



Intelligent Transportation System.

Aim:-

- 1). In this system we will try to manage the transportation system of the city i.e. xyz city and try to channelise the traffic in a route where less traffic is present
- 2). Hence try to help people to reach the nearest bus stops from where they can catch the bus for their journey.

Objectives of our project:-

1. We first came up with an idea that how we can decrease the traffic near a place or a lane:-

So firstly what we can do is that we can reduce the inflow of vehicles near to the traffic area by providing them alternate ways to reach their destination.

If the inflow of the vehicles is less to the traffic area then we can sort the traffic there very easily.

2.If we have less traffic in the city then we can save the environment from pollution.

3.We aim to make people move on using the best route for their journey.

4.We keep updated with the traffic and then keep updating the routes of the busses for the particular journey.Hence this will help the ordinary people for travelling purposes.

Benefits:-

1.)We will be able to channelise the traffic in a better way and in a right way.

2.)A Person who wants to catch the bus for a particular journey and if the route of the particular journey is having traffic and the route for the journey for the bus has been changed and now which bus stop should the person move so that it can catch the bus.

3.)Moving to the nearest bus stop of the bus route will help him to save time,save money and If the particular person instead of moving to the Main Bus stand moves to the nearest bus stop for catching the bus then this will result to less traffic near the Bus Stand area and hence it will result to less air and noise pollution for the environment.

4).By using the present data of the traffic areas we will try people not to move in that direction and hence less movement of vehicles in the same traffic area will help to sort the traffic.

5).If the route of any bus is changed then this will help the travellers to know about the new route and hence this will benefit the bus management because they will get travellers in the new route for the journey.

6).

Technologies Used:-

1.We have used NETBEANS IDE to make GUI of the system.

2.We have created a database(mysql) for storing and showing the data to the user.

Full process :-

1. First of all there will be a traffic control unit where all the data related to traffic will get collected and then the data will be accordingly distributed or updated in the traffic control system.
2. Then the data will be used to update the traffic lights of the city and the routes of the buses.
3. Now the traffic signals near (means in the radius of 200m) to the traffic area will not allow more inflow of vehicles in the route where traffic has occurred.
4. A Display board will show the travellers to opt with the different route for the same destination.
5. Public buses running in the same route where traffic is present will get diverted and it will get reflected on our ITS portal.
6. Person who wants to travel in a certain route will check the current status of the bus and our system will ask the person to share its location, so that we can notify him with the nearest bus stop for his/her journey.



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