**PROPOSAL FOR TRAFFIC LIGHT CONTROLLER**

PROJECT OVERVIEW –

Security is one of the basic things that people in today’s world demand for. Be it their personal security or public security. Traffic light is one of the inventions which has provided a sense of security to millions of people whether they are walking on road or driving back to their home. According to the Australian Government Department of infrastructure, Regional Development and Cities, there were around 1,225 road deaths in the year 2017. [1] . This figures clearly states how important is road safety for us. With the increasing number of vehicles day by day, the chances of road accidents have increased rapidly. This calls for an efficient traffic signal. This proposal with deal with such issues and how it can be made efficient for the pedestrians also.

AIM-

To analyze the modern concept of traffic signal and how it can be more efficient.

TASK-

1. To analyze what are the basic reasons for road accidents.
2. How can the signal be made more efficient.
3. What are the pros and cons of the system.

OBSERVATION-

There are several reasons which causes these road accidents which includes the likes of illegal over taking and dangerous manoeuvering. Approximately 270,000 pedestrians worldwide are killed on roads each year, equating to 22 per cent of all road traffic deaths (WHO, 2013). [1] This calls for the need of an effective traffic signal.

EFFICIENCY OF TRAFFIC SIGNAL-

The signal can be programmed in such a way that it provides enough time for each way traffic to pass. To make it more advanced and helpful to the pedestrians, we can add a pushdown button to it. This pushdown button will stop the traffic and will provide time for the pedestrians to cross the street. The time interval provided will be a bit long so that it becomes easy for the aged people to cross the road easily. [1]

ADVANTAGES-

Some of the advantages that we can derive from this traffic signal is:

1. It will reduce the chances of on road accident.
2. It will reduce the traffic pressure and prevent long rows of cars standing.
3. It will be helpful for the walking people to cross the road safely even when the traffic load is very high.
4. It will keep the city on time and increase on road security.

DISADVANTAGES-

1. Since, it is a system so sometimes it might just be down and it will be difficult to control the traffic flow.
2. It doesn’t guarantee total road safety as there are people doing drug driving.

**REFERRENCES-**

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