Abstract

The ever-increasing traffic congestion problem has always prevailed. Methods adopted have to be updated with the changing scenario. ITS (Intelligent transportation system) technology has always focused on mainstream traffic and an individualistic approach to problem is lacking. So this paper proposes a personalized approach. In this paper, a novel approach is delineated, relying on intelligent engineering, whereby the approaching car traveling with the calculated speed will get traffic signal green. In the new system, the speed to travel on a certain stretch of road will be calculated dynamically by acquiring next traffic signal status. The system uses information about the signal status from the database server and sends to car over RF. The framework of the proposed project has three major phases involved:

i. Finding all paths between Source and Destination
ii. Acquiring signal status

iii. Calculation of the path taking the least time and speed required.

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**Index Terms**

Computer Science

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**Key words**

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