**ASSIGNMENT -3**

**PROJECT NAME : Real-Time River Water Quality Monitoring and Control System**

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* Traffic light 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 light

import RPi.GPIO as GPIO from time import sleep

GPIO.setwarnings(False) GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True:

GPIO.output(8, GPIO.HIGH)

sleep(1)

GPIO.output(8, GPIO.LOW)

sleep(1)