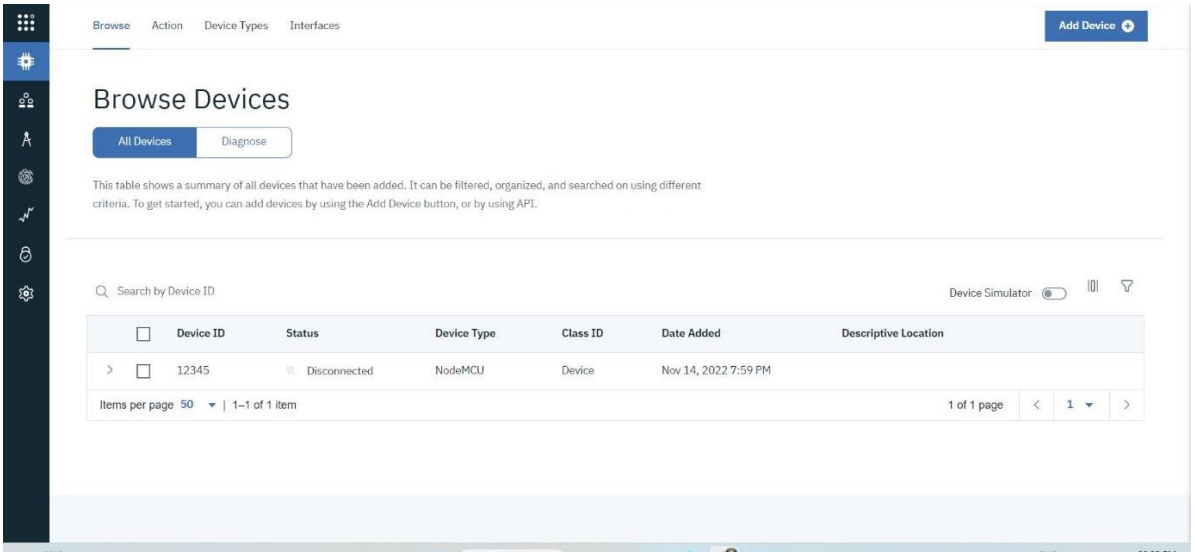
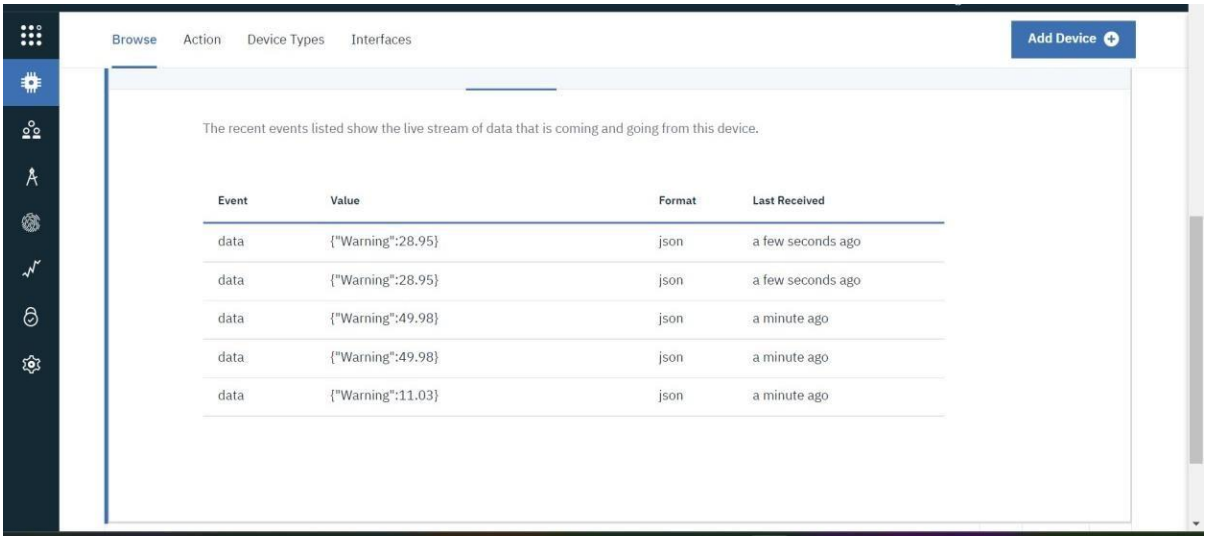
PROJECT DEVELOPMENT DELIVERY OF SPRINT-3

Date	**17-11-2022**
Team ID	PNT2022TMID51175
ProjectName	**Project-IoT Based Safety Gadget For Child Safety Monitoring & Notification**
MaximumMarks	

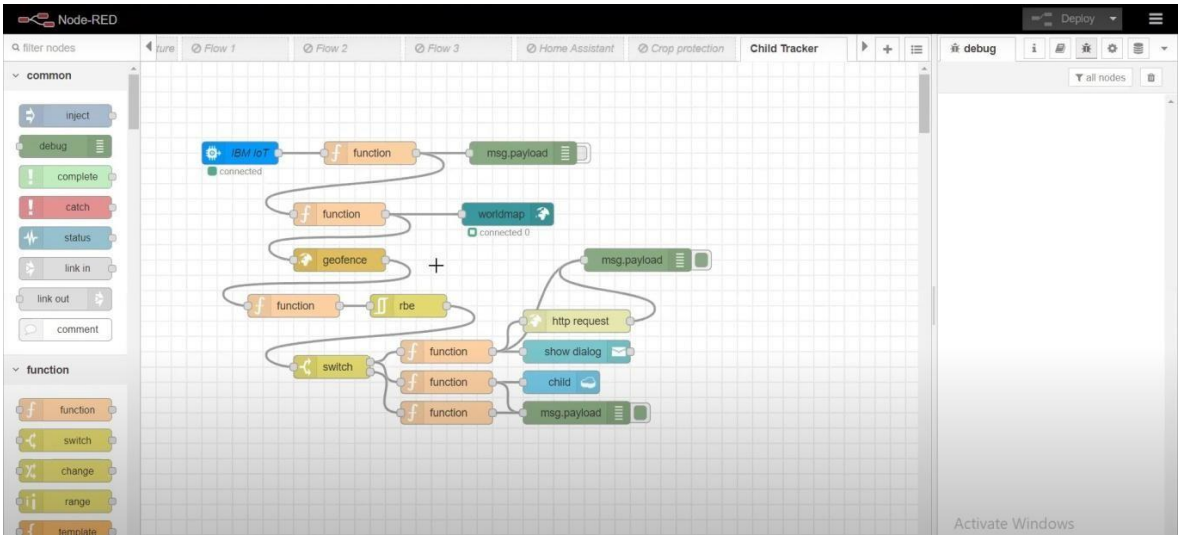
IOT DEVICE – WATSON COMMUNICATION

The data from IoT device should reach IBM Cloud





NODE RED-CLOUDANTDB COMMUNICATION:

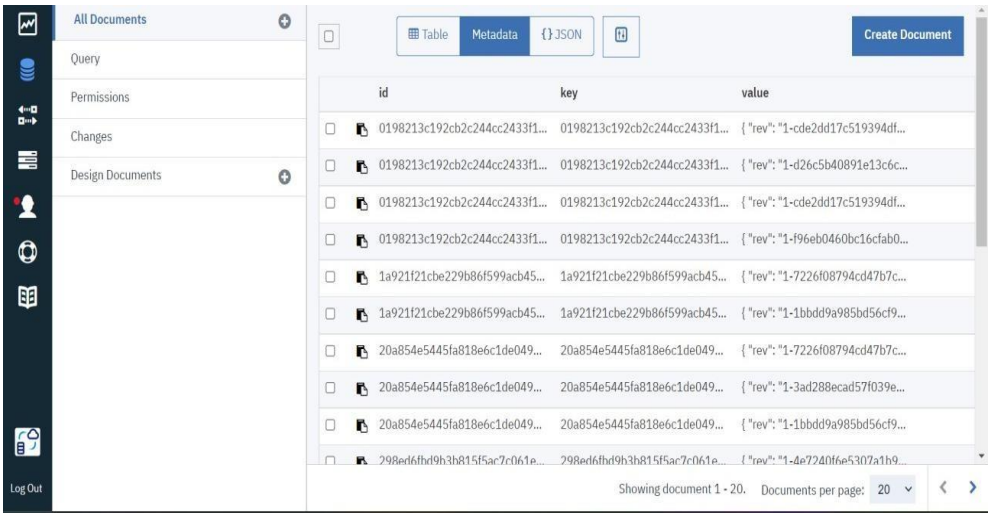


child.py

```python
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity": {
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    name= "Smartbridge"
    #in area location

    #latitude= 17.4225176
    #longitude= 78.5458842

    #out area location

    latitude= 17.4219272
    longitude= 78.5488783
    myData={'name': name, 'lat':latitude,'lon':longitude}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPub
    print("Data published to IBM IoT platfrom: ",myData)
    time.sleep(5)

client.disconnect()
```

Console 2/A

```
Data published to IBM IoT platfrom:
Data published to IBM IoT platfrom:
Data published to IBM IoT platfrom:
```



RESULT:

The data stored in IBM Cloud should be properly integrated with Cloudant DB.