project development phase sprint 3

Date	14 NOV 2022
Team ID	PNT2022TMID11461
Project Name	IOT Based Smart Crop Protection
	System For Agriculture

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Develop a python script to detect a temperature, humiditty etc
code:
import time
import ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device Credentials
organization = "ii5wx2"
deviceType = "abcd"
deviceId = "1234"
authMethod = "use-token-auth"
authToken = "12345678"
# Initialize GPIO
def myCommandCallback(cmd):
 print("Command received: %s" % cmd.data['command'])
 status=cmd.data['command']
 if status=="lighton":
   print ("led is on")
 else:
   print ("led is off")
 #print(cmd)
```

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deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "auth-
token": authToken}
      deviceCli = ibmiotf.device.Client(deviceOptions)
      #.....
except Exception as e:
      print("Caught exception connecting device: %s" % str(e))
      sys.exit()
# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting" 10 times
deviceCli.connect()
while True:
    #Get Sensor Data from DHT11
   temp=random.randint(0,100)
   Humid=random.randint(0,100)
   data = { 'temp' : temp, 'Humid': Humid }
   #print data
   def myOnPublishCallback():
      print ("Published Temperature = %s C" % temp, "Humidity = %s %%" % Humid, "to IBM Watson")
   success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0, on_publish=myOnPublishCallback)
   if not success:
      print("Not connected to IoTF")
   time.sleep(1)
   deviceCli.commandCallback = myCommandCallback
# Disconnect the device and application from the cloud
deviceCli.disconnect()
```

try:

- 0 *sprint2.py - C:/Users/Pc/Desktop/project/sprint2.py (3.10.7)* × File Edit Format Run Options Window Help import time
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import ibmiotf.device
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