trinityITS
Intelligent Transport Management Platform

IMPROVE CITIZEN MOBILITY
Intelligent Transport application platform automates the functions of Bus scheduling and planning, real-time fleet operations, passenger safety & security for Public and Private Bus transport service providers.

The Platform integrates various IoT Devices & Sensors, inside the Bus, Bus stops and Terminals and Provides complete visibility for Transport operators to efficiently run public Bus transport service and deliver a higher level of passenger mobility experience.

**Key Benefits**

IoT based bundled solution to interconnect sensors & devices and aggregate data.

The Platform can be deployed on-premises or as a cloud service and delivered through Software-as-a-Service Model.

All-in-one Platform for Intelligent Transport Management.

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**Platform Overview**

- **Scheduling**
- **ETA at Bus Stops**
- **In Bus Surveillance**
- **Panic Button**
- **Passenger App**

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**Cloud Ready**

Integrated & Future Proofed with IoT
Key Features

- Vehicle dispatch & scheduling system
- Bus terminal management system
- RFID for the busses and their respective terminal for allowing only the accredited buses.
- Special security governance for the bus crew.
- GPS based fleet monitoring system
- Incident management system reflecting all SLAs and sub SLAs
- Business Intelligence systems to improve business and productivity

Smart
Increased operational efficiency with fleet management and Advanced Analytics

Safe
Increased Public Safety with emergency services and real time bus monitoring

Sustainable
Deliver Higher level of Passenger Mobility experience with citizen engagement.

In Bus Monitoring
- Cameras for inside the bus surveillance
- Passenger information system (PIS) inside the bus and outside
- Panic buttons to raise an alarm
- Electronic Ticketing Machine integration for revenue management
- GPS for tracking the Bus location and their respective timings

Terminal Management
- Control movement of Bus in and out of Terminal
- Assist Bus Parking in the right bay
- Integrated with Parking Sensors
- Integrated with Terminal Display System and Announcement.
- Efficient use of Terminal Space.
Passenger Information System

Passenger Information extends the Intelligent Transport capabilities to commuters. The Location information along with other details such as the speed of the bus, the route followed etc. is used to provide the passengers waiting at the bus stops with the expected arrival time of the bus. This sub-system computes the ETA and provides commuters with real time passenger services. The ETA information can be accessible through public commuter portal and Mobile phones of commuters. Also ETA can be communicated to Display boards at Bus Terminals/Bus Stops.

Passenger App

Passenger Mobile Application enable commuter with details of real-time bus schedules, bus routes, frequency and the Estimated Time of Arrival’s.

It also has an inbuilt navigation option for guiding the user to the nearest bus stop/bus stand.