V.S.B. Engineering College

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And Engineering

PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

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For LED:

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
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:

```
import Rpi.GPIO as GPIO
import time
import signal
import sys
GPIO.setmode(GPIO.BCM)
GPIO.setup(9,GPIO.OUT)
```

```
GPIO.setup(10,GPIO.OUT)
GPIO.setup(11,GPIO.OUT)
def allLightsOff(signal,framer):
    GPIO.output(9,False)
    GPIO.output(10,False)
    GPIO.output(11,False)
    GPIO.cleanup()
    sys.exit(0)
signal.signal(signal.SIGINT,allLightsOff)

while True:
    #Red
    GPIO.output(9,True)
    Time.sleep(3)
    #Red and amber
   GPIO.output(10,True)
   Time.sleep(1)
   #Green
   GPIO.output(9,False)
   GPIO.output(10,False)
   GPIO.output(11,True)
   Time.sleep(5)
   #Amber
   GPIO.output(11,False)
```

```
GPIO.output(10,True)

Time.sleep(2)

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