



*School Bus Tracking*



# Importance of School Bus Tracking

-To answer below questions

“

*When will my child's bus arrive to pickup/drop ?*

*Has my child entered into bus ?*

*Is conductor behaving properly in bus ?*

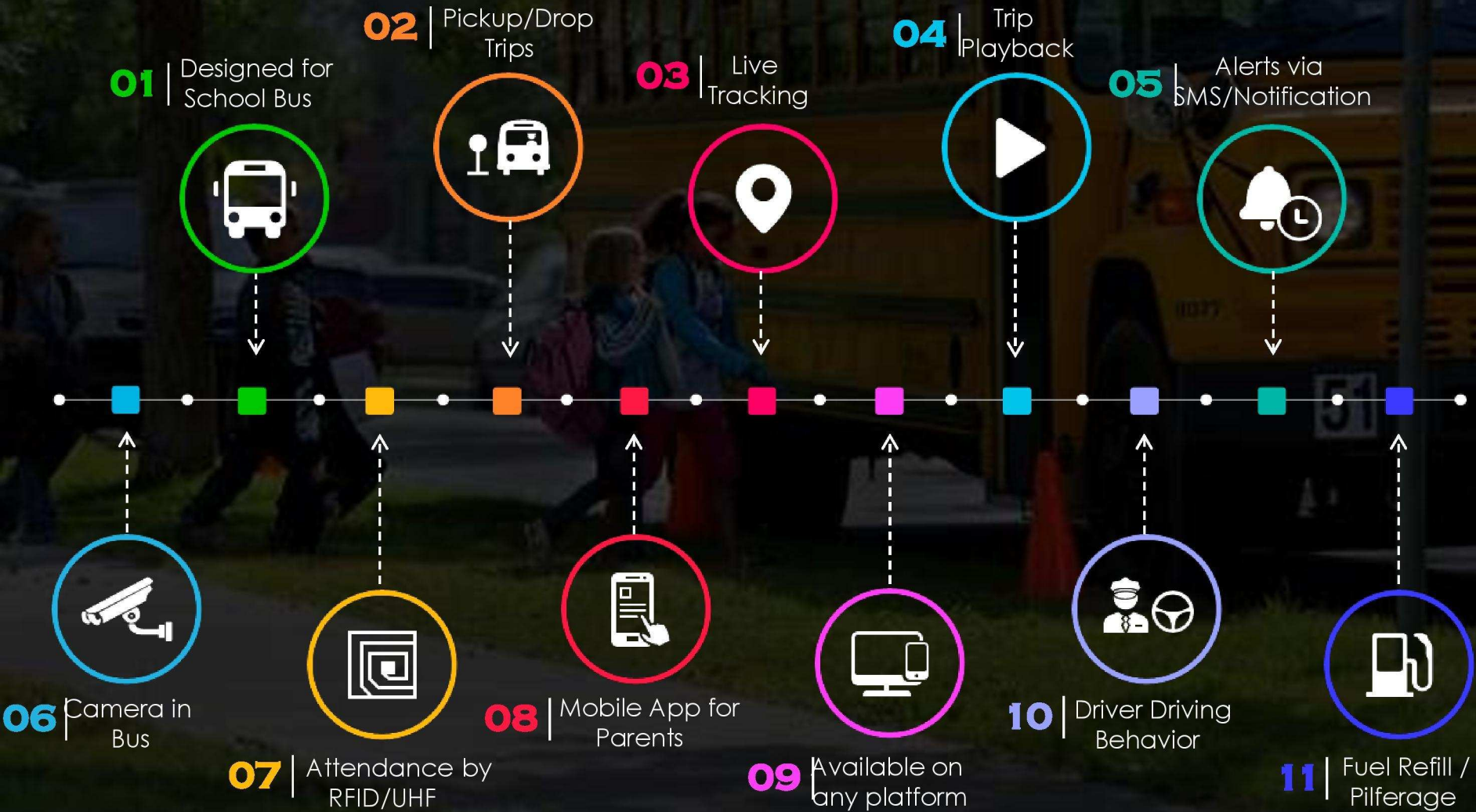
*Is bus driver driving properly ?*

*Where is my child's bus right now ?*

*Is there any delay on bus arrival ?*

”

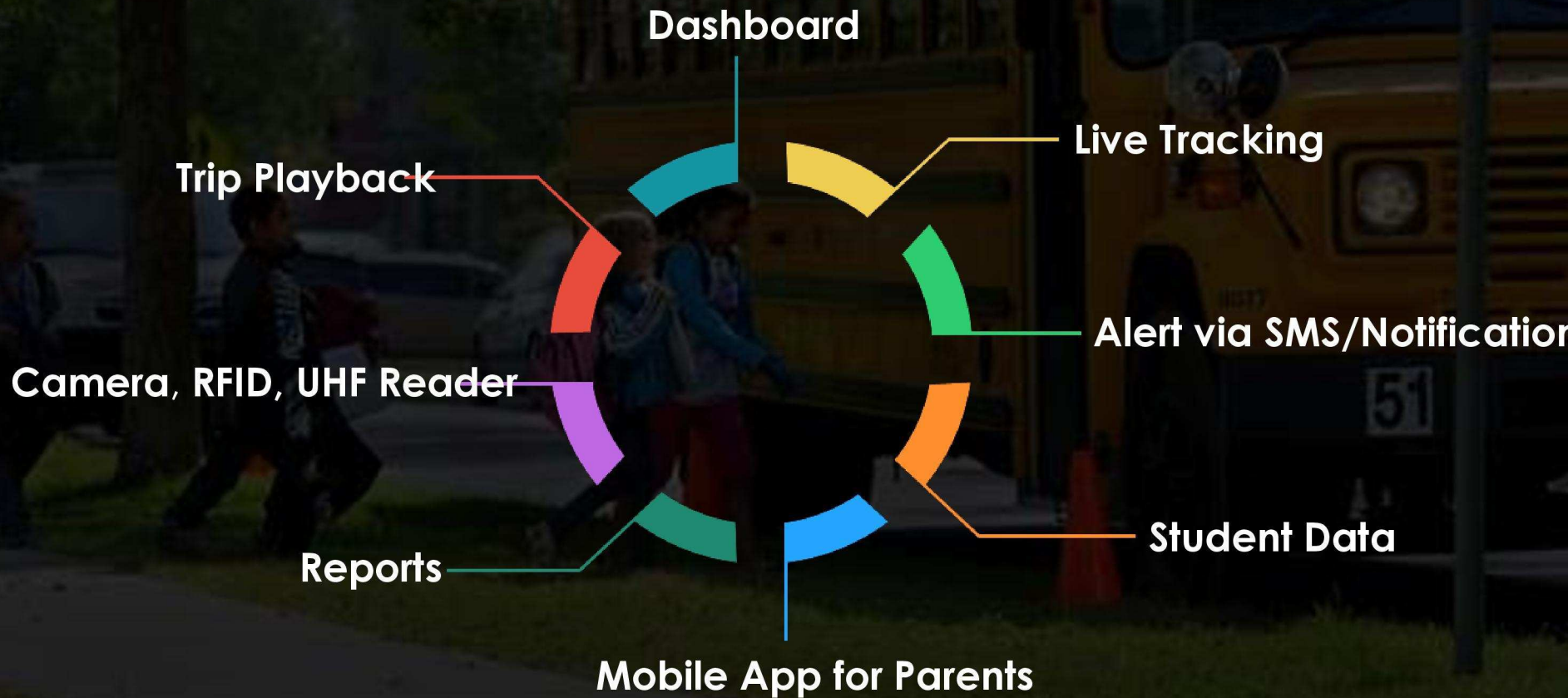
# Highlights of Tracking





# Features

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# Features >> Dashboard

Snapshot of all your School Bus' current activity with detailed information like,

- Bus Location
- Bus Speed
- Distance Covered
- Running Duration
- Idle Duration
- Parking Duration
- Number of Alerts
- and many more...

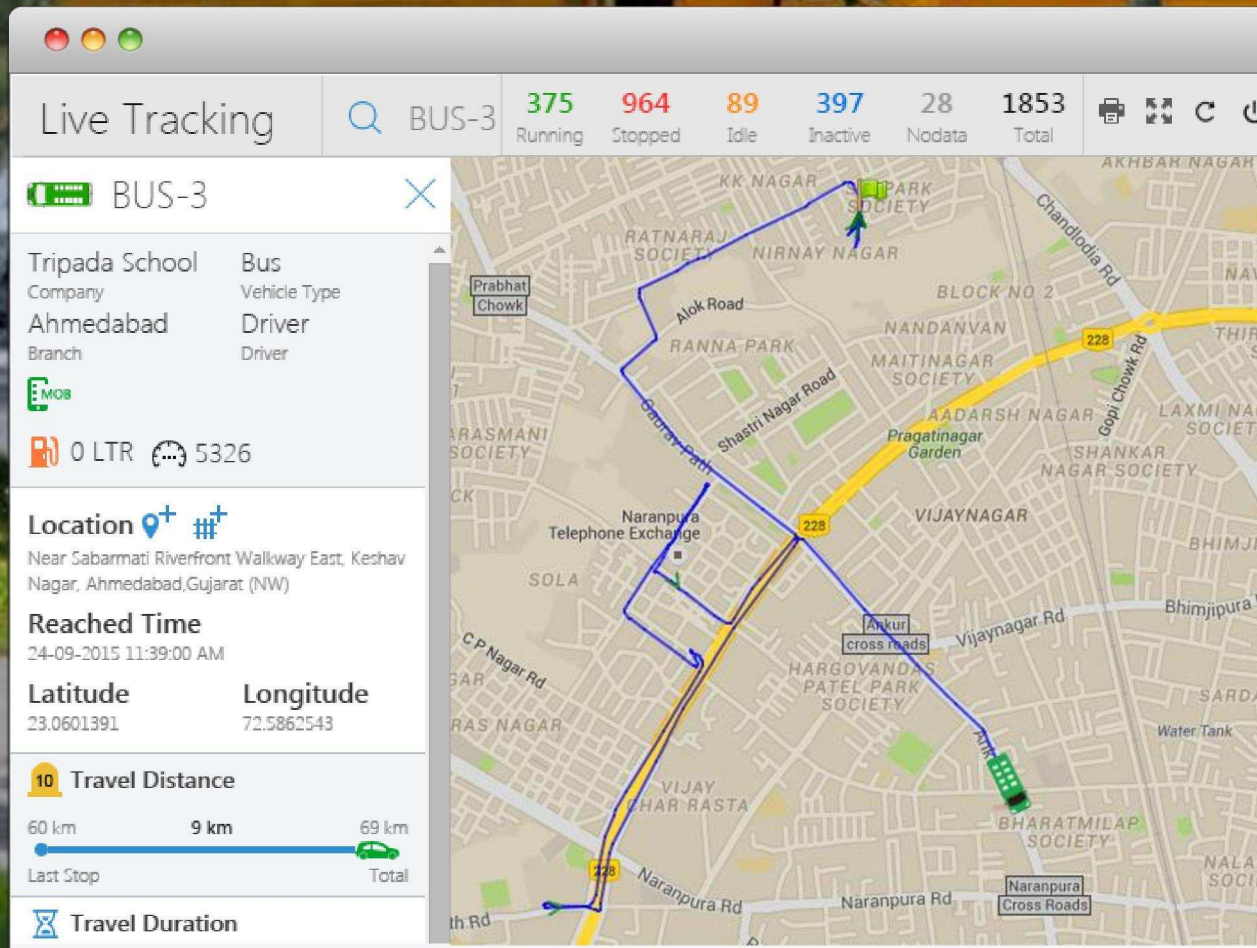




# Live Tracking

View all your School Buses on single screen with detailed information like,

- Bus Location
- Bus Speed
- Travelled Kilometer
- Traveling Time
- Odometer (Km)
- Ignition Status
- Battery Status
- Door Status
- AC Status
- and many more...

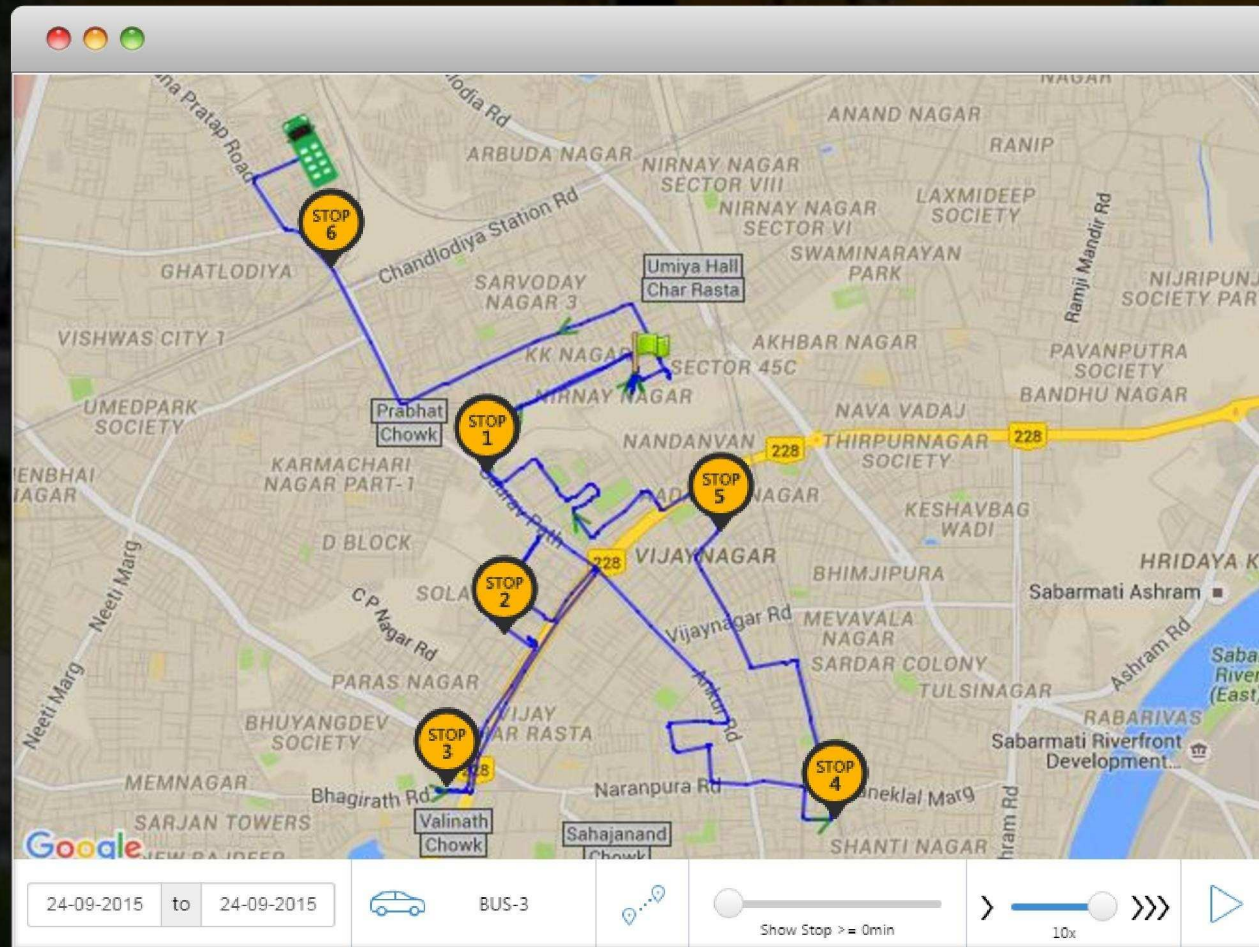




# Trip Playback

Trip playback for all your School Buses with detailed information like,

- Total Pickup/Drop Points
- Pickup/Drop Location
- Pickup/Drop Time
- Bus Speed
- Travelled Kilometer
- Traveling Time
- Unplanned Stoppage
- and many more...





# Device Integration

Variety of device can be integrated like,



Camera

RFID / UHF Reader





# Device Integration → Camera

Camera in bus help us to keep track on many security concerns like,

- **Student Behavior**
- **Conductor Behavior**
- **Regulation of Govt. Law for School Bus**



Camera





# Device Integration → RFID/UHF

RFID / UHF reader are used to get attendance of student,

- SMS/Notification to parents when their child
  - entered into Bus
  - reached at School

Hello  
Sir/Madam,  
Your child  
has been  
picked up  
from your  
location.



Hello  
Sir/Mada  
m,  
Your child  
has  
reached  
school.



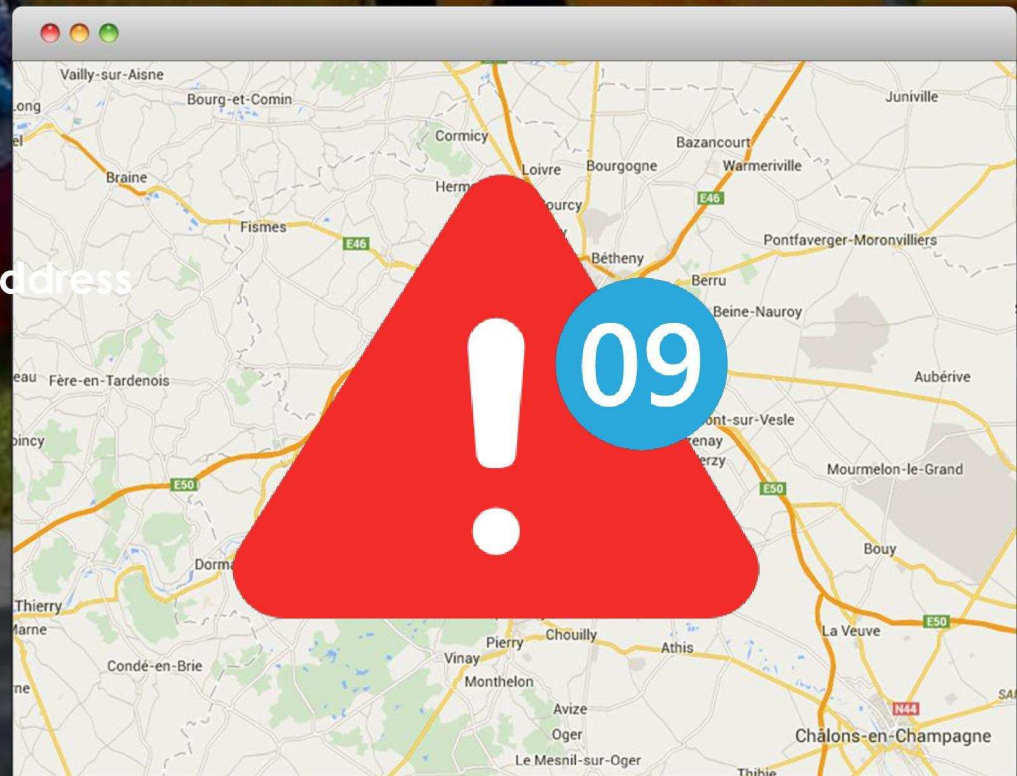
RFID / UHF  
Reader



# Alert via SMS/Notification

Large variety of alerts like,

- Bus Arrival for Pickup
- Bus Arrival for Drop
- Bus Delay
- Bus Reached School
- Depart from School
- Student step into bus
- Student left from bus
- Student being absent in the Bus
- Missed Pickup
- Missed Drop
- Student entered into wrong Bus
- Student have left the bus at wrong address
- and many more...




# Student Data

Easily manage Student data like,

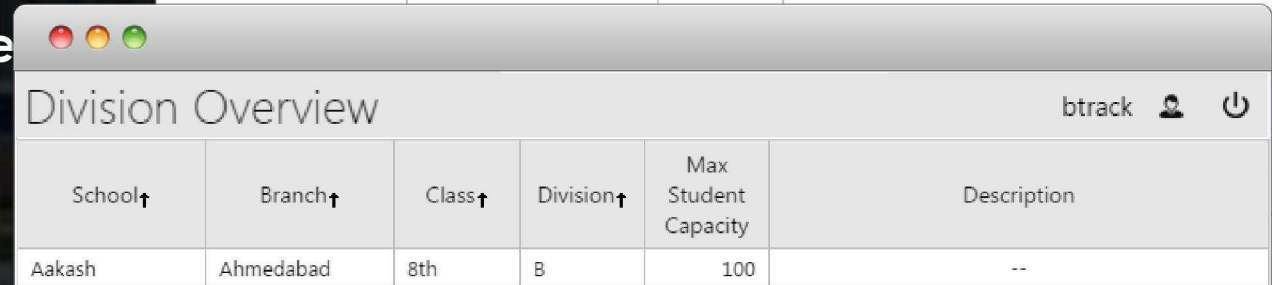
- Class
- Division
- Parent Details
- Student Details
- **and many more**





Class Overview

btrack  

School↑	Branch↑	Class	Description
Aakash	Ahmedabad	8th	--



Division Overview

btrack  

School↑	Branch↑	Class↑	Division↑	Max Student Capacity	Description
Aakash	Ahmedabad	8th	B	100	--



Parent Information Overview

btrack  

School↑	Name↑	Gender	Profession	Address	Mobile Number
AMBICA	Jaydeep Desai	Male	Business	Halar, Valsad	1234564561



Student Overview

btrack  

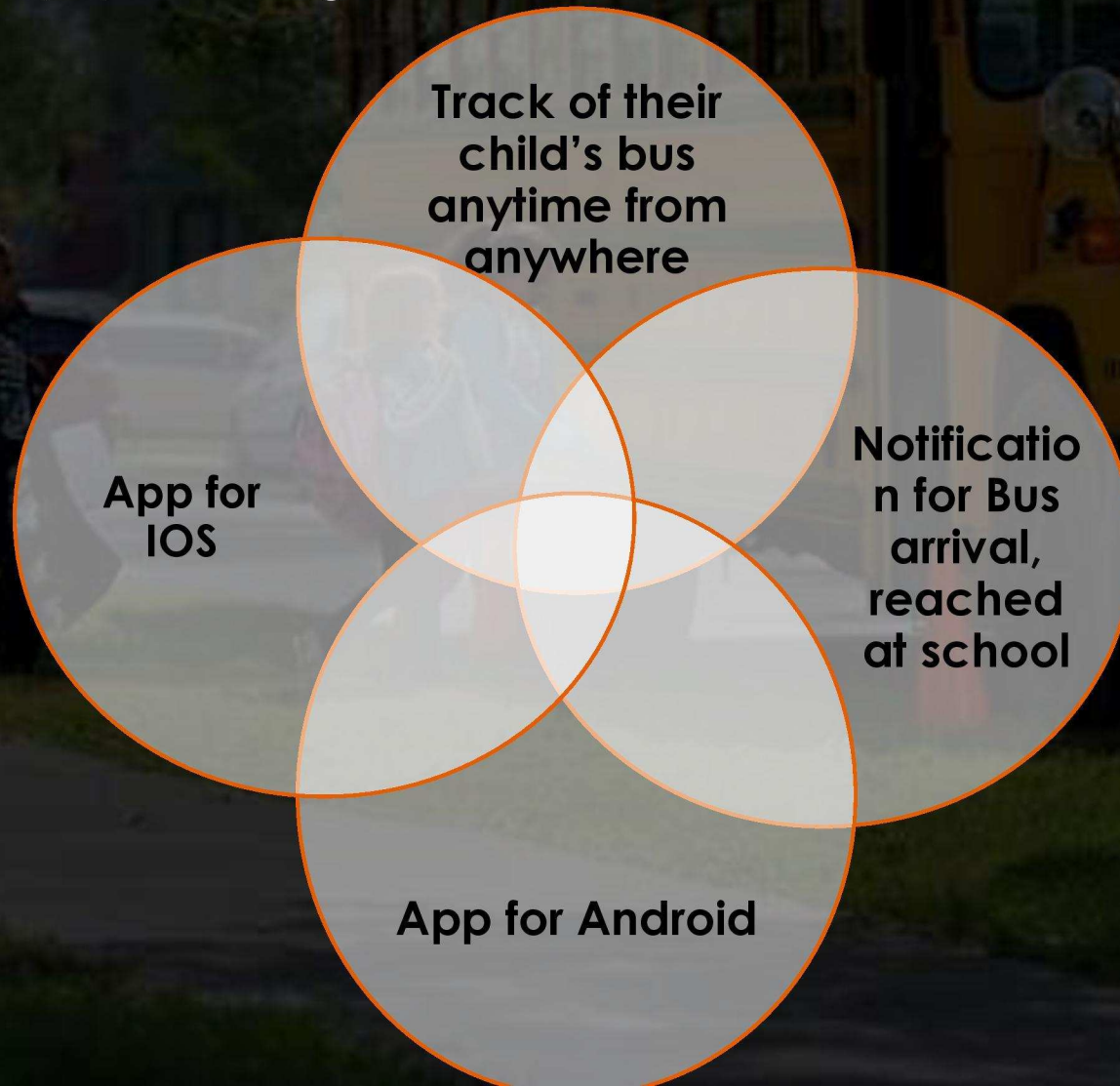
School↑	Branch↑	GR Number	Student Name↑	Birth Date	Gender	Address
AMBICA	SURAT	555	Aadi Desai	02-07-2007	Ma	Halar, Valsad
HANNU	SURAT	123	Palak Desai	01-09-2005	Fer	valsad, valsad



# Mobile App for Parents

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Mobile App helps parents to get,





# Reports

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







# Features >> Reports >> Pickup/Drop Trips

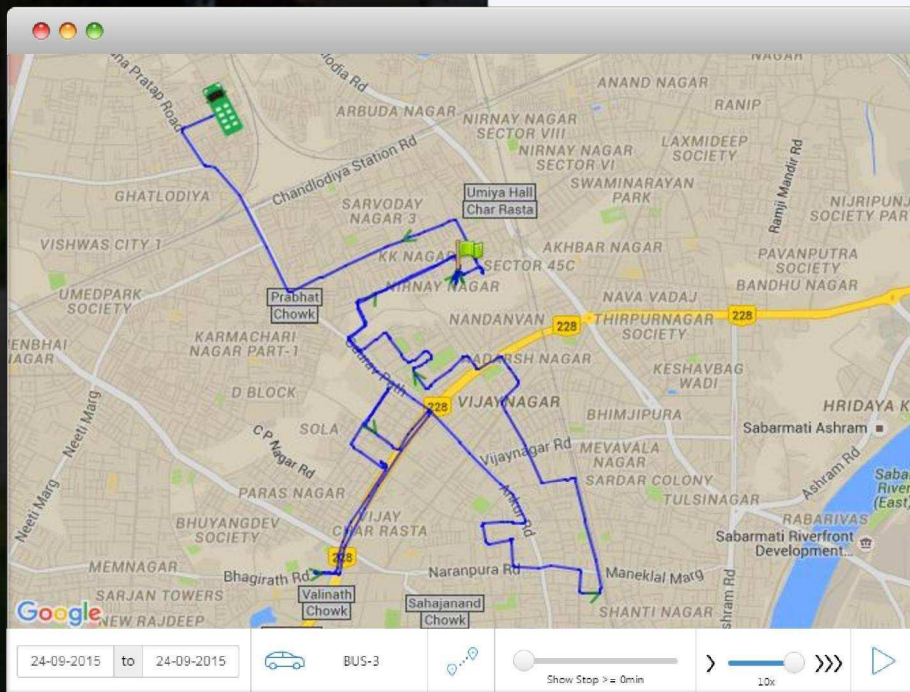
Pickup/Drop Trip Summary and Detail with information like,

- Trip Type
- Number of Student on Pickup/Drop
- Departure
- Arrival
- Vehicle Max Speed
- Travelled Kilometer
- Traveling Time
- **and many more...**

Pickup-n-Drop Trips

btrack

School↑	 Vehicle	 Driver	Trip Type	Departure↓	Arrival	Pickup/Drop	 Distance	 Running	 Idle	 Stop	 AVG	 MAX	Alerts
HANNI	GJ 5 AZ 6	DRIV	picku	24-09-2015 12:00 AM	24-09-2015 01:25 PM	2/6	280.1	07:37	00:00	05:52	37	64	0





[illegible]

This report will show you trip wise attendance of student.  
This report is generated with detailed information like,

- From where and when student gets into the Bus
- Number of Student on Pickup/Drop
- **and many more...**

[illegible]



# Reports >> Non-Professional Usage

School management has a biggest challenge how they can save their assets(School Bus).  
On Working time they can watch on their assets but not all the time.  
Our unique report will solve their problem without big hustle.  
This report will give them detailed information like,

- Travelled Kilometer
- Planned Travelled Kilometer
- Unplanned Travelled Kilometer
- Planned Travelled Duration
- Unplanned Travelled Duration
- **and many more...**

Non Professional Usage									btrack		
School↑	Vehicle↑	Driver	Total Distance↓	Planned Distance	UnPlanned Distance	Total Duration	Planned Duration	UnPlanned Duration			
Tripada	YM - Gj-1-DU-5270	Driver	142.67	0.0	142.67	05:49	00:00	05:49			
Tripada	BUS-3 - Gj-01-BV-9110	Driver	120.84	0.0	120.84	05:59	00:00	05:59			
Tripada	BUS-10 - BUS	Driver	106.53	0.0	106.53	05:29	00:00	05:29			
			105.61	0.0	105.61	05:03	00:00	05:03			
			104.0	0.0	104.0	05:41	00:00	05:41			
			77.55	0.0	77.55	04:46	00:00	04:46			
			73.12	0.0	73.12	03:12	00:00	03:12			
			56.75	0.0	56.75	04:05	00:00	04:05			

Non Professional Usage Detail									btrack		
YM - Gj-1-DU-5270 - 356173061513243 from 24-09-2015 12:00:00 AM to 24-09-2015 07:50:00 PM											
Travel Type	Trip Start Time↑	Trip Start Location	Distance	Running	Idle	Stop	Trip End Time	Trip End Location			
Unplanned	24-09-2015 05:49 AM	Near 64, Madhuv	142.67	05:49	00:07	08:02	24-09-2015 07:49 PM	Near 6, Sector 8,			



# Features >> Reports >> Driver Performance

Now a days biggest concern for Parents and School is about driver.  
Parents and School are always thinking that their child's driver is driving proper or not.  
We have introduce unique report which will give you driver's driving behavior.  
This report is generated with detailed information like,

- Driver Name
- Travelled Kilometer
- Traveling Time
- Vehicle Average Speed
- Vehicle Max Speed
- Over Speed
- Harsh Acceleration
- Harsh Breaking
- Seat Belt



Driver Performance Summary											btrack		
School↑	Branch↑	Driver	Distance↓	Running	AVG	MAX	Over Speed	Harsh Accelerat	Harsh Breaking	Seatbelt			
HANNU	SURAT	DRIVER	297.94	08:37	35	64	00:05	0	0	00:00			
Tripada School	Ahmedabad	Driver	142.47	05:58	24	72	00:21	0	0	00:00			
Tripada School	Ahmedabad	Driver	120.66	06:01	20	55	00:00	0	0	00:00			
Tripada School	Ahmedabad	Driver	106.46	05:29	19	67	00:01	0	0	00:00			
Tripada School	Ahmedabad	Driver	105.48	05:04	21	63	00:00	0	0	00:00			
Tripada School	Ahmedabad	Driver	103.72	05:45	18	71	00:02	0	0	00:00			
Tripada School	Ahmedabad	Driver	76.79	04:49	16	47	00:00	0	0	00:00			
Tripada School	Ahmedabad	Driver	72.85	03:10	23	73	00:02	0	0	00:00			
Tripada School	Ahmedabad	Driver	56.19	04:15	13	47	00:00	0	0	00:00			
AMBICA	SURAT	DRIVER	0.0	00:00	0	0	00:01	0	0	00:00			
Tripada School	Ahmedabad	ABC DEF	0.0	00:00	0	0	00:00	0	0	00:00			













# Travel Report

Vehicle's Travel report in Summary and Detail with information like,

- Start/End Location
- Travelled Distance
- Max Stoppage Duration
- Vehicle Average Speed
- Vehicle Max Speed
- Travelled Kilometer
- Traveling Time
- **and many more...**

Travel Summary

btrack

 Vehicle↑	 Driver	 Start Location	 Distance↓	 Running	 Idle	 Stop	 Inactive	Max Stoppage	No of Idle	 AVG	 MAX	Over speed	 Alert	 End Location
			1199.0	51:58	03:47	329:19	165:40	255:16	28			4	90	
GJ-10-TV-3370 - B2	Driver	Near Unn	118.36	03:47	00:00	02:20	06:22	01:34	0	31	83	3	3	At kalyan
GJ3AW 9773_08 - Bus	Driver	Near Falc	111.76	03:21	00:36	08:32	00:00	04:55	4	33	68	0	2	Near 150
GJ3AW 9673_09	Driver	Near Falc	107.87	03:04	00:04	09:22	00:00	05:08	1	35	76	0	1	1.07 km fr

Travel Detail Report

btrack

GJ-10-TV-3370 - B2 - Driver - 356173062426536 for 24-09-2015






Vehicle↑	Date	Time↑	IGN	Location	Speed	Distance	Map
						119034	
GJ-10-TV-3370	24-09-2015	06:21:44 AM		Near Unnamed Road, Green City, Jamnagar,Gu	2	0	
GJ-10-TV-3370	24-09-2015	06:25:15 AM		Near Unnamed Road, Green City, Jamnagar,Gu	4	32	
GJ-10-TV-3370	24-09-2015	06:25:16 AM		Near Unnamed Road, Green City, Jamnagar,Gu	7	2	
GJ-10-TV-3370	24-09-2015	06:25:31 AM		Near Unnamed Road, Green City, Jamnagar,Gu	12	78	
GJ-10-TV-3370	24-09-2015	06:25:32 AM		Near Unnamed Road, Green City, Jamnagar,Gu	11	4	
GJ-10-TV-3370	24-09-2015	06:25:33 AM		Near Unnamed Road, Green City, Jamnagar,Gu	11	3	
GJ-10-TV-3370	24-09-2015	06:25:34 AM		Near Unnamed Road, Green City, Jamnagar,Gu	8	3	
GJ-10-TV-3370	24-09-2015	06:25:35 AM		Near Unnamed Road, Green City, Jamnagar,Gu	5	2	
GJ-10-TV-3370	24-09-2015	06:25:36 AM		Near Unnamed Road, Green City, Jamnagar,Gu	8	2	
GJ-10-TV-3370	24-09-2015	06:25:49 AM		Near Unnamed Road, Green City, Jamnagar,Gu	35	102	
GJ-10-TV-3370	24-09-2015	06:26:01 AM		Near Jamnagar - Samana Road, Green City, Jar	29	106	



# Speeding Report

Bus Manager always want to see that their driver must not do speeding. For solving this issue we have given speeding report. Speed vs. Distance report is generated with detailed information like,

- Vehicle Name
- Driver Name
- Travelled Kilometer
- Travelled km in different speed range

Speed vs Distance								
btrack  								
Travelled km in below speed range								
 Vehicle↑	 Driver	 Distance	0-20	21-40	41-60	61-80	81-100	101-120
		777.53	286.13	350.81	113.34	27.25	0.0	0.0
BUS-10-BUS	Driver	106.54	36.38	51.99	17.18	0.99	0.0	0.0
BUS-3-Gj-01-BV-9110	Driver	118.61	38.52	63.79	16.3	0.0	0.0	0.0
BUS-4-Gj-1-AX-9111	ABC DEF	0.28	0.28	0.0	0.0	0.0	0.0	0.0
BUS-5-GJ-1-AZ-9860	Driver	100.79	41.55	42.16	15.66	1.42	0.0	0.0
BUS-7-Gj-1-BV-9072	Driver	104.19	35.09	47.12	21.7	0.28	0.0	0.0
BUS-8-GJ-1-CX-6455	Driver	77.55	36.74	40.01	0.8	0.0	0.0	0.0
BUS-9-GJ-1-CY-9254	Driver	57.15	31.85	24.4	0.9	0.0	0.0	0.0
WM-GJ-1-BU-5273	Driver	72.02	20.16	33.41	16.28	2.17	0.0	0.0
YM-Gj-1-DU-5270	Driver	140.4	45.56	47.93	24.52	22.39	0.0	0.0

# Thank You

