V.S.B. ENGINEERING COLLEGE, KARUR

Department of Electronics and Communication Engineering

TITLE : Signs with smart connectivity for Better Road safety

DOMAIN NAME : Internet of Things

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Coding :

```
import RP1.GPIO as GP10
import time

GPIO. setmode(GPIO.BOARD)
GPIO.setup(7, GPIO.OUT) #Green LED
GPIO.setup(11, GPI0.OUT)#Yellow LED
GPIO.setup(13, GPI0.OUT) #Red LED
GPI0.setup(15, GP10.IN, pull_up_down=GPIO.PUD_UP)#Button
def turn_on(pin, seconds):
    GPIO.output (pin,GPIO.HIGH)
    time.sleep(seconds)
def turn_off (pin, seconds):
    GPIO.output (pin, GPIO.LOW)
    time.sleep(seconds)
```

```
try:
    while True:
        button_state=GPIO.input (15)
        if button_state== True:
          turn_on(13,2)
          tum_off(13,.1)
          turn_on(7,4)
          turn_off(7,.11)
          turn_on(11,1)
          turn_off(11,1)
        else:
          if button_state== False:
            GPI0.output (7,GPIO.LOW)
            GPIO.output(11,GPIO.LOW)
            GP10.output (13,GPIO.LOW)
            time.sleep(.1)
except KeyboardInterrupt:
    GPIO.cleanup()
    print("Traffic Light Sequence Done")
```