

**PROJECT REPORT ON
“ROAD TRAFFIC SIMULATOR”**

Project Associates

**Mr Ashwin Kini
(4NM08IS061)**

**Mr Ranjan Prabhu
(4NM08IS047)**

**Mr Bhushan Kamath
(4NM08IS014)**

**Mr Preetham Baliga
(4NM08IS041)**

Under the guidance of

Mr Vinay S

Assistant Professor

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DEPARTMENT OF INFORMATION SCIENCE ENGINEERING

ABSTRACT

The Road Traffic Simulator helps a person to reach a particular destination from a particular point under the purview of road traffic by taking into account various constraints and hence suggests the optimal path to the destination. Some of the constraints can be: Road under construction, Single lane/double lane road , Traffic signals ,Accidents ,Processions.

The road traffic simulator helps a person to choose the optimal path from location A to location B. Hence it saves time as it will avoid paths containing congestions. It will also help in saving fuel as it determines an optimal path and avoid unnecessary wastage of fuel. It will help in organization and control of traffic in urban cities where the traffic density is high depending on the density of traffic in peak hours