MOBILE BASED SYSTEM FOR

PROVIDING ROAD TRAFFIC INFORMATION

A PROJECT REPORT PRESENTED BY

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MOBILE BASED ROAD TRAFFIC MONITORING SYSTEM

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Highway traffic is one of the major problems that we face daily. Congestion of public road networks is a growing problem in many countries. Road traffic is increasing due to many reasons. It may vary from the increasing number of vehicles on the road to factors like bad road conditions and bad weather conditions and so on. The road traffic system results in unnecessary wastage of time and resources.

In this work, we investigate the applicability of mobile technology in developing a system to overcome road traffic problem. In particular, we attempt to develop a system that assists users in detecting road traffic situations by using their mobile phones. We develop a system based on mobile technology that facilitates viewing of traffic situations, detects paths with minimum traffic at a given time. The proposed system is developed as a module of a large online system which is having several various types of other facilities. That is, this system can be easily integrated with same type of online systems such as Online Weather Reporting Systems, Online Automobile Systems, Online Disaster Reporting Systems etc. The system can be easily extended to interact with the above-mentioned systems to form a fully functional integrated system. Embedded SMS Based System will serve the majority with limited facilities available in the Mobile Phone.

The system was tested with a collection of sample data and the test results indicate that it can successfully be used to detect road traffic situations.