

SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

ASSIGNMENT-3

Submitted by

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Python Code for blinking LED using Raspberry pi

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8,GPIO.OUT)
while True:
    GPIO.output (8, True)
    print("led is on")
    time.sleep(1)
    GPIO.output (8, False)
    print("led is off")
    time.sleep(1)
```

Python Code for Traffic lights using Raspberry pi

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

```
red=7  
yellow=11  
green=13
```

```
GPIO.setup(red, GPIO.OUT)  
GPIO.setup(yellow, GPIO. OUT)  
GPIO.setup(green, GPIO. OUT)
```

```
while True:  
    GPIO.output(red, True)  
    print("red led is on")  
    sleep(3)  
    GPIO.output(red, False)  
    print("red led is off")
```

```
GPIO.output(yellow, True)
print("yellow led is on")
sleep(3)
GPIO.output(yellow, False)
print("yellow led is off")
```

```
GPIO.output(green, True)
print("green led is on")
sleep(3)
    GPIO.output(green, False)
print("green led is off")
```

```
GPIO.cleanup()
```