Assignment -3

lo T-Based Industry - Real-Time River Water Quality

Python Programming

Assignment Date	13 October,2022
Student Name	Sivanandhan B
Student Roll Number	715519106047
Maximum Marks	2 Marks

Problem statement:

BLINKING OF LED AND TRAFFIC LIGHTS FOR RASPBERRY Pi

Solution:

```
Python code:
```

Traffic Light

import RPi.GPIO as gpio

from time import sleep

```
# Blink an LED

import RPi.GPIO as gpio

from time import sleep

gpio.setwarnings(False)

gpio.setmode(GPIO.BOARD)

gpio.setup(23, GPIO.OUT, initial=GPIO.LOW)

while True:

gpio.output(23, GPIO.HIGH)

sleep(1)

gpio.output(23, GPIO.LOW)

sleep(1)
```

```
gpio.setwarnings(False)
gpio.setmode(GPIO.BOARD)
gpio.setup(23, GPIO.OUT, initial=GPIO.LOW) # Red
gpio.setup(24, GPIO.OUT, initial=GPIO.LOW) # Yellow
gpio.setup(25, GPIO.OUT, initial=GPIO.LOW) # Green
while True:
  gpio.output(23, GPIO.HIGH)
  sleep(50)
  gpio.output(24, GPIO.HIGH)
  sleep(5)
  gpio.output(23, GPIO.LOW)
  sleep(5)
  gpio.output(24, GPIO.LOW)
  gpio.output(25, GPIO.HIGH)
  sleep(50)
  gpio.output(25, GPIO.LOW)
 gpio.sleep(1)
```