SRM VALLIAMMAI ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

IBM PROJECT: IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

ASSIGNMENT-3

**NAME**: S. THARANI

**TEAM LEADER**

WRITE A PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

BLINKING LED:

import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BOARD)

GPIO.setup(11, GPIO.OUT)

GPIO.output(11,1)

time.sleep(1)

GPIO.output(11,0)

time.sleep(1)

GPIO.output(11,1)

time.sleep(1)

GPIO.output(11,0)

time.sleep(1)

GPIO.cleanup()

**TRAFFIC LIGHT**

from gpiozero import LED

import time

red=LED (16)

yellow= (18)

green= (17)

red.on()

time.sleep(5)

red.off()

yellow.on ()

time.sleep(2)

yellow.off()

green.on()

time.sleep(5)

green.off()