**IOT Assignment 3**

Topic : Write python code for blinking LED and Traffic lights

CODE:

Traffic Light control:

from  
gpiozero  
import  
Button,  
TrafficLights,  
Buzzer from time import sleep  
 buzzer = Buzzer(15)  
 button = Button(21)  
 lights = TrafficLights(25, 8,7)  
 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()

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

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