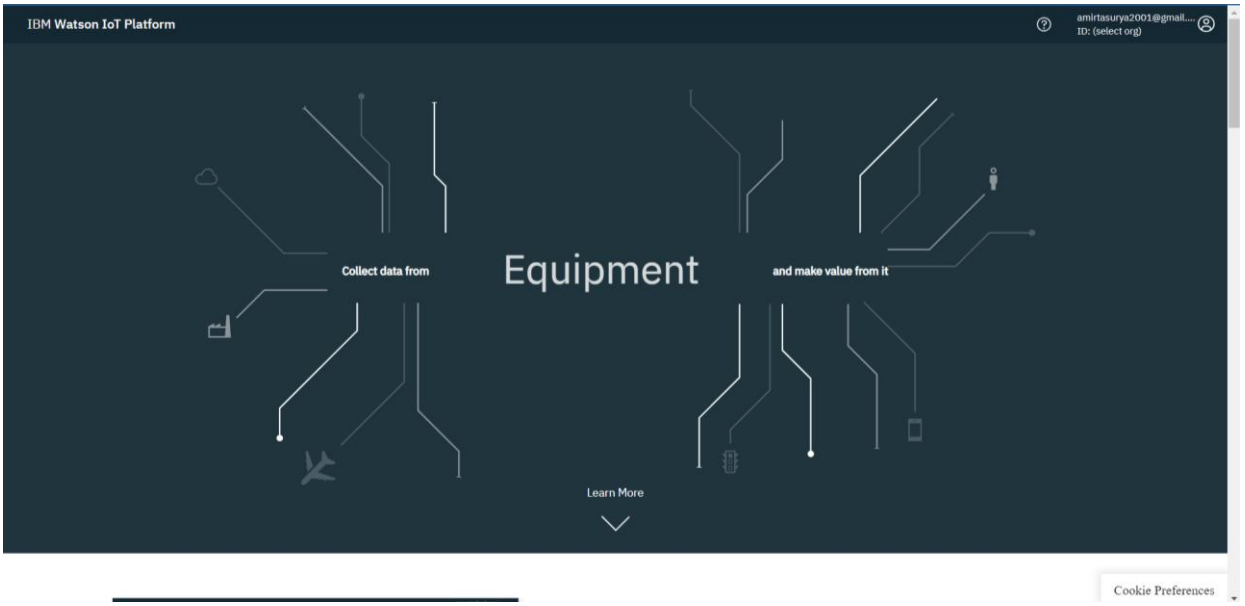
Project Development –Delivery plan sprint-2

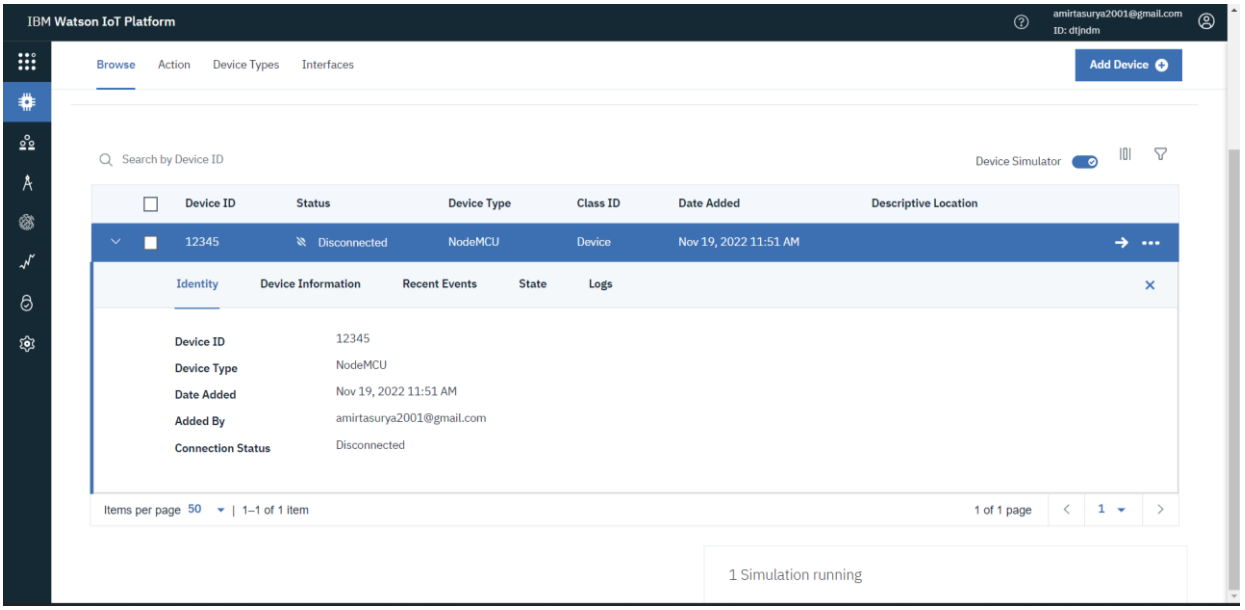
IoT Based Safety Gadget for Child Safety Monitoring & Notification

TEAM ID: PNT2022TMID04578

Creating and Connecting IBM cloud for Project and Python Code

Creating IBM Cloud Service and creating the device:





Creating Python Code:

```
import json
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity":{
        "orgId": " dtjndm",
        "typeId": "NodeMCU",
         "deviceId": "12345"
    },
    "auth": {
        "token":" ZpMI(1tuH5i)sUReQi"
    }
}
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, onPublish=None)
    print("Data Published to IBM IoT platfrom: ", myData)
    time.sleep(5)

client.disconnect()
```

Connecting IBM Watson and python Code:

In-Area Location:

python1.py - C:/Users/Amirtasurya/AppData/Local/Programs/Python/Python37/python1.py (3.7.0)

File Edit Format Run Options Window Help

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import wiotp.sdk.device
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```

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Python 3.7.0 Shell

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```
==================== RESTART: D:/ibm project/python1.py ====================
Traceback (most recent call last):
  File "D:/ibm project/python1.py", line 2, in <module>
    import wiotp.sdk.device
ModuleNotFoundError: No module named 'wiotp'
>>>
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  File "D:/ibm project/python1.py", line 2, in <module>
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    import wiotp.sdk.device
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>>>
 RESTART: C:/Users/Amirtasurya/AppData/Local/Programs/Python/Python37/python1.py
Data Published to IBM IoT platfrom: 2022-11-19 13:18:32,657  wiotp.sdk.device.client.DeviceClient  INFO    Connected successfully: d:dtjndm:NodeMCU:12345
{'name': 'Smartbridge', 'lat': 17.4225176, 'lon': 78.5458842}
Data Published to IBM IoT platfrom:  {'name': 'Smartbridge', 'lat': 17.4225176, 'lon': 78.5458842}
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Data Published to IBM IoT platfrom:  {'name': 'Smartbridge', 'lat': 17.4225176, 'lon': 78.5458842}
```

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Out-Area Location: