Sadanand Jaiswal

We have included pedestrian signaling system inorder to increase the safety on people while crossing roads.

Following is the code of programming running in this

This includes the position of all the pins connected to Arduino

in this we have used push button to control the pedestrian signal, it can be controlled by any authorized person of the traffic signal coorparate. This will help to help the pedestrian so much, as this will allow the control manually in cases like when there is no traffic but still there are pedestrian so this can help them to save there time as well.

This will help to help the pedestrian so much, as this will allow the control manually in cases like when there is no traffic but still there are pedestrian so this can help them to save there time as well.

In this we have used push button to control the pedestrian light, it is controlled manually. This will the people so much, in cases like when there is very less traffic but traffic signal time will be more

From here all the slides contain the logic how this system works.

At first 1st row signal will show green light and then red as it show red then next signal to 1st will show green and this process will work endlessly. We can also change the signal timing easily.

And as this is based on density, ultrasonic sensor situated at the center of the road will send uv rays and calculate the density and if the density is high then it will increase the time for that particular signal inorder to efficiently use ….

And I Sadanand Jaiswal

We have used Proteus platform to build our project. And component requied to make this project are Arduino mega 2560, potentiometer, uv sensor, push button, traffic lights and connecting wires.

We have included pedestrian signaling system too, which make it an efficient traffic light signaling system and increase the safety of people while crossing the roads.

Following is the code of the program

This shows the position of all the pins connected to the Arduino

In this we have used push button to control the pedestrian light, it is controlled manually. This will help people lot. In cases like when there is no traffic or very low traffic In such conditions pedestrian light can be used to save the time for the people who are waiting for the signal to turn green.

At 1st, 1st lane will have green signal for 30 sec and then 10 sec yellow signal and then it will become red and then lane 2 will have green signal and this process will repeat for all the lanes.

This will be in the general case but if the traffic is more than a certain limit then in such cases green light delay for all lane will be increased which will result in less traffic.

or

This will be in the general case but if the traffic is more than a given limit then it will give some extra time to each lane inorder to decrease the traffic.

And time in all this process can be changed easily on the basis of requirement.

That’s all from our side.

ThankYou.