

## **Industry – specific Intelligent fire management system**

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### **Python code for blinking led in raspberry pi :**

```
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(2)

    GPIO.output(8, GPIO.LOW)

    sleep(2)
```

### **Python code for blinking led and traffic lights in raspberry pi**

```
import RPi.GPIO as GPIO
import time
import signal
import sys

GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)
```

```
def allLightsOff(signal, frame):  
    GPIO.output(9, False)  
    GPIO.output(10, False)  
    GPIO.output(11, False)  
    GPIO.cleanup()  
    sys.exit(0)  
signal.signal(signal.SIGINT, allLightsOff)
```

```
while True:  
    # Red  
    GPIO.output(9, True)  
    time.sleep(3)  
  
    # Red and amber  
    GPIO.output(10, True)  
    time.sleep(1)  
  
    # Green  
    GPIO.output(9, False)  
    GPIO.output(10, False)  
    GPIO.output(11, True)  
    time.sleep(5)  
  
    # Amber  
    GPIO.output(11, False)  
    GPIO.output(10, True)  
    time.sleep(2)  
  
    # Amber off (red comes on at top of loop)  
    GPIO.output(10, False)
```