K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

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IOT Assignment

Domain: IOT based smart crop protection

Topic: Assignment on temperature and humidity sensing and alarm automation using python

Code:

```
Import random

While(True):

a=random.randint(8,88)

b=random.randint(8,99)

if(a>45 and b>60):

    print("high temperature and humidity of:",a,b"%","alarm is on")

    elif(a<39 and b<70):

        print("normal temperature and humidity of:",a,b,"%","alarm is off")

        break
```

```python
import random
while (True):
    a = random.randint (8, 88)
    b = random.randint (8, 99)
    if (a > 45 and b > 60):
        print ("high temprature and humidity of:", a, b, "%", "alarm is on")
    elif (a < 39 and b < 70):
        print ("normal temperature and humidity of:", a, b, "%", "alarm if off")
        break
```

```
high temprature and humidity of: 48 90 % alarm is on
normal temperature and humidity of: 26 8 % alarm if off


...Program finished with exit code 0
Press ENTER to exit console.
```