

AS-SALAM COLLEGE OF ENGINEERING &TECNOLOGY
THIRUMANGALAKUDI-ADUTHURAI

IOT Assignment: Assignment no.3

Topic:Write a python code for blinking LED and Traffic lights

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CODE:

Blinking Lights:-

```
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 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 Control:-

From

gpiozero

import

Button,

Traffic Lights,

Buzzer from time import sleep

 Buzzer=Buzzer(15)

 Button=Button(21)

 Lights=Traffic Lights(25,8,7)

While True:

 Button.wait_for_prees()

 Buzzer.on()

 Lights.green.on()

 Sleep(1)

 Lights.amber.on()

 Sleep(1)

 Lights.red.on()

 Sleep(1)

 Lights.off()

 Buzzer.off()

