

**HAZARDOUS AREA MONITORING FOR
INDUSTRIAL PLANTS POWERED BY IOT**

SUBMITTED BY

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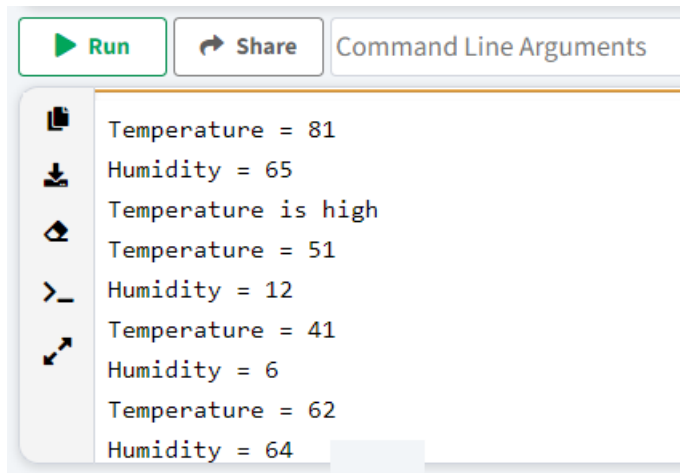
**BACHELOR OF ENGINEERING IN ELECTRONICS
AND COMMUNICATION ENGINEERING**

ASSIGNMENT-02

Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

```
import random
import time
def CheckTemp(temperature):
    if temperature>70:
        print("Temperature is high")
temp = random.randint(-40,100)
humid = random.randint(0,100)
while True:
    temp = random.randint(-40,100)
    humid = random.randint(0,100)
    print("Temperature = "+str(temp))
    print("Humidity = "+str(humid))
    CheckTemp(temp)
    time.sleep(1)
```

OUTPUT:



The image shows a user interface for running code snippets. At the top, there is a 'Run' button with a green play icon and a 'Share' button with a share icon. To the right of these buttons is a text input field labeled 'Command Line Arguments'. Below this is a list of code snippets, each preceded by a small icon in a grey box. The snippets are as follows:

- Temperature = 81
- Humidity = 65
- Temperature is high
- Temperature = 51
- Humidity = 12
- Temperature = 41
- Humidity = 6
- Temperature = 62
- Humidity = 64