ASSIGNMENT-3
SMART CROP PROTECTION USING IOT

TEAMID:PNT2022TMID02468

BLINKING LED AND TRAFFIC LIGTHS

PYTHON CODE:

```python
import RPi.GPIO as GPIO
import time try:def lightTraffic(led1, led2, led3, delay ):
   GPIO.output(led1, 1)
   time.sleep(delay)
   GPIO.output(led1, 0)
   GPIO.output(led2, 1)
   time.sleep(delay)
   GPIO.output(led2, 0)
   GPIO.output(led3, 1)
   time.sleep(delay)
   GPIO.output(led3, 0)
   GPIO.setmode(GPIO.BCM)
   button = 19
   GPIO.setup(button, GPIO.IN, pull_up_down=GPIO.PUD_UP)
   ledGreen = 16
   ledYellow = 12
   ledRed = 23
   GPIO.setup(ledGreen, GPIO.OUT)
   GPIO.setup(ledYellow, GPIO.OUT)
   GPIO.setup(ledRed, GPIO.OUT)
   while True:
      input_state = GPIO.input(button)
      if input_state == False:
         print('Button Pressed') lightTraffic(ledGreen, ledYellow, ledRed, 1)
else:
            GPIO.output(ledGreen, 0)
            GPIO.output(ledYellow, 0)
            GPIO.output(ledRed, 0)
            except KeyboardInterrupt:
               print "You've exited the program" finally:
```

```
GPIO.cleanup()
```