Prince Dr. K. Vasudevan College of Engineering and Technology

ASSIGNMENT- 3

PROJECT TITTLE : Personal assistance for seniors who are self reliant.

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MAXIMUM MARK	2 MARKS

QUESTION : Write python code for blinking LED and Traffic lights for Raspberry pi.Only python code is enough, no need to execute in raspberry pi.Note: you are allowed to use web search and complete the assignment.

CODE :

```
import time import

RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOARD)

GPIO.setup(11, GPIO.OUT)

 while True:

GPIO.output(11,True)

 time.sleep(1)

GPIO.output(11,False)

 time.sleep(1)

from gpiozero import Button, TrafficLights, Buzzer

 buzzer = Buzzer(15)

button = Button(21)

 lights = TrafficLights(25, 8, 7)

 while True:

 button.wait_for_press()

 light.green.on()
```

```python
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1)
    lights.off()
    while True:
lights.on()
    buzzer.off()
    button.wait_for_press()
    lights.off()
    buzzer.on()
    button.wait_for_release()
    while True:
lights.blink()
    buzzer.beep()
    button.wait_for_press()
    lights.off()
    buzzer.off()
    button.wait_for_release()
```