# SNS COLLEGE OF TECHNOLOGY

# DEPARTMENT OF ECE

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PROJECT TITTLE : Industry-specific intelligent fire management system

CODE:

```
import random

import time


while True:

    temperature = random.randint(1,100)

    humidity = random.randint(1,100)

    print("Temperature: ", temperature)

    print("Humidity: ", humidity)

    if temperature >= 60 and (30 < humidity > 60):

        print("Alarm ON!")


    else:

        print("Alarm OFF!")


    time.sleep(2)
```

```python
import random
import time

while True:
    temperature = random.randint(1,100)
    humidity = random.randint(1,100)
    print("Temperature: ", temperature)
    print("Humidity: ", humidity)
    if temperature >= 60 and (30 < humidity > 60):
        print("Alarm ON!")

    else:
        print("Alarm OFF!")

    time.sleep(2)
```

```
Shell: bash 5.1.16
Resolution: 1920x1080
DE: Unity
WM: Mutter
WM Theme: Colloid-Dark-Nord
Theme: Colloid-Dark-Nord [GTK2/3]
Icons: Colloid-dark [GTK2/3]
Terminal: vscode
CPU: AMD Ryzen 7 4800H with Radeon Graphics (16) @ 2.900GHz
GPU: NVIDIA 01:00.0 NVIDIA Corporation TU117M
GPU: AMD ATI 05:00.0 Renoir
Memory: 4255MiB / 7310MiB
```

```
nero@nero:~/Documents/IBM/Assignment 2$ /bin/python3 "/home/nero/Documents/IBM/Assignment 2/file.py"
Temperature:  97
Humidity:  87
Alarm ON!
Temperature:  18
Humidity:  31
Alarm OFF!
```

```python
import random
import time

while True:
    temperature = random.randint(1,100)
    humidity = random.randint(1,100)
    print("Temperature: ", temperature)
    print("Humidity: ", humidity)
    if temperature >= 60 and (30 < humidity > 60):
        print("Alarm ON!")

    else:
        print("Alarm OFF!")

    time.sleep(2)
```

```
Temperature:  97
Humidity:  87
Alarm ON!
Temperature:  18
Humidity:  31
Alarm OFF!
Temperature:  33
Humidity:  8
Alarm OFF!
Temperature:  89
Humidity:  27
Alarm OFF!
Temperature:  44
Humidity:  90
Alarm OFF!
Temperature:  65
Humidity:  60
Alarm OFF!
Temperature:  6
Humidity:  61
Alarm OFF!
Temperature:  99
Humidity:  11
Alarm OFF!
```