

# **ON-DEMAND TRAFFIC LIGHT CONTROL**

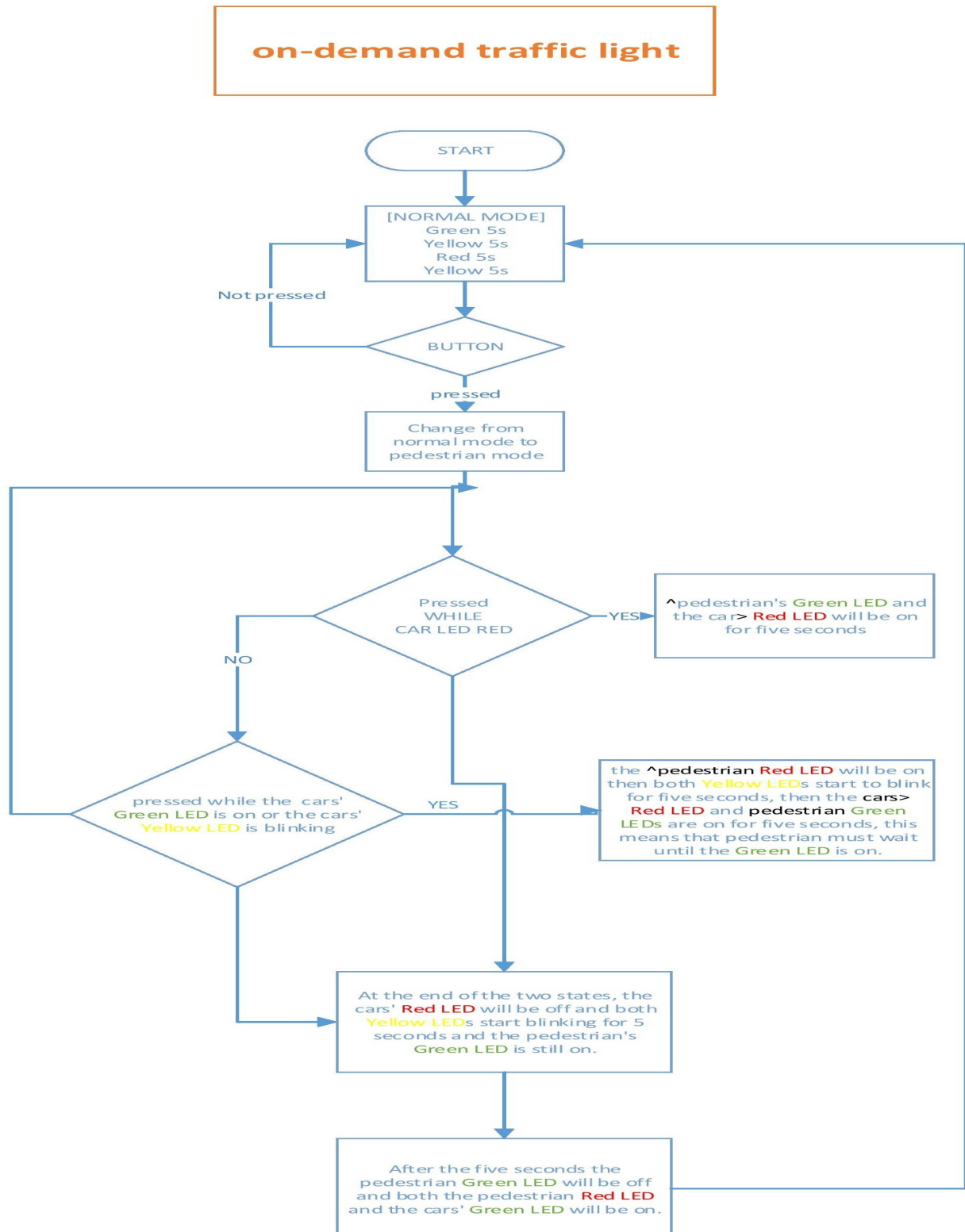
بقلم : قاسم صابر لطفي محمد

# / system description ]

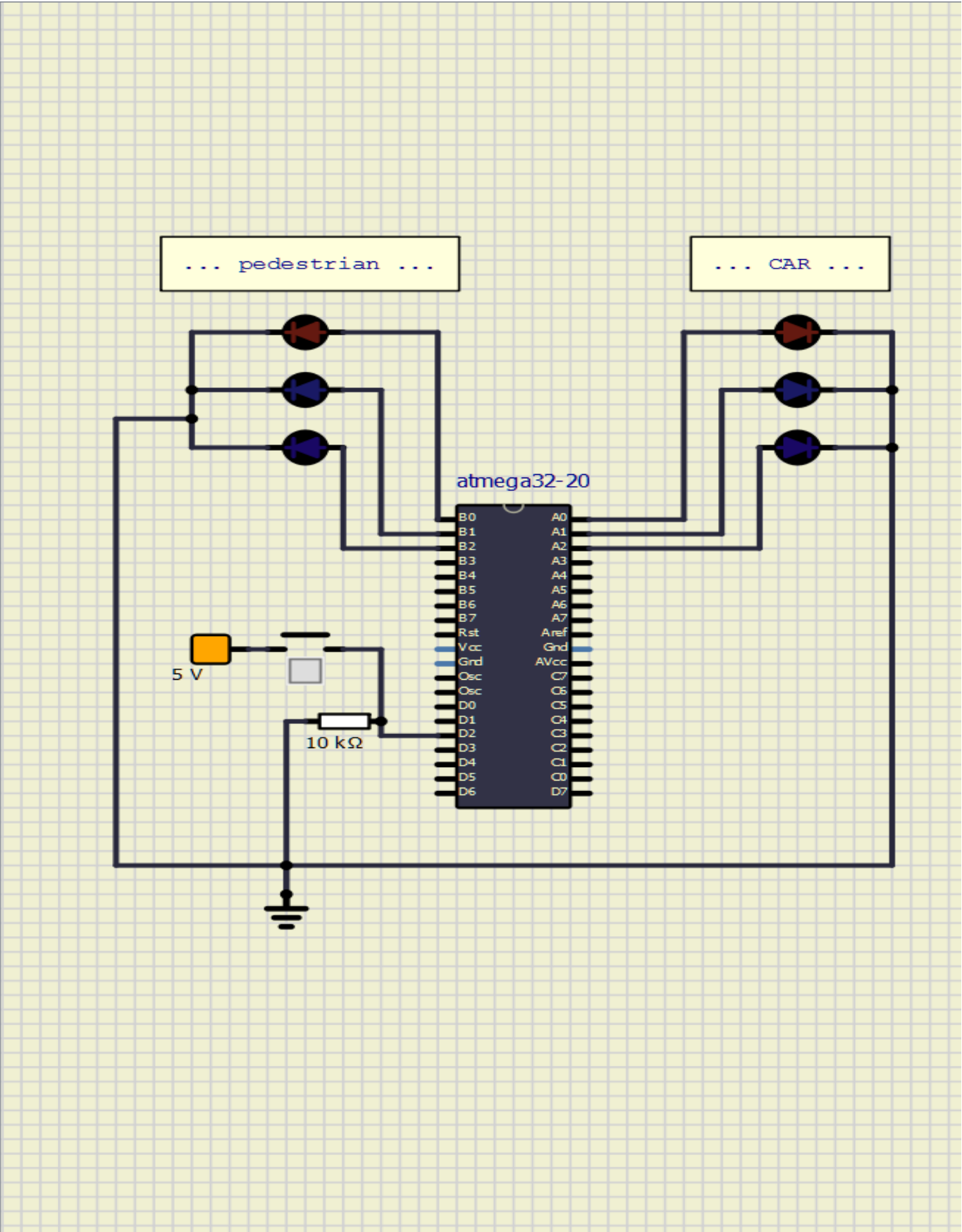
in some time we have high traffic with less pedestrian on street the idea is solving this problem by make pedestrian traffic light

On-demand .

## SYSTEM FLOW



**SYSTEM IMPLEMENTATION**



# */ System design /*

## **REQUIREMENT TO BUILD SYSTEM:**

ATMEGA32

Two Red led

Two Yellow led

Two Green led

One 10k resistor

One push Button

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## **INPUT**

when the pedestrian pushes the button pedestrian mode activates

## **OUTPUT**

[red Yellow Green ] LED for car traffic light

[Red Yellow Green] LED for pedestrian traffic light

## **PROCESSING UNIT AND MEMORY UNIT**

Atmega32 as a processing unit and memory unit it do all logic

by executing program hex file

# [ FLOWCHART ]

