Background:

1.LPS

Logic Production Systems is a LPS is a logic-based framework for programmingdatabases and AI (intelligent agent) applications[1]. LPS combines logic program-ming (as in Prolog) and production systems as a model of human thinking.A production system are computer language that are widely employed for represent-ing the process that operate in models of cognitive systems. In a productions system,all of the instructions take the formIF << condition >>, T HEN << actions >>. Thatis to say if certain conditions are satisfied then take the specified actions abbreviatedasC−> A[2]. LPS tries to close the gap between the logic-based system and statetransitions system using reactive rules and logic programming. Computation gener-ates a model of world described by a logic programs (beliefs) to make reactive rules(goal) true.

2.Traffic Regulation

In cities, where the number of vehicles continuously increases faster than the avail-able traffic infrastructure to support them, congestion is a difficult issue to deal withand it becomes even worse in case of car accidents. However, among all these trans-portation facilities, automotive vehicles are still the most adopted due to its comfortand practicality More than one half of the students(54%)had been involved in RTAs;22% out of these had been injured and 13% had been admitted into hospital for 9.3days. More than 50% of them indicated that speed was the main cause of the RTA2

CONTENTS2. SUMMARY OF PROPOSAL1. Roundabouts are where number of junctions meets from different direction.Roundabout are design for number of juctions meets from different dirctions.Roundabouts are designed to keep the traffic flow in clockwise. The circularroad is a one-way street and maybe made up of one or more lanes. So whenapproaching to enter a roundabouts thiking of joinning a one way road. Thetraffic entering the roundabouts must give way to traffic already on the round-abouts approaching from the right For country which the main road is left theirit is usually anticlock wise for the roundabouts.2. T-junction3. cross-junction

3.LSP.JS, LPS Studio, LPS Cli

LPS.JS is the JavaScript

Summary of proposal:

The main objective of this project is to implement a visualization tool for LPS interpreter in JavaScript. To achieve this objective, the following were required:

* Understand the LPS syntax and semantics
* Understand the LPS.js interpreter where the backend will be running.
* Design a suitable system for the LPS visualization
* Preparing different cases of different scenario for traffic as described in section 2.

Intermediate report

Evaluation

* Usability

Easy to use up to an educational level. People have no programming experience should be able to program in LPS and visualise the code after going through the tutorial provided

* Efficiency

This means the code should is efficient to development low coupled and low coherence. Program should be hosted on a server and running in a reasonable amount of time. Also it should be effienct to be extended