



## Client Background:

Andhra Pradesh State Beverages Corporation Limited (APSBCL) is a public sector undertaking of the Government of Andhra Pradesh, India. It is responsible for the wholesale and retail sale of alcoholic beverages in the state of Andhra Pradesh, India. APSBCL has a fleet of vehicles that are used to transport alcohol from its warehouses to its retail outlets.

## Challenges Received by the Organization:

APSBCL faced several difficulties in efficiently managing and monitoring its fleet of vehicles, which included trucks and vans responsible for the transportation and distribution of alcoholic beverages. The key challenges were:



## Real-time Visibility Challenge:



APSBCL struggled with the absence of real-time visibility into the locations of its diverse fleet of vehicles, comprising trucks and vans. This lack of instantaneous tracking hindered the corporation's ability to optimize logistics and respond promptly to dynamic distribution needs.

## Vehicle Data Tracking Difficulty:

The organization faced challenges in effectively tracking and checking crucial vehicle-related data such as fuel entries, servicing records, and repair/maintenance statuses.



## Leased or Rented Vehicle Monitoring Challenge:

APSBCL encountered difficulties in overseeing vehicles that were leased or rented to external parties. This lack of monitoring raised concerns about the usage, condition, and compliance of these vehicles, potentially impacting the corporation's overall asset management strategy.



## Management of Multiple Vehicles Challenge:

Vehicle owners within APSBCL struggled with the complexity of overseeing multiple vehicles concurrently. This challenge encompassed issues related to coordination, maintenance scheduling, and overall performance tracking across a diverse fleet, creating a need for a more centralized and efficient management solution.



## How Brihaspathi Technologies Helped?

We proposed an innovative Android-Based Vehicle Tracking Application to address APSBCL's challenges comprehensively.



## Software Solutions:

### Android-Based Vehicle Tracking Software:

We developed this software allows APSBCL (Andhra Pradesh State Beverages Corporation Limited) to track the location and movement of their vehicles in real-time, improving logistics and fleet management.



## Key Features of the Solution:



### Real-Time Vehicle and Driver Tracking:

- The Android-Based Vehicle Tracking Application offers administrators the capability to instantly access the live location of vehicles and drivers through an intuitive Online map interface.

### Fuel and Servicing Management:

- A user-friendly monthly fuel entry form is integrated into the application, streamlining the tracking of fuel consumption for each vehicle.
- The servicing entry form is a comprehensive tool designed to maintain detailed records of each vehicle's servicing activities on a monthly basis.



### Repair and Maintenance Tracking:

- The solution introduces a systematic approach to tracking the repair and maintenance status of each vehicle on a monthly basis.

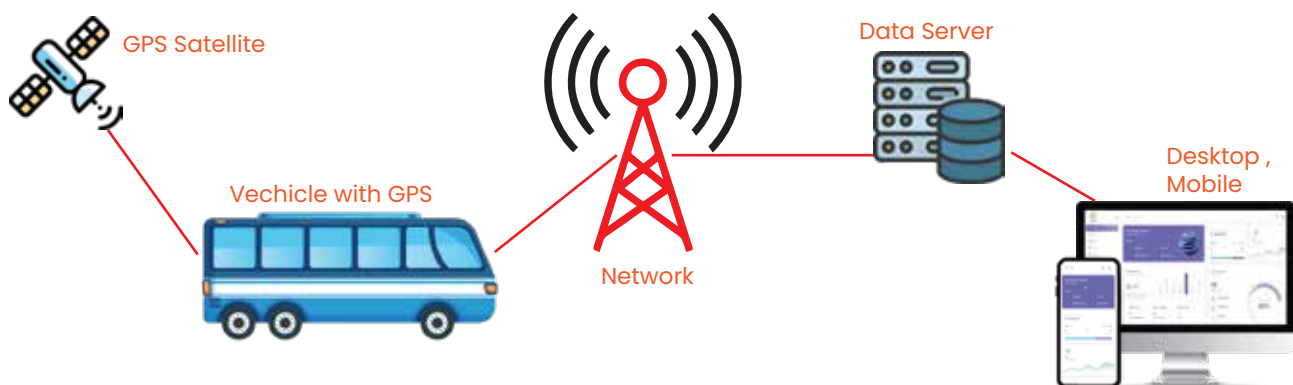
### Unique Vehicle Tracking Mechanism:

- Leveraging GPS-enabled mobile devices carried by drivers, the application employs a unique tracking mechanism. This innovative approach confirms accurate and real-time location tracking of vehicles Google Maps.



## Outcomes:

- Our vehicle tracking application has significantly elevated APSBCL's operational efficiency by providing real-time tracking of both vehicles and drivers.
- The implementation of the vehicle tracking solution has led to substantial cost reductions for APSBCL.
- The application has played a pivotal role in tracking their locations and behaviors.





## Benefits Experienced by APSBCL:



### Preventive Measures Against Cheating:

The Android-Based Vehicle Tracking Application has empowered APSBCL administrators with the ability to proactively monitor drivers to deter fraudulent activities. Real-time tracking capabilities for swift intervention in case of any deviations from designated routes or unauthorized stops.



### Salary Calculations:

Accurate attendance records, facilitated by the tracking application, have streamlined the process of salary calculations for drivers.



### Safety Features:

The application integrated essential safety features for the well-being of both drivers and the fleet. The SOS/Panic Button provided an immediate response mechanism in emergency situations, while Geo-fencing and speed alerts for continuous monitoring of vehicle movement.



### Detailed Reporting:

The tracking application generated detailed reports that offer comprehensive insights into the fleet's performance. Vehicle fitness reports and distance traveled reports provided valuable data for strategic decision-making, while travel route tracking and idle position alerts contributed to optimizing operational efficiency and resource utilization.



CCTV



Biometric



Boom Barrier



Metal Detector



Access Control



IPPBX/EPABX



HRMS Software



Bulk SMS



Web Designing And Software Development



...The Guru Of Tomorrow's Technology  
(An ISO 9001 : 2015 Certified)



Fire Alarms



Intrusion Alarms



Covipro



Visitor Management System



Home Automation



Inventory Management System



Video Door Phones



Mobile Application Development