Smart Waste Management System For Metropolitan Cities

Assignment-III

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PROGRAM:

//python code for blinking LED

```
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setwarnings(False)
GPIO.setup(2,GPIO.OUT)
while True:
    GPIO.output(2,True)
    time.sleep(2)
    GPIO.output(2,False)
    time.sleep(2)
```

//**Python code for Traffic Lights**

```
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setwarnings(False)
GPIO.setup(2,GPIO.OUT)
GPIO.setup(17,GPIO.OUT)
GPIO.setup(4,GPIO.OUT)
while True:
    print "RED SIGNAL"
    GPIO.output(2,True)
    time.sleep(2)
    GPIO.output(2,False)
```

```
print "YELLOW SIGNAL"
GPIO.output(17,True)
time.sleep(2)
GPIO.output(17,False)


print "GREEN SIGNAL"
print(GPIO.output(4,True))
time.sleep(2)
GPIO.output(4,False)
```