**ASSIGNMENT 3 :BLINKING OF LED AND TRAFFIC LIGHTS FOR RASPBERRY**

**PI**

|  |  |
| --- | --- |
| DATE | 5/10/2022 |
| TEAM ID | PNT2022TMID44982 |
| STUDENT NAME | Devika k |
| STUDENT ROLL NUMBER | 811219106002 |
| MAXIMUM MARK | 2 MARKS |

import time import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOAR

D) 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:

utton.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()