



Parking spaces

Data gathered at the carparks using automated video analytics provides drivers with real-time information on availability of parking spaces.

Smart journey

A test bed has been set up at NTU, where secure communication systems are used to link vehicles, traffic lights and other designated infrastructure in a campuswide network. Here is a glimpse of what the project entails.

Traveller information

Places of interest or of importance will be broadcast to the driver as the vehicle approaches the venues.

Pedestrian safety

Early warnings notify drivers of upcoming pedestrian crossings, which may be out of the drivers' line of sight.



Roadside units

- These devices, mounted on lamp posts 200-300m apart, work in tandem to serve as a wireless data network.
- They gather information on road happenings and conditions and enable vehicles to "talk" to one another.

Speed limit notice

In cases where there are ongoing road works, drivers will be told to slow down. After they have passed the road works zone, they will be prompted to resume normal speed.

Priority-based smart traffic lights

In instances where traffic is light, traffic lights are switched to go in one's favour.

Wireless communication

Enables vehicles to communicate with one another and with traffic command centres for safer drives.

Toll charging

- Gantry-less and distance-based system.
- Drivers are alerted to roads with toll charges.

