**ASSIGNMENT-3**

|  |  |
| --- | --- |
| Date | 02 OCTOBER 2022 |
| Team ID | **PNT2022TMID19800** |
| Project Name | IOT based smart crop protection system for agriculture |
| Student name | R.Dhivakar |
| Roll number | 19TUIT013 |

**Write python code for blinking LED and Traffic lights for Raspberry pi.**

**CODING:**

Import RPi.GPIO as GPIO

Import time

#assign numbering for the GPIO using BCM

GPIO.setmode(GPIO.BCM)

#assingn number for the GPIO using Board

#GPIO.setmode(GPIO.BOARD)

Cnt = 0

MAIL\_CHECK\_FREQ = 1 # change LED status every 1 seconds

RED\_LED = 4

GPIO.setup(RED\_LED, GPIO.OUT)

While True:

Ifcnt == 0 :

GPIO.output(RED\_LED, False)

Cnt = 1

Else:

GPIO.output(RED\_LED, True)

Cnt = 0

Time.sleep(MAIL\_CHECK\_FREQ)

GPIO.cleanup()