Traffic light

system description

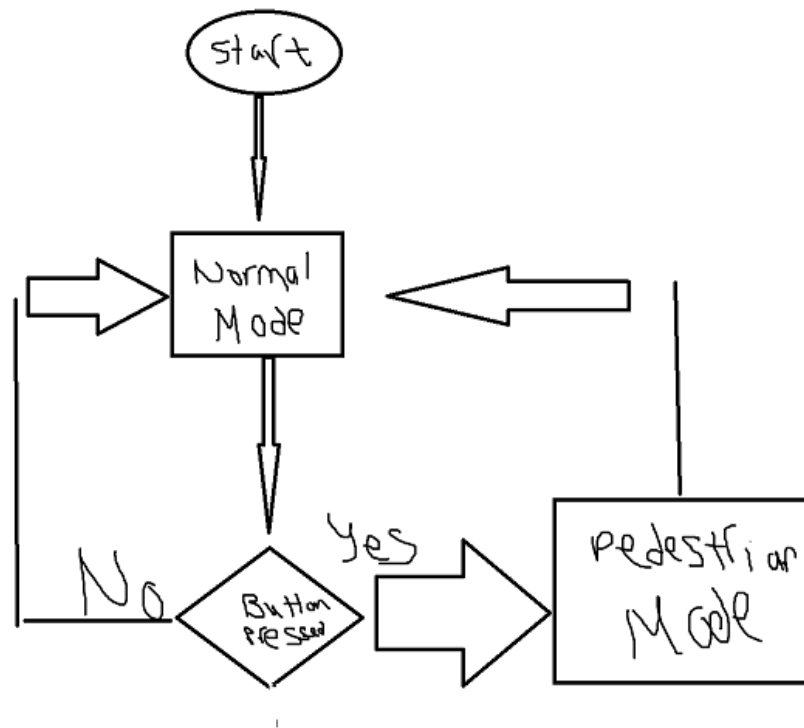this project is about the traffic light for pedestrians.

the priority of pedestrian is higher than priority of cars so the we put a button on the traffic light.

system design

the project consists of a microcontroller atmega32

and some of led for the traffic and seven segment to show the timing .

system flow chart

NOTE when button pressed decision occurs immediately we don't wait for the end for the current process end.