Smart Bus System

Try our Android App!

Scan the code above to be linked to an URL with a download of our Android app.

Text your stop number (ie. 100919) to 1-250-984-2369 for the next 3 bus arrival times!

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Affordable Quality Bus Tracking Solution
The current bus system in Victoria does not provide real-time transit data to commuters. Due to the uncertainty and unreliability of static schedules, people tend to feel intimidated by the bus alternative. To make public transport a more attractive option, the “Smart Bus System” project aims to make real-time arrival and departure status available to commuters in a cost-effective way.

**Project Overview**

**Mobile Developments**

**Android App**
- Retrieve bus location
- Search bus stop arrival times
- Set bus preferences for route and bus stop
- Set bus reminders before and during journey

**SMS Functionality**
- Text bus stop number and receive 3 arrival times

**Web Interface**
- Shows Google maps with bus locations
- Displays bus schedules

**Upgraded Bus Stops**
- Uses LCD to display bus ETA
- Uses LEDs to reveal bus location on a bus route map

**Django REST Web Service**
- Aggregates schedules from transit agencies
- Calculates bus positions
- Provides easy access to bus schedule and location data

**Bus Features**
- Reports bus location periodically to web service through GPRS

**Web Interface**
- Shows Google maps with bus locations
- Displays bus schedules