

## City Bus Tracking

### Overview:

- Buses have become an important means of transport in cities. This public transport is used by majority of the population in cities. a
- Buses also have one drawback that is the commuters have to wait for too much time for the bus to arrive; which in turn leads to usage of private vehicles thus leading to increase in fuel consumption.
- Rather than waiting for buses it would be beneficial for the passengers to know the tentative timing of the buses, so that they can plan their journey accordingly
- The development of City Bus tracking system using the Global Positioning System (GPS) is would have to be done with the aim of enabling users to locate their City Bus with ease and in a convenient manner. The system will provide users with the capability to track City Bus remotely through the mobile network.

### Current Challenges:

- **Flexibility** is a key requirement Most transport bodies don't even have the data that needs for real-time bus tracking.
- People need to be able to use buses for multiple trips – in succession. Rigid timetables and set routes can make buses less appealing and less effective.
- **Convenience** is also vitally important. Having to wait a long time, especially if it's in scorching sun, drenching rain, chilly wind or alone in the dark, deters people from using buses.
- **Reliability** is an important requirement for people to use buses. Transit systems must be designed so the buses run on time. And many bus rapid transit systems around the world deliver fast and reliable services.

### Business Requirements:

- A system needs to be created which uses combination of hardware devices and HERE Location services for tracking of city buses.
- Development of a reference application or a system which includes services of HERE Location APIs or HERE Platform. Solution suggested must have Fleet associated from Transit authorities as an end to end solution proposal



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