

## **Assignment -3**

### **PYTHON PROGRMMING**

Assignment Date	05 October 2022
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Maximum Marks	2 Marks

**Question:**

Blinking LED & Traffic lights for Rasberry pi using python

**Code:**

#### **BLINKING LED**

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)
GPIO.setwarning(False)
GPIO.setup(18,GPIO.OUT)
{
print "LED on"
GPIO.output(18,GPIO.HIGH)
time.sleep(1)
print "LED off"
GPIO.output(18,GPIO.LOW)
}
```

## TRAFFIC LIGHT

```
from gpiozero import LED,Button  
from time import sleep  
green = LED(17)  
red = LED(18)  
amber = LED(2)  
button = button(3)  
print("Press the button when you want to cross")  
green.on()  
amber.off()  
red.off()  
while True:  
    print("Wait")  
    button.wait_for_press()  
    green.off()  
    amber.on()  
    sleep(5)  
    amber.off()  
    red.on()  
    print("Cross now")  
    sleep(10)
```

amber.on()

sleep(5)

green.on()

amber.off()

red.off()