Industry – specific Intelligent fire management system

NAME   : Jeevitha P

ROLL NO : 711119106704

TEAM ID : PNT2022TMID42644

Python code for blinking led in raspberry pi :

```python
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

```python
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)
```

```python
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)
```