

Traffic Management System

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Abstract: *This describes about the "Traffic management System" will control the flow traffic based on density of the vehicles on one side. Sensor will detect the vehicle and we will give the total number of vehicles. If there are greater number of cars on one intersection then the signal time for that side will be increased. By using this idea we have to control the accidents in roads sides and in foreign countries they can follow this implementations but in india there is no .so it will reduce the accidents.*

Keywords: Hospital, Patient, Medical, Doctor

IV. CONCLUSION

This system conclude that using the method of density based control of traffic lights to save a considerable amount of time and also prevent the excessive traffic jams thus leading to smooth traffic flow. In India running system is time based to control the traffic signals and people experiencing a heavy traffic jams all over which in turn consumes lot of time and fuel. hope these methods will be earlier adopted so that the limitations are experiencing with present method can be overcome.

In conclusion, development of this density-based traffic control system using IR sensor is done very well. By applying this system, it can reduce traffic congestion especially during peak hour and hence also can reduce road accidents in the present and future since traffic density will always increase as the population increase. The usage of Arduino Nano microcontroller contributes a very appropriate mode.

In order to implement the embedded control system because it is easy to be modified to any possibility in meeting future requirements hassle-free and quickly. In the upcoming times, enhancement to improve the features of this project can be done such as changing the power source of the traffic light to solar power panels in order to lessen the electricity usage and hence can contribute to green energy. LED light also can be use in future for the traffic light since it will decrease the energy consumption which can save up to 90% of energy and cut cost too. Besides, LED light have long life service which can minimize the operating and maintenance cost. Most important thing is LED light offers better visibility even in direct sunlight.