**ASSIGNMENT-3 PYTHON CODE FOR RASPBERRY PI**

PROJECT: SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

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**LED BLINKING CODE:**

import RPI.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD) GPIO.setup(8, GPIO.OUT, initial-GPIO.LOW)

while True:

GPIO.output(8, GPIO.HIGH)

sleep(1)

GPIO.output(8, GPIO.LOW)

**TRAFFIC LIGHT CODE**:

from gpiozero import LED from time import sleep

red = LED(22)

yellow = LED(27)

green = LED(17)

while True:

red.on()

sleep(15)

red.off()

sleep(1)

yellow.on()

sleep(10)

yellow.off()

sleep(1)

green.on()

sleep(10)

green.off()

sleep(1)