

M.KUMARASAMY COLLEGE OF ENGINEERING

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

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CODE :

```
import time
import RPi.GPIO as
GPIO
GPIO.setmode(GPIO.BO
ARD) 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,
Buzzerbuzzer = 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()
        buzze
r.off()
        button.wait_for_press()
        lights.off()
        buzzer.on()
        button.wait_for_release
        ()

while True:
    lights.blink()
    buzzer.beep()
    button.wait_for_pr
ess() lights.off()
    buzzer.off()
    button.wait_for_release()
```