ASSIGNMENT-3 PYTHON CODE FOR RASPBERRY PI

PROJECT: Hazardous Area Monitoring for Industrial Plant

Name: Tavasi. B

LED BLINKING CODE:

```python
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)
```

TRAFFIC LIGHT CODE:

```python
from gpiozero import LED from time import sleep

red = LED(22)

yellow = LED(27)

green = LED(17)

while True:
    red.on()
    sleep(15)
    red.off()
    sleep(1)
    yellow.on()
    sleep(10)
    yellow.off)
    sleep(1)
    green.on()
    sleep(10)
    green.off()
    sleep(1)
```