

Prince Dr. K. Vasudevan College of Engineering and Technology

ASSIGNMENT- 3

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

TEAM ID	PNT2022TMID38119
NAME	BALAJI M
ROLL NO	411619104003
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()
```

```
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()
```