SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

ASSIGNMENT-3

Submitted by

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Python Code for blinking LED using Raspberry pi

```python
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

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

```python
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")
```

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

GPIO.cleanup()
```