SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

ASSIGNMENT-3

Submitted by

S. Pavithra
ECE-Final Year
Thamirabharani
Engineering College

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
```

```python
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)
```

```python
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()
```