## **ASSIGNMENT - 3**

## **PYTHON PROGRAMMING**

ASSIGNMENT DATE	17 OCTOBER 2022
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MAXIMUM MARKS	2 MARKS

## **QUESTION - 1**

Write python code for blinking LED and Traffic lights for Raspberry pi.

```
Solution:
//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()