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# Arduino Based Road Congestion Management System in a City

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### Abstract



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**Abstract:**  
 It is an automated city traffic control system with a combination of algorithms, resources and a communication system without personal involvement in decision-making depending on the various traffic conditions that occur in the city. Use of this paper is a road sign at a crossroads by measuring traffic congestion on each road. Also, vehicles that do not obey the signals at the intersection may be tracked. In some cases, situations such as traffic

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congestion and exceeding the maximum road traffic limit may occur and the system may automatically take decisions automatically. Cars will never exceed the speed limit under this scheme. This paper is written by considering the traffic law on the left.

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 Contents

**I. Introduction**

The word congestion means no. of vehicles on the road at a certain time from one side of it to the crossing point to the other side of the crossing at the top or bottom. Therefore, to measure road traffic congestion, you need a certain type of sensor that can detect the presence of a vehicle and you need a tool to calculate the value of no. of cars on the road [1].

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