Hazardous Area Monitering For Industrial Plant Powered by IOT

Assignment – II

Topic : PYTHON CODE TO GET TEMPERATURE AND HUMIDITY VALUE

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Code: Import random

```
From playsound import playsound

While True:
    # generating temperature values
    Temperature = random.uniform(-25, 45)

    # generating relative humidity values
    Humidity = random.uniform(0, 100)

    # calculating the dew point temperature
    Dew_point = temperature – ((100 – humidity)/5)

    If dew_point < 16:
        Print("The weather is comfortable!")

    Elif dew_point < 18 and dew_point >= 16:
```

```
    Print("The weather is slightly uncomfortable")


Else:

    Print("The weather is extremely uncomfortable")

    Playsound('/Users/macbook/Desktop/IBM Project/Assignment 2/alarm.wav')
```