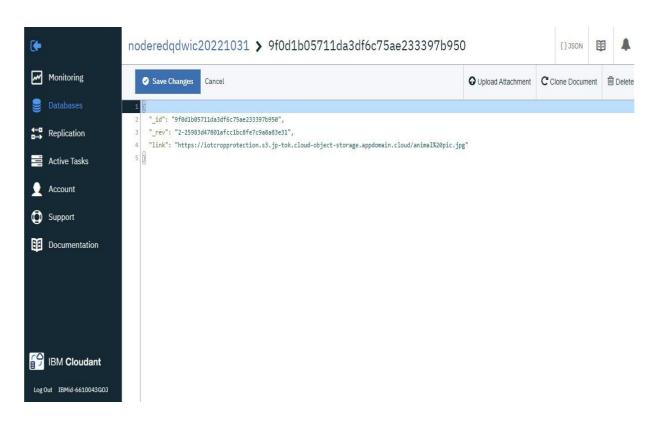
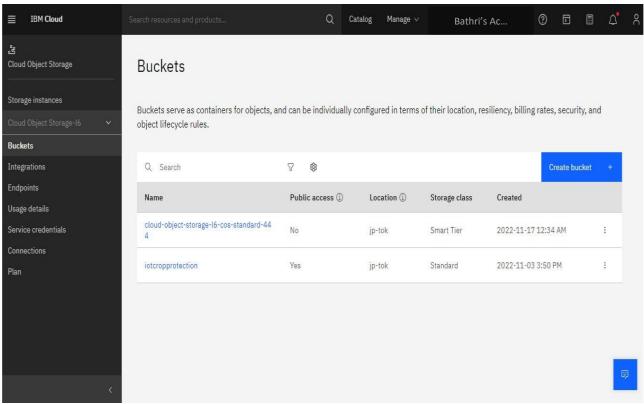
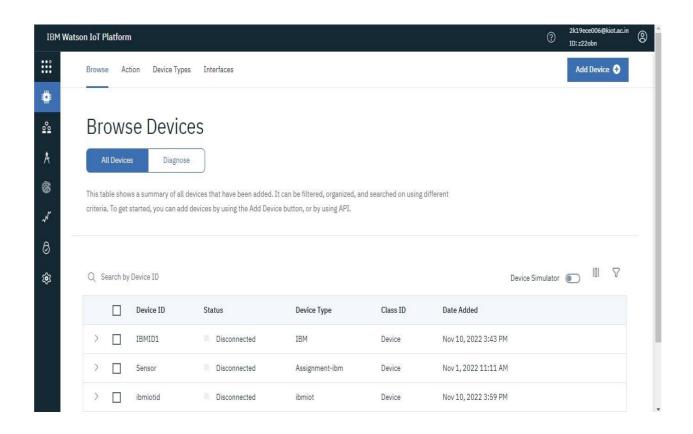
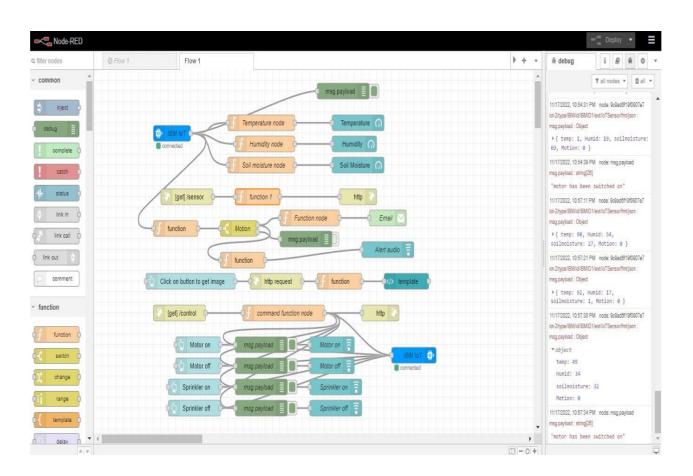
PREREQUISITES

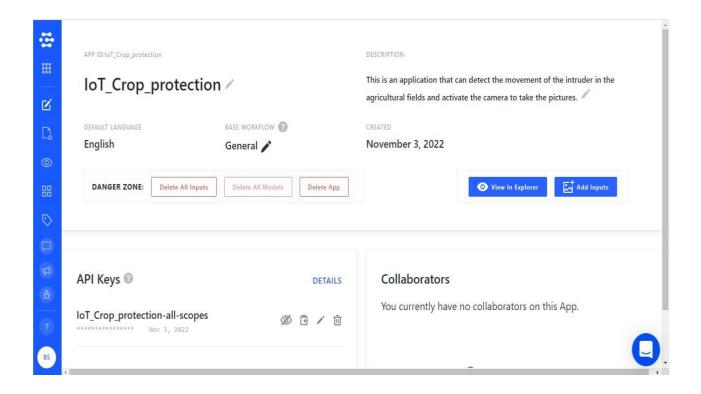
Team ID	PNT2022TMID17444
Project Name	IoT Based Smart Crop Protection System for Agriculture











```
File Edit Format Run Options Window Help
import time
import sys
import ibmiotf.application
import ibmiotf.device
 import random
Import random
#Provide your IBM Watson Device Credentials
organization = "z22obn"
deviceType = "IBM"
deviceId = "IBMID1"
authMethod = "token"
authToken = "TOKENIBM"
try:
          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
          temp=random.randint(0,100)
Humid=random.randint(0,100)
soilmoisture = random.randint(0,100)
          print("Motion detected..!")
          else :
               motion = 0
          data = { 'temp' : temp , 'Humid': Humid , 'soilmoisture' : soilmoisture , 'Motion' : motion }
           def myOnPublishCallback():
    print ("Fublished to IBM Watson...!")
    print ("Temperature = %s C" % temp, ", Humidity = %s %%" % Humid, ", Soil Moisture = %s %%" % soilmoisture)
```

In: 1 Col: 0