



AJEEVI School Bus Tracking Solution



Ajeevi Technologies Pvt. Ltd.

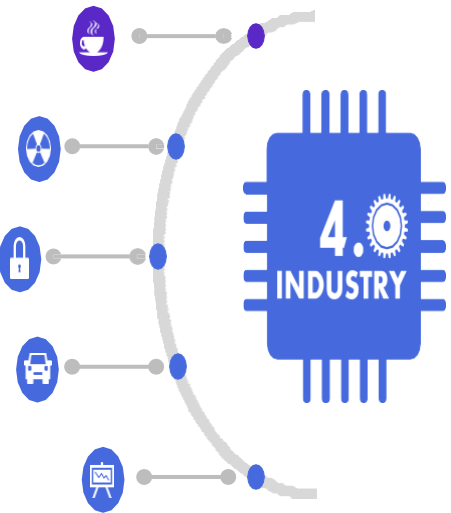


Who we are

A FULL STACK IOT Solution Company (ISO 9001, ISO 27001, ISO 20000, CMM L-5, MSME, CE, ROHS Certified)

IOT Solution Provider with in-house Research and Development capabilities

Solutions Implementations for Safe Cities, Smart Cities, Various domains like Transport, Waste



Vision

Building
Sustainable
Future

Mission

IOT Solution
Pioneer
[Solid Waste
& Transport]

Quality Policy

100% defect free
solutions

Ajeevi – AIoT Solution Provider



Products & Solutions

- In-house developed IoT devices like Temp Sensor, GPS, RFID tag, reader, QR code etc.
- Software Solutions
- Mobile Apps

- 25+ Clients
- 15+ Smart Cities
- 15+ Mn Lives touched

Business Areas:

- Transport & Logistics
- Waste Management
- Smart City Solutions, ERPs, Custom Software
- FMCG & Retail, Warehouses
- IoT devices, Command Control Centre



Our Clients:





An Introduction to School Bus Tracking Solution




- IoT-enabled GPS ensures precise location tracking for safety.



- Geofencing, via IoT, triggers alerts when buses enter predefined zones.



- Mobile apps offer real-time access for communication.



- Robust IoT security protocols ensure the integrity and confidentiality of data transmitted within school bus tracking systems

Stakeholders in School Bus Tracking Solution

Parents

- Supervise at bus stop
- Stay informed
- Prepare for emergencies.



School Administration

- Communicate with parents,
- Manage resources,
- Enforce safety.



Stakeholders

Bus Driver

- Follow routes and rules
- Respond to emergencies.
- Inspect bus



Children

- Arrive on time.
- Follow rules.,
- Report concerns



Objective

Student's Safety :

The primary objective is to ensure the safety and well-being of students during their school bus commute. This involves real-time tracking of buses, monitoring student attendance, promoting safe behaviour on buses, and implementing emergency response protocols to handle unforeseen situations.

Parent's Peace of Mind :

Provide parents and guardians with real-time information about their child's whereabouts and safety during the school bus commute to enhance their peace of mind.

Improved Operational Efficiency :

The project aims to improve the efficiency of school bus transportation. This includes optimizing bus routes and schedules to reduce travel time and fuel costs, as well as streamlining communication between parents, school administrators, and bus drivers to address issues promptly and provide real-time updates on routes and delays.



Challenges faced by Stakeholders



Parents / Students

- Uncertainty about the bus's arrival time at the bus stop
- Dealing with bus delays, unexpected changes in routes, or last-minute notifications



School Administration

- Ensuring efficient and safe bus routes while addressing parental concerns and feedback



Bus Driver

- Lack of clear communication from the school or transportation department regarding route changes or emergencies



Solution



AJEEVI Automated Vehicle Location Solution(AVLS)

Real Time Tracking

Geo Fencing

Ignition Control

Alerts & Notifications

Route Deviation

Reports & Analytics

What is it?

The AVLS is a solution that can track the school bus in real-time.



How does it work?

AVL systems utilize GPS to track and transmit a vehicle's current location in real-time, enabling remote monitoring and management for improved efficiency and tracking.



How does it help?

It ensures convenience and safety at the same time . It is useful for the parents , drivers and school management.



AJEEVI Automated Vehicle Location Solution(AVLS)



School Bus

Challenges

- Tracking of Vehicle
- Identifying in between stoppages
- Route deviations
- Compliance violations

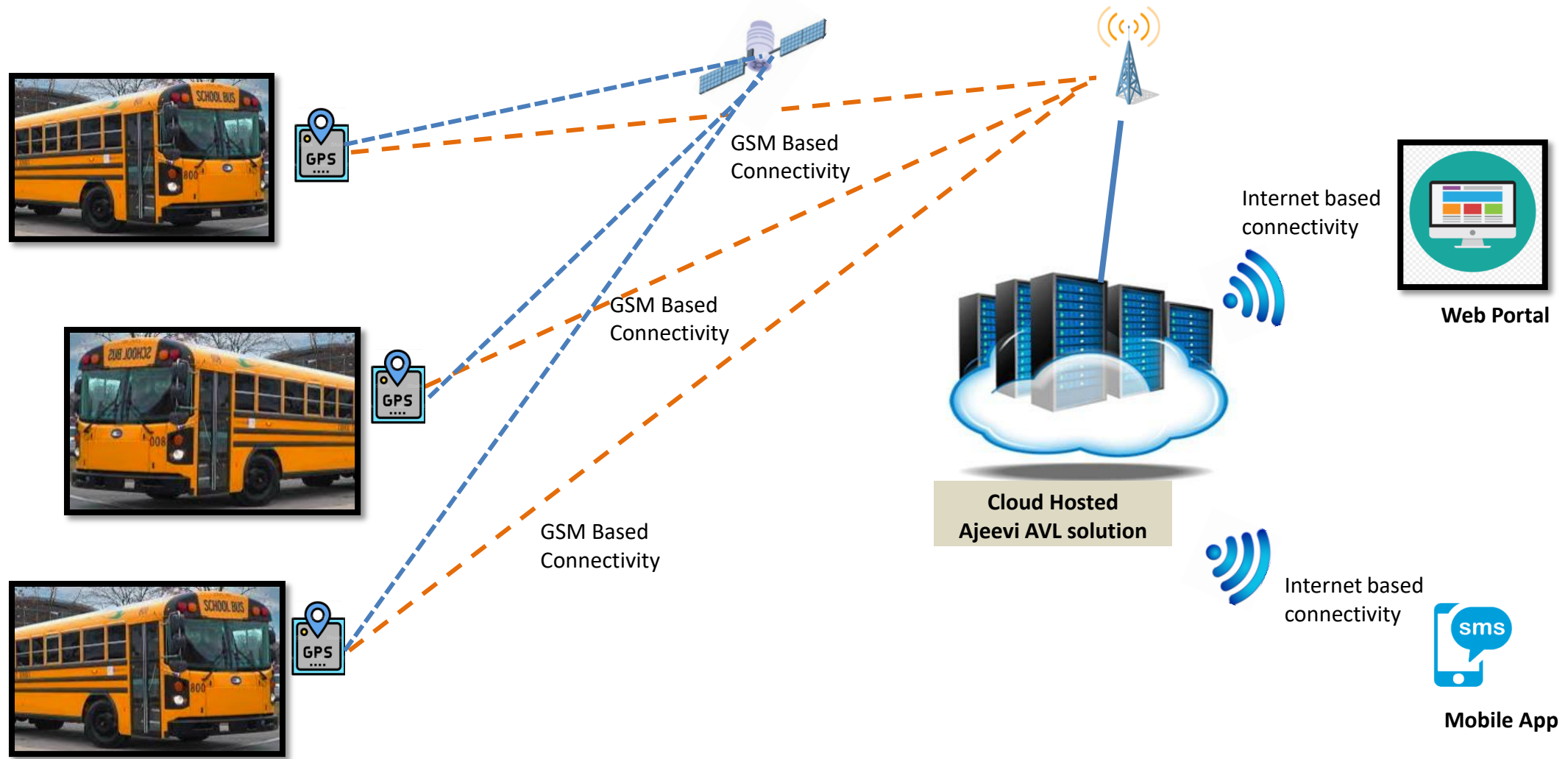


Solution

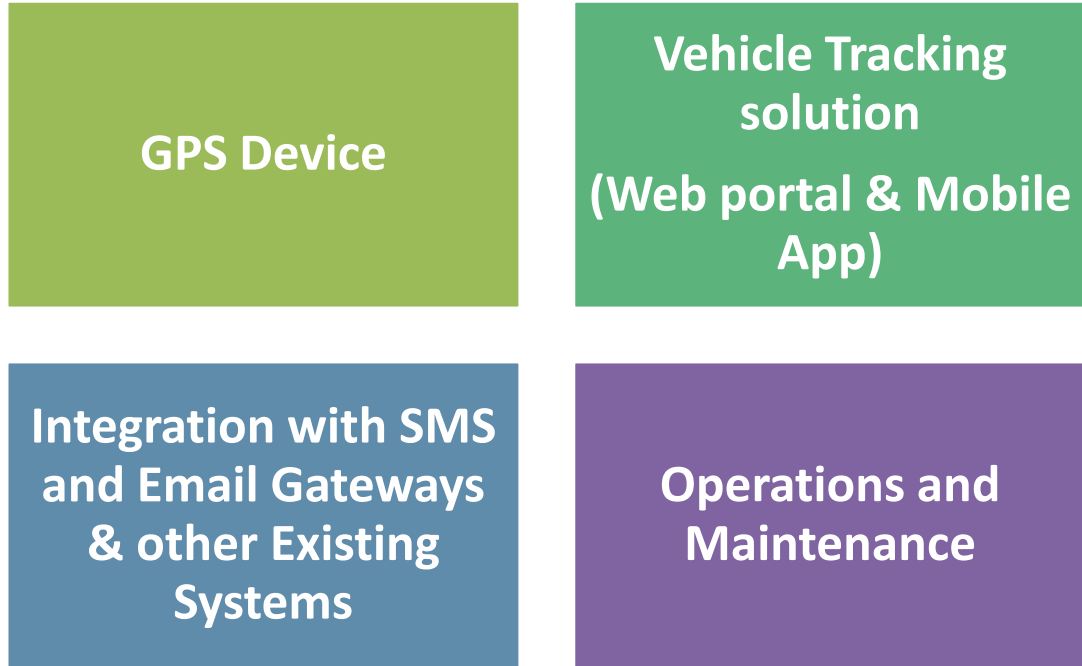
Proposed Solution

- GPS based Vehicle Tracking
- Real time vehicle movement monitoring
- Alerts & Notifications in case of route deviations
- Compliance checking and monitoring

AJEEVI Automated Vehicle Location Solution(AVLS)



AJEEVI AVLS Solution Components



Benefits

Real time tracking of moving vehicles along with route and stoppages tracking

Web / SMS / Email Alerts for temperature deviations for route deviations, unnecessary stoppages etc.

Better transportation efficiency

Vehicle Management and Maintenance including scheduling and planning for vehicles

Incident & SLA reporting, Dashboarding & Reporting

Our Existing Similar Implementations

| S. No. | Clients | AJEEVI Solutions | No. Of Vehicles |
|--------|--------------------------------------|--|-----------------|
| 1 | Antony Road Transport Solutions | Fleet Management System. , Bus Management System. , Vehicle Planning & Scheduling Mgmt. , Incident Management, Stock Management. , Business Intelligence , Fuel Management, AVLS | 1200 |
| 2 | National Highways Authority of India | Emergency Response System | 1800 |
| 3 | Delhi Transport Corporation | Software for generating daily reports of monitoring cell & printing of monthly operational statistics book of DTC | 3800 |
| 4 | Patna Smart City | Vehicle Tracking System | 350 |
| 5 | Karimnagar Smart City | Vehicle Tracking Solution | 160 |
| 6 | SAMA Printers | Vehicle Tracking Solution | 582 |
| 7 | Bharat Electronics Limited | Passenger Information System , AVLS , GPS Implementation Services | 271 |
| 8 | NTPC | Vehicle Tracking Solution | 20 |
| 9 | Blue Planet | Vehicle Tracking Solution | 12 |

Ajeevi Empanelled with CDAC for ITMS Solutions

प्रगत संगणन विकास केन्द्र
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी मंत्रालय, भारत सरकार की एक वैज्ञानिक संस्था
A Scientific Society of the Ministry of Electronics and Information Technology, Govt. of India

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भारत 2023 INDIA

Ref No. : EOI/NCMC/ITMS/01/2022-2023/001

May 31, 2023

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Subject: Application for Empanelment as ITMS Partner against Eoi-Ref Number:
EOI/NCMC/ITMS/01/2022-2023 dated 27-09-2022

AJEEVI Presence



→ 10 states

**Geographical
Presence**



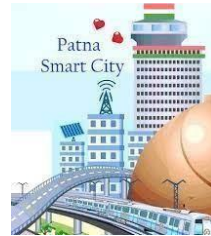
→ 120+ Mn

**Lives
Touched**



→ 15

**Smart Cities
Footprints**





THANK YOU

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