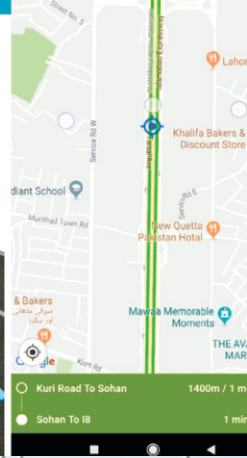
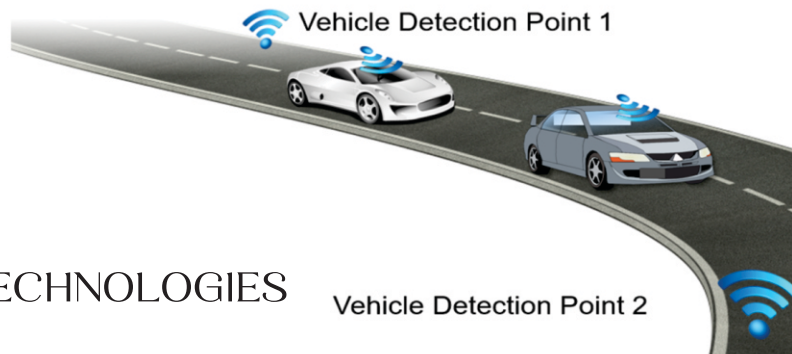


## Journey Time Information System



JK TECHNOLOGIES

Vehicle Detection Point 2

# Intelligent Travel Time System (ITTS)

Whenever you use VMS, Journey Time is the Most Important information which commuters expect from concern authority. So real-time journey information on variable message signs (VMS) is most helpful for commuters to choose alternate route to save time and money.

## ITTS Methodology

Journey Time can only be calculated by reading batch of vehicles at beginning of a section and the end of that section again to calculate time vehicles are taking to cross that section with help of different sensors for example Bluetooth, ANPR and RFID Reader.

By using Intelligent Travel Time System (ITTS) with Bluetooth technology, System measure traffic flow in real time and conveying it seamlessly to commuters through VMS.

Travel time data on VMS is updated every five minutes and it is obtained from Bluetooth devices installed at road site gantries and in commuter's vehicle.

## System Components

Linux based Web and dataset Server  
Android Application  
Digital Map  
Variable Message Sign (VMS)  
Bluetooth, ANPR and RFID Reader

### Communications

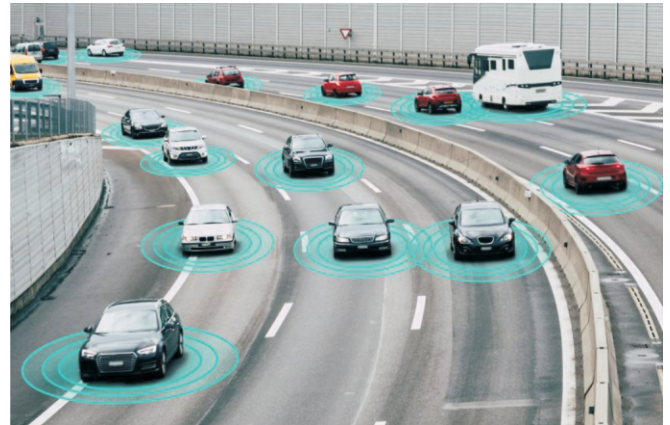
- Fiber Optic
- Twisted Pair
- Cellular Digital Packet Data

### Power Requirements

- Wiring
- Circuit Breakers
- Power Supply
- Battery Backup
- Grounding

## ITTS Features

- Demonstrate the real time travel time prediction.
- Update latest Journey time on VMS after five minutes.
- Real journey time also updated on Android App.
- Remotely accessible and changeable.
- Provides connectivity for other systems



## ITTS Benefits

The ITTS system provides real-time travel time, average speed, alternate route planning, and personalised travel-time predictions.

Real-time information offers the road user accurate data to make an informed decision on their route, which, in turn, can divert high-volume traffic away from work sites and minimise community impact.

Providing real-time travel time information to road users can help them make an informed decision, reduce road congestion, and direct high-volume traffic away from worksites.

Variable Message Signs (VMS) are a key component in traffic management as they have the ability to display real-time travel information, enabling effective management of road network systems.

