

TrackMagic™ For Schools



Track Magic is a solutions driven company promoted by IITians (Indian Institute Of Technology) and Ex defence scientist of DRDO www.drdo.gov.in in the year 2000. Our group companies have provided services in major projects for prestigious clients like DRDO (Defence Research & Development Organisation), Indian Coast Guards, ONGC Videsh Ltd., Indian Navy BECIL, NSC, HCL Technology, DDCA and Radio France International.

Track Magic has provided RFID tracking solution to prestigious AERO INDIA SHOW 2009. The same technology has been used in creating "Track Magic"-next generation tracking application meant for safety & security of our precious school children during their travel to school and back.

Track Magic has multi-purpose advantages for parents, students, schools and bus operators.



Parents

SMS delivery to the parents for-

Bus timings for pick up and drop

School arrival and departure times

Real time school bus tracking and monitoring

Automatic alerts in case child being dropped at wrong stop

Alarm generation in case of emergencies.



School Management

Student attendance through RFID tags

Real time school bus tracking and monitoring

Instant view for all buses as well as single bus view

School bus location, speed, and direction

Automatic alerts in case student being dropped at wrong stop

Alarm generation in case of emergencies

Panic buttons along with shock sensors for emergencies



Bus Operators

On-board logging of door, temperature, oil and fuel status

Route and Fleet optimization with mileage and duration

Speeding and Idling of Bus

Panic buttons along with shock sensors for emergencies

Active Geo-fencing for added security and safety

Scope of work

We shall provide a whole gamut of services which inter-alia includes: –

- 1) Installation of the **Track Magic** device in the vehicles prescribed by the school.
- 2) Customization of the hardware/software.
- 3) Creation of Student data for server hosting.
- 4) To train school personnel for creation of bus route plans.
- 5) Creation of Geo-fencing for setting up Alerts.
- 6) Installation of RFID reader in the vehicle for "*On-Board* attendance".

- 7) One set of RFID card for each student.
- 8) To provide technical support for hardware & software configuration.
- 9) To provide the license key to the school and the parents for accessing the Website.
- 10) To send short message service (SMS) notifying:
 - a. Expected arrival time of the school vehicle for pick up
 - b. The arrival of the student in the school premises
 - c. Boarding of the student in the designated vehicle
 - d. Expected arrival time of the school vehicle at the designated *stop*.
- 11) Customized MIS reports.

Features of TrackMagic™

Track Magic offers multi-purpose advantages for parents, students, school and bus Operators detailed as below:-

1. Real time school bus tracking and monitoring
2. Student attendance through RFID tags
3. SMS delivery to the parents for-
 - Bus timings for pick up and drop
 - School arrival and departure times
4. Instant view of all buses as well as single bus view
5. On-board logging of door, temperature, oil and fuel status
6. School bus location, speed and direction
7. Route and Fleet optimization with mileage and duration
8. Speeding and Idling of Bus
9. Buzzer on the student being dropped at wrong stop
10. Automatic alerts to school and parents on student dropped at wrong stop with time & location
11. Alarm generation in case of emergencies
12. Two-way communication thru SMS
13. Panic buttons along with shock sensors for emergencies
14. Active Geo-fencing for added security and safety.