VSB Engineering College, Karur-639111

Department of Electronics and Communication Engineering

IOT Assignment

Topic : to write a program for led blinking traffic lights

Name: Naveenkumar V

Code:-

Blinking led:-

import RPi.GPIO as GPIO # Import Raspberry Pi GPIO library

from time import sleep # Import the sleep function from the time module

GPIO.setwarnings(False) #Ignore warning for now

GPIO.setmode(GPIO BOARD) #Use physical pin numbering
GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)#Set pin 8 to be an output pin and set initial value to low(off) While True:

 #Run forever GPIO.output(8,GPIO.HIGH) #Turn on

 sleep(1) #Sleep for 1 second

GPIO.output(8,GPIO.LOW) #Turn off

sleep(1)#Sleep for 1 second

Traffic Light:-

from
gpiozero
import
Button,
TrafficLights,
Buzzer

from time import sleep

buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)

```python
while True:
    button.wait_for_press()
    buzzer.on()
    lights.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1)
    lights.off()
    buzzer.off()
```