Sprint 1

Date	24 October 2022
TEAM ID	PNT2022TMID26938
Project Name	IoT Based smart crop Protection system for agriculture
Maximum mark	20 marks

Device credentials information
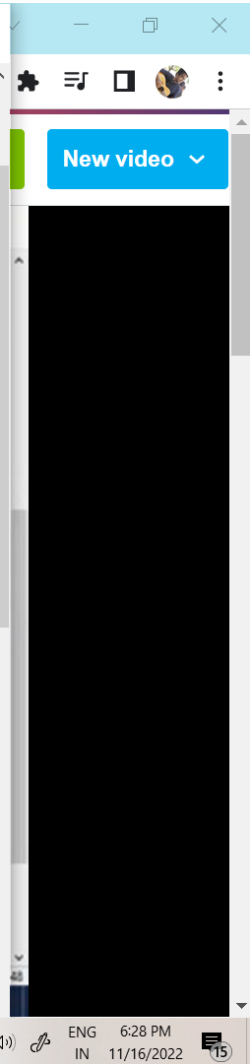
Python Code to Connect:

crop.py - C:\Users\HP\AppData\Local\Programs\Python\Python37\crop.py (3.7.0)

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```python
#Provide your IBM Watson Device Credentials
organization = "7znlxs"
deviceType = "cropprotection"
deviceId = "cropprotectionsystemid"
authMethod = "token"
authToken = "ejrRfZRywhhZCz!mUR"

# Initialize GPIO
def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="lighton":
        print ("led is on")
    elif status == "lightoff":
        print ("led is off")
    else :
        print ("please send proper command")

try:

        deviceOptions = {"org": organization, "type": deviceType, "id": deviceId
        deviceCli = ibmiotf.device.Client(deviceOptions)
        #........................................

except Exception as e:
        print("Caught exception connecting device: %s" % str(e))
```

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Connect the Sensor in IBM Watson With Python Code:


```
import t Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD6
import s 4)] on win32
import i Type "copyright", "credits" or "license()" for more information.
import i >>> import pip
import r >>>

#Provide ==== RESTART: C:\Users\HP\AppData\Local\Programs\Python\Python37\crop.py ====
organiza 2022-11-16 18:16:20,916    ibmiotf.device.Client    INFO    Connected successfu
deviceTy lly: d:7znlxs:cropprotection:cropprotectionsystemid
deviceIc Published Temperature = 99 C Humidity = 67 % to IBM Watson
authMeth Published Temperature = 108 C Humidity = 89 % to IBM Watson
authToke

# Initia
def myC
    prin
    stat
    if s

    elif

    else


try:
```