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Department of Information Technology

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IOT ASSIGNMENT – 03

//Code for Blinking LED//

```
import RPi.GPIO as GPIO

import time

LED = 40

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(LED, GPIO.OUT)


while True:


GPIO.output(LED,GPIO.HIGH)

time.sleep(1)

GPIO.output(LED,GPIO.LOW)

time.sleep(1)
```

//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()
```