ABSTRACT

Nowadays advanced countries are often perplexed with how to improve traffic. Therefore each country invests quite a few efforts and material resources in solving this problem. They hope to improve and control traffic gradually. Recently, science and technology change rapidly. The Intelligent Transportation System (ITS) has already researched a lot. Through ITS, everyone can know the latest situation on the road and their own location clearly. Drivers need a prompt, quick and precise driving guide. Therefore, if path-planning system can provide various functions of path planning, it must satisfy drivers' requirement. This research mainly provides users to locate their position on the map quickly with a portable device. Then through the immediate accepting and memory database of the latest situation on the road and path planning system, users can choose the minimum time, the minimum route and the most comfortable path-planning.

Keywords : Intelligent Transportation Systems (ITS) and Path-planning