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14. Traffic Management System for Smart City Project

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Abstract—*In present scenario, it is must to coin some innovative ideas for traffic management and control .it involves directing vehicular and pedestrian around a construction zone, accidents and other road destructions, thus ensuring safety of emergency response team, construction workers and the general public. Traffic control also includes the use of CCTV and other means of monitoring traffic by local and state roadways authorities to manage traffic flows and providing advice concerning traffic conjunction. Traffic controllers (TC's) are often known as "lollypop man" (usually this name only applies to TC's working near schools to aid pupils in road crossing) from the appearance of their stop/slow signs known as "stop bats".*

1. INTRODUCTION

ITS is an advanced application which without embodying intelligence at such, aims to provide innovative services relateing to different modes of transport and traffic management and enable various users to be better informed and make safer, more coordinated and smarter user transport networks.

Need of traffic control and management:

Being people of a smart city everyone dreams for a fast and quick reaction of each and every action, and this traffic rush named dragon grabs a major part of precious time and burns pockets too by consuming fuel in excess.

Causes of traffic dis-management

Parents of traffic rush are basicallyas follows:-

1. ***Cultural Reason*** - being superstitious and so called kind by birth, Indians unintentionally play major role in traffic jams. Many "teerthyatras" declare and cheer for death caused by delays in ambulance rushed in to a traffic jam.

2. ***Accidents*** - accidents are like those innocent kids who hurt their loved ones in the name of play and are totally unaware of it.

3. ***Construction*** - construction is the progress mile stone has been kept on drivers' or victims' toe. It requires man power, big automobiles .

4. ***Toll Booths*** - these are our service providers giving us sometimes a long enough halt to take a nap too. They are pirates who are snatches both our time and money.

5. ***Learners*** - learners are generally all in one packs they will make accidents happen and just by slowing speed they will disturb the whole system .

6. ***Shortcut Lovers*** - these are over smart people who will take all the shortcuts and break the rules just to save their time on the risk of lives.

Steps already took

Indian government is already trying to solve this problem but seeing the current scenario anyone would declare our government as a student weak in maths opting to be an engineer in future.

Our government is providing following rules and regulations:-

1. Whenever the religious mode gets on of we Indians our traffic police also gets activated and provides almost half lane to the yatras and taking all the vehicles and pedestrians to a single lane for both the routs.

2. Whenever any accident happens middest of traffic police seals the affect area and bans others to use the path also.

3. Construction strategy is made on level basis and transport is allowed at last only and if any emergency happens the whole road is blocked again.

4. Strict traffic rules are made and made to be followed strictly and every single child is made aware of these rules.

5. Toll booths are now electronically being replaced using RFID technology.

Smart Solutions :-

Being a citizen of smart city we all should not only think about luxury but about making it a luxury too and here our suggestions to do so:-

1. ***Inspire From Nature*** - as ants are always travellers and they to do in long queues without any accident by maintaining a particular distance from each other and we can follow the same to avoid rush.

2. ***Vehicle Size*** – by using the maximum part of vehicle we can reduce the rush as in US 76% vehicle is made used while in india 90% of that is unused.

3. ***Motivation*** - METROPIA started awarding people who dares to travel through unpeaked roads.

4. we can survey about the most used routes and reduce the traffic density by adjusting the cost of transport.

5. the animated roads maps need to be improved to show better view.

6. 6. smart parking can also be a hope for better relief.

2. CONCLUSION

Being smart should not be taken as a right but as a duty traffic jams are grabbers of time money and making us lame and talented in the same time. It can be controlled and well managed now once its out off hands we will be left with hollow smartness pipes only.

REFERENCES:

Required