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| TEAM ID | PNT2022TMID29330 |
| PROJECT NAME | Gas Leakage Monitoring And Alerting System For Industries |

# Assignment – 3

**//Code for 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

# //Code for Traffic Light System//

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() light.green.on() sleep(1) lights.amber.on() sleep(1)

lights.red.on() sleep(1) lights.off() buzzer.off()