.

3. WHAT IS VEHICLE TRACKING SYSTEM? -

A **vehicle tracking system** combines the installation of an electronic device in a vehicle, or fleet of vehicles, with purpose-designed computer software at least at one operational base to enable the owner or a third party to track the vehicle's location, collecting data in the process from the field and deliver it to the base of operation. Modern vehicle tracking systems commonly use GPS technology for locating the vehicle.



4. BENEFITS OF VEHICLE TRACKING SYSTEM: -

- ✓ Preventing theft of vehicle
- ✓ Monitoring unauthorized use of vehicle
- ✓ Efficient Route planning and Trip management
- ✓ Improving response time
- ✓ Increasing Asset Utilization
- ✓ Finding the right route through the navigation
- ✓ Accurate Prediction of arrival times and delay
- ✓ Creating and maintaining Vehicle and Driver details
- ✓ Immediate dispatch of vehicles closest to the impact area in case of emergency
- ✓ Ability to manage a large number of Consignments by getting exception data on
 - Delays
 - Routes
 - Material types
 - Dispatch dates
- ✓ Automated alert Through SMS and Email of
 - Insurance Renewal Date
 - Servicing Date
 - Tyre Change Date
 - Oil Change Date

5. APPLICATION FEATURES and ALERTS: -



Electronics & GPS Systems

FEATURES: -

- ✓ Web Based Real Time GPS Tracking (Live Track)
- ✓ Vehicle operating status,
 - Ignition On/Off.
 - AC On/Off.
 - Current speed.
 - Odometer reading.
 - External/Internal Battery Status.
 - Signal Strength of SimCard Used for Device
 - GPS Status
- ✓ Geo Fencing
- ✓ Immobilizer*
- ✓ Jammer Detector*
- ✓ Accelerometer*
- ✓ Box Open Alert
- ✓ Fuel Sensor (For Diesel Vehicles)
- ✓ Thermal Sensor

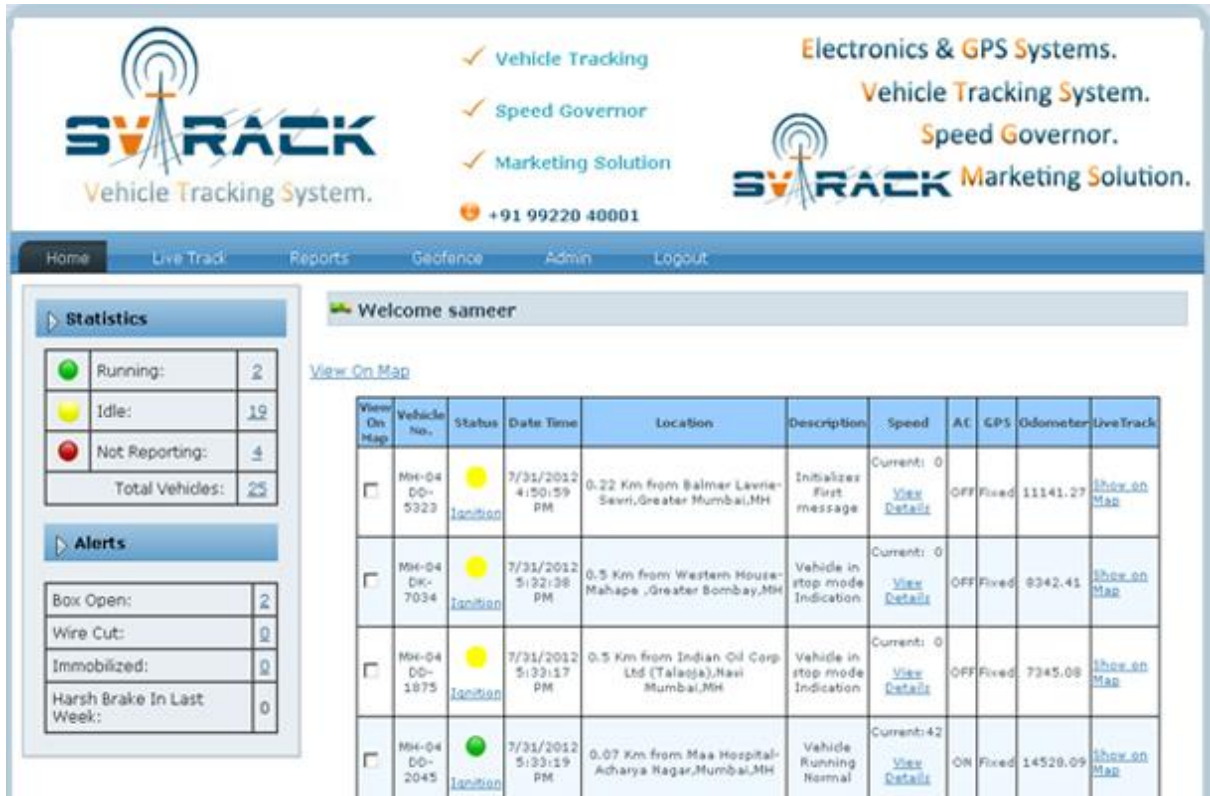
ALERTS: -

- ✓ Speed Restrictions Alerts
- ✓ Harsh Brake Alert
- ✓ Box Open Alert
- ✓ Wire Cut Alert
- ✓ No go Zone Alert
- ✓ Geo Fence Alert



6. LIVE and MIS REPORTS: -

✓ Live Status: -



View On Map	Vehicle No.	Status	Date Time	Location	Description	Speed	A.C.	GPS	Odometer	LiveTrack
<input type="checkbox"/>	MH-04 DD-5323	Ignition	7/31/2012 4:50:59 PM	0.22 Km from Balmer Lawn-Saeri, Greater Mumbai, MH	Initializes first message	Current: 0	OFF	Fixed	11141.27	Show On Map
<input type="checkbox"/>	MH-04 DK-7034	Ignition	7/31/2012 5:02:38 PM	0.5 Km from Western House- Mahape, Greater Bombay, MH	Vehicle in stop mode Indication	Current: 0	OFF	Fixed	8342.41	Show On Map
<input type="checkbox"/>	MH-04 DD-1875	Ignition	7/31/2012 5:02:17 PM	0.5 Km from Indian Oil Corp Ltd (Taloja), Navi Mumbai, MH	Vehicle in stop mode Indication	Current: 0	OFF	Fixed	7345.08	Show On Map
<input type="checkbox"/>	MH-04 DD-2045	Running	7/31/2012 5:03:19 PM	0.07 Km from Maa Hospital- Acharya Nagar, Mumbai, MH	Vehicle Running Normal	Current: 42	ON	Fixed	14528.09	Show On Map




With **SVTRACK** vehicle tracking system, you can get detailed and current information about vehicle or object that is being tracked through the system.

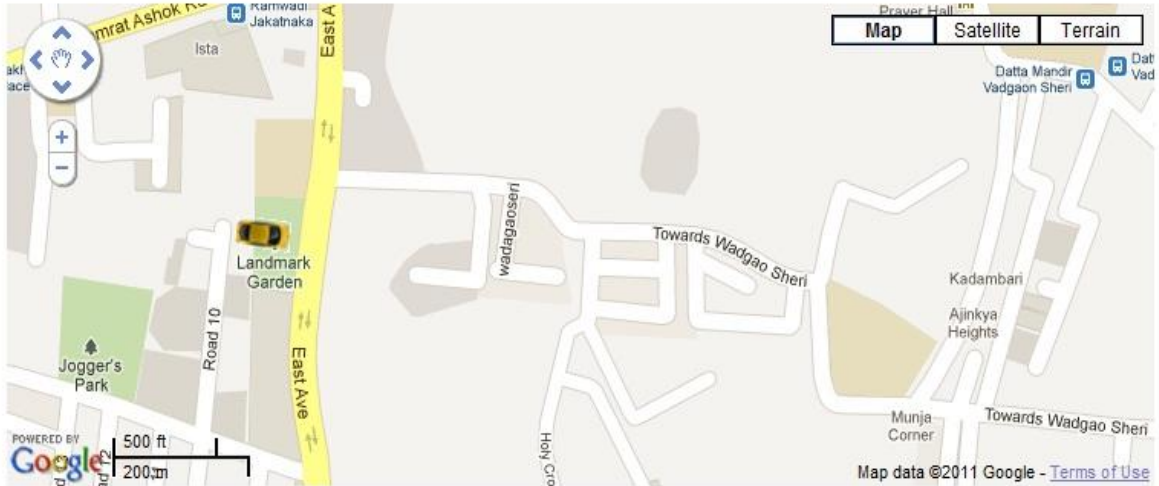
As mentioned in the above screenshot you get-

- Current vehicle status (Running or Stopped)
- Location
- Speed
- Ignition Status
- AC on off Status etc.....

✓ Live Track: -

Live Track

Mode	Vehicle in stop mode Indication	Ignition	OFF	 21
Speed	0 Km/h	AC	OFF	 11.08 V
Time data received	11/28/2011 12:52:24 AM	Odometer	13708.56	 4.15 V



With the Live track you can get detailed and current information about vehicle or object that is being tracked through the system.

As mentioned in the above screenshot you get-

- Live mode of Vehicle
- Current Location
- Speed
- Ignition Status
- AC on off Status
- External and Internal Battery Status
- Network status of the SIM card inserted
- Odometer Reading

✓ **Stop Report.**

Stop Report

Select Vehicle: ▾

From Date: ▾

To Date: ▾

Total Stop Time:		9 days 5 hrs 42 mins 24 secs			
Sr.No.	Stop Location	From	To	Duration	Show On Map
1	0.01 Km. from Siddharth Enclave, Lane no 10 ,Kalyani nagar ,Pune,MH	11/18/2011 12:00:45 AM	11/18/2011 9:30:05 AM	9 hour(s), 30 minute(s).	Show On Map
2	0.13 Km. from Kalyani Nagar- Kalyani Nagar,Pune,MH	11/18/2011 9:30:55 AM	11/18/2011 9:31:45 AM	1 minute(s).	Show On Map
3	0.29 Km. from Kalyani Nagar,Pune,MH	11/18/2011 9:32:55 AM	11/18/2011 9:34:05 AM	2 minute(s).	Show On Map
4	0.48 Km. from Koregaon Park,Pune,MH	11/18/2011 9:35:55 AM	11/18/2011 9:36:00 AM	1 minute(s).	Show On Map
5	0.39 Km. from Wanwadi,Pune,MH	11/18/2011 9:53:55 AM	11/18/2011 9:55:10 AM	2 minute(s).	Show On Map
6	0.41 Km. from Mangaldas Rd,Pune,MH	11/18/2011 10:09:55 AM	11/18/2011 10:11:00 AM	2 minute(s).	Show On Map
7	0.42 Km. from Mangaldas Rd,Pune,MH	11/18/2011 10:11:55 AM	11/18/2011 10:13:30 AM	2 minute(s).	Show On Map
8	0.31 Km. from Central Ave- Kalyani Nagar,Pune,MH	11/18/2011 10:18:55 AM	11/18/2011 10:19:40 AM	1 minute(s).	Show On Map
9	0.01 Km. from Siddharth Enclave, Lane no 10 ,Kalyani nagar ,Pune,MH	11/18/2011 10:22:35 AM	11/18/2011 12:14:30 PM	1 hour(s), 52 minute(s).	Show On Map

As mentioned in the above screenshot you get-

- Location
- Idle Status duration (Vehicle in Stop mode)

✓ **Ac On/Off Report.**

You will get the exact details about whether your vehicle's AC is on during run mode and even during Stop mode.

✓ **Speed Violation Report.**

Speed Violation

Select Vehicle:

From Date:

To Date:

Total Distance:	598.26 km	Maximum Speed:	105 km/hr
Total Run Time:	0 hrs 48 mins 7 secs	Average Max Speed	79 km/hr

Sr.No.	Start Location	Stop Location	Start Time	Stop Time	Distance (Km)	Duration	Show On Map
1	2.99 Km. from Transport Nagar-Nigdi Pradhikaran,Pune,MH	3.35 Km. from Transport Nagar-Nigdi Pradhikaran,Pune,MH	11/19/2011 10:00:30 PM	11/19/2011 10:00:55 PM	0.58	25 sec(s).	Show On Map
2	3.66 Km. from Talegaon Dabhade,Pune,MH	3.46 Km. from Talegaon Dabhade,Pune,MH	11/19/2011 10:02:10 PM	11/19/2011 10:02:25 PM	0.33	15 sec(s).	Show On Map
3	3.46 Km. from Talegaon Dabhade,Pune,MH	1.89 Km. from Talegaon Dabhade,Pune,MH	11/19/2011 10:02:25 PM	11/19/2011 10:04:30 PM	2.87	2 min(s).5 sec(s).	Show On Map
4	1.66 Km. from Talegaon Dabhade,Pune,MH	1.24 Km. from Talegaon Dabhade,Pune,MH	11/19/2011 10:04:50 PM	11/19/2011 10:05:25 PM	0.80	35 sec(s).	Show On Map
5	1.11 Km. from Talegaon Dabhade,Pune,MH	1.57 Km. from Wadgaon,Pune,MH	11/19/2011 10:06:15 PM	11/19/2011 10:07:50 PM	2.19	1 min(s).35 sec(s).	Show On Map
6	1.33 Km. from Wadgaon,Pune,MH	2.32 Km. from Khamshet,Pune,MH	11/19/2011 10:11:30 PM	11/19/2011 10:17:40 PM	9.22	6 min(s).10 sec(s).	Show On Map
7	1.93 Km. from Khamshet,Pune,MH	1.77 Km. from Khamshet,Pune,MH	11/19/2011 10:18:20 PM	11/19/2011 10:18:40 PM	0.22	20 sec(s).	Show On Map
8	1.79 Km. from Karli,Pune,MH	0.97 Km. from Lonavale,Pune,MH	11/19/2011 10:32:00 PM	11/19/2011 10:39:25 PM	11.22	7 min(s).25 sec(s).	Show On Map
9	0.92 Km. from Lonavale,Pune,MH	1.38 Km. from Lonavale,Pune,MH	11/19/2011 10:40:45 PM	11/19/2011 10:41:30 PM	1.12	45 sec(s).	Show On Map

As mentioned in the above screenshot you get-

- Maximum Speed reached by the vehicle
- Distance covered by the vehicle in excess speed

✓ **All Alert Reports.**



You will receive all alerts on your e-mail as well as on Mobile

- Speed Restrictions Alerts
- Harsh Break Alert
- Box Open Alert
- Wire Cut Alert
- No go Zone Alert
- Geo Fence Alert

✓ Historical Reports

Historical Report

Select Vehicle:

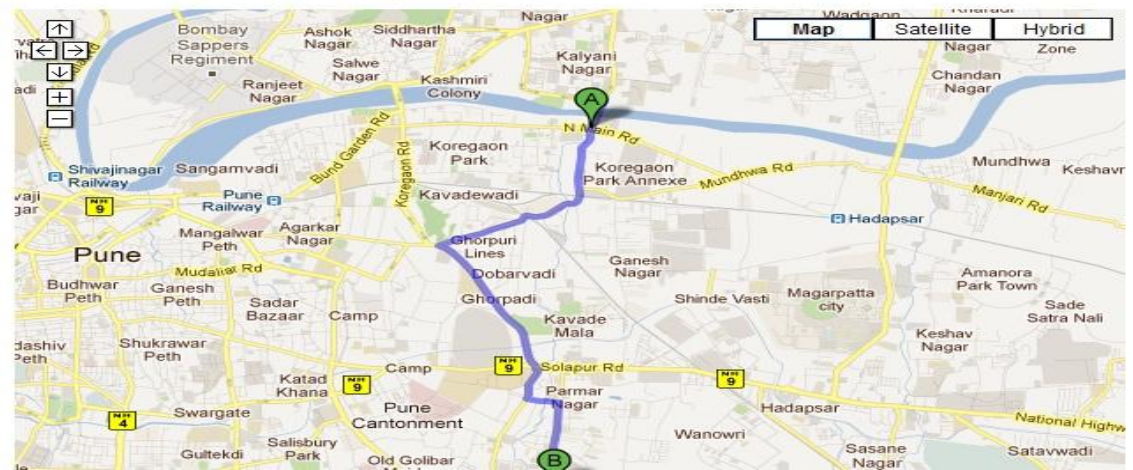
From Date:

To Date:

Total Distance:	1265.33 km	Average Speed:	40 km/hr
Total Run Time:	7 hrs 29 mins 18 secs		

Sr.No.	Start Location	Stop Location	Start Time	Stop Time	Distance (Km)	Duration	Show On Map
1	0.01 Km. from Siddharth Enclave, Lane no 10 ,Kalyani nagar ,Pune,MH	0.13 Km. from Kalyani Nagar- Kalyani Nagar,Pune,MH	11/18/2011 9:30:05 AM	11/18/2011 9:30:55 AM	0.27	0 minutes.	Show On Map
2	0.22 Km. from Siddharth Enclave, Lane no 10 ,Kalyani nagar ,Pune,MH	0.29 Km. from Kalyani Nagar,Pune,MH	11/18/2011 9:31:45 AM	11/18/2011 9:32:55 AM	0.28	1 minute(s).	Show On Map
3	0.3 Km. from Kalyani Nagar,Pune,MH	0.48 Km. from Koregaon Park,Pune,MH	11/18/2011 9:34:05 AM	11/18/2011 9:35:55 AM	0.79	1 minute(s).	Show On Map
4	0.47 Km. from Koregaon Park,Pune,MH	0.39 Km. from Wanwadi,Pune,MH	11/18/2011 9:36:00 AM	11/18/2011 9:53:55 AM	8.29	17 minute(s).	Show On Map

Start Location	Stop Location	Start Time	Stop Time	Distance (Km)	Duration
0.47 Km. from Koregaon Park,Pune,MH	0.39 Km. from Wanwadi,Pune,MH	11/18/2011 9:36:00 AM	11/18/2011 9:53:55 AM	8.29	17 minute (s).



As mentioned in the above screenshot you get-

- Total distance Covered
- Total Run Time
- Average Speed

✓ Summary Report

Summary Report

Select Vehicle:

From Date:

To Date:

Sr.No.	Date	Total Travelled Distance (Kms)	Total Duration
1	27/11/2011	20.440	2 hrs 49 mins 5 secs
2	28/11/2011	50.415	1 hrs 38 mins 30 secs
3	29/11/2011	59.666	2 hrs 44 mins 0 secs
4	30/11/2011	50.607	2 hrs 4 mins 0 secs
5	01/12/2011	50.133	1 hrs 47 mins 0 secs
6	02/12/2011	48.872	2 hrs 16 mins 35 secs
7	03/12/2011	72.849	3 hrs 20 mins 0 secs
8	04/12/2011	50.322	1 hrs 36 mins 25 secs
9	05/12/2011	48.080	1 hrs 37 mins 55 secs
10	06/12/2011	0.358	0 hrs 10 mins 50 secs
	Total	451.742	20 hrs 4 mins 20 secs

As mentioned in the above screenshot you get-

- Total distance Covered per day basis
- Total Run Time per day basis

Note: - We provide customization of our device in terms of size and features as well in web interface according to user requirements.

7. DEVICE SPECIFICATONS: -

- Single chip technology with RTOS
- Over the air Application upgrade feature anywhere in the world.
- GPRS, GSM and Signal strength indications in Packet
- Immobilizer port o/p
- Extend-able SOS wires.
- Built-in GPS AND GSM Antenna.
- 1 GPI and 1 GPO.
- 1 Analog in.
- VTS can be configured over the TCP server as well as SMS
- Wavecom Chipset inside (now Sierra Wireless)
- GSM based (Cell site) location possible in the case of no GPS.
- SMS based data possible in no GPRS zone
- One Transparent Serial port (RS232) possible on different server at same time possible
- Mechanical dimension is L130xW80xH40 mm.
- Accurate Odometer counting (distance travelled)
- Operating voltage range is 8Volt to 40 Volt DC with 0.8 watt consumption on maximum load.

8. DEVICE FEATURES: -

- Built in 1000 nos. Data packet storage.
- 20 locations with radius can be define for individual entry and store also can be generate alerts on server as well as on SMS
- Backup battery for 8 to 12 Hrs.
- Mains power disconnection alert
- Box Tampering Alert
- Internal and external battery voltages
- 1 Call and 1 MSG button*
- LED for miss call alert*
- Spy call (silently activate through SMS)

* Based on client's requirement we will provide the solution.

9. Why **SVTRACK** GPS Solution's?

- ✓ Homemade (i.e. **Self Manufactured**) device makes us possible to opt maximum advantages and customize it as per the requirement.
- ✓ Our **Friendly Web Application** helps our customers to get flexible and detailed reports.
- ✓ **Quick and fast support team** to solve your problems at any end.
- ✓ No need to change the device for any add-on features later required.
- ✓ **Latest technology utilized** to build the device and Web Application as well.
- ✓ **Comparatively better features**, are all time available for your benefit.
- ✓ **100% No harm assured to vehicle wiring or vehicle** by installation of device.
- ✓ **0% data loss chances**.
- ✓ R & D team engaged to provide you better benefits every time.
- ✓ **India's most reliable** and upcoming brand name in **Vehicle Tracking System**, that everybody can trust on.



We do appreciate and realize your efforts taken, to satisfy your customers in transportation service. That's why we put all our efforts to provide you the best solution ever, which will ease your work, keep update with the progress of your transport service and maintain the accurate record of your every vehicle.

It's time to take smarter approach towards transport services, reduce your unexpected expenses on your vehicles and bring accuracy

to the pick & delivery process. Use **SVTRACK** and be worry free.



Electronics & GPS Systems

9. CONTACT: -

Mr. Vishnu Halkare

M: +91 99220 40001

Email: svtrackpune@gmail.com

SVTRACK Electronics & GPS Solutions

Contact Office:

D-501, Royal Imperio,

Opp. Happy thoughts,

Rahatni: Pune 411017.

Maharashtra, India.

www.svtrack.in