V.S.B. Engineering College
Department of Computer Science
And Engineering
PYTHON CODE FOR BLINKING LED AND
TRAFFIC LIGHTS FOR
RASPBERRY PI

NAME: Dineshkumar P

For LED:

```python
import RPi.GPIO as GPIO
from time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOAR
D)
GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)
while True:
GPIO.output(8,GPIO.HIGH)
sleep(1)
GPIO.output(8,GPIO.LOW
)
sleep(1)
```

For Traffic Lights:

```python
import Rpi.GPIO as GPIO
import time
import
```

```
 signal

 import sys

GPIO.setmode(GPIO.BCM)

GPIO.setup(9,GPIO.OUT)
```

```python
GPIO.setup(10,GPIO.O
UT)
GPIO.setup(11,GPIO.O
UT)
def allLightsOff(signal,framer):
    GPIO.output(9,Fals
    e)
    GPIO.output(10,Fal
    se)
    GPIO.output(11,Fal
    se) GPIO.cleanup()
    sys.exit(0)
signal.signal(signal.SIGINT,allLightsOff)


while True:
    #Red
    GPIO.output(9,Tru
    e) Time.sleep(3)
    #Red and amber
    GPIO.output(10,Tru
    e) Time.sleep(1)
    #Green
    GPIO.output(9,False
    )
    GPIO.output(10,Fal
```

```
se)
GPIO.output(11,Tru
e) Time.sleep(5)
#Amber
GPIO.output(11,Fal
se)
```

```
GPIO.output(10,True)

Time.sleep(2)

#Amber off(red comes on at top of loop) GPIO.output(10,False)
```