IoT BASED SMART FARMING – ASSIGNMENT 2

SUBMITTED BY SANGEETHA V P (113219031129)

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING

Build a python code, assume you 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.

CODE:

```
import random
temperature=random.randint(0, 200)
humidity=random.randint(0,100)
print("The recorded temperature in fahrenheit = ",temperature)
print("The recorded humidity in percentage = ",humidity)
if(temperature>135 or humidity>50):
    print ("Fire alert - Alarm on" )
else:
    print("Alarm off")
```

OUTPUT:

CASE – 1: Alarm off

```
PS C:\Users\SangeethaVP\Desktop\IBM> python assi2.py
The recorded temperature in fahrenheit =  70
The recorded humidity in percentage =  20
Alarm off
```

CASE – 2: Alarm on

```
PS C:\Users\SangeethaVP\Desktop\IBM> python assi2.py
The recorded temperature in fahrenheit =  140
The recorded humidity in percentage =  42
Fire alert - Alarm on
```