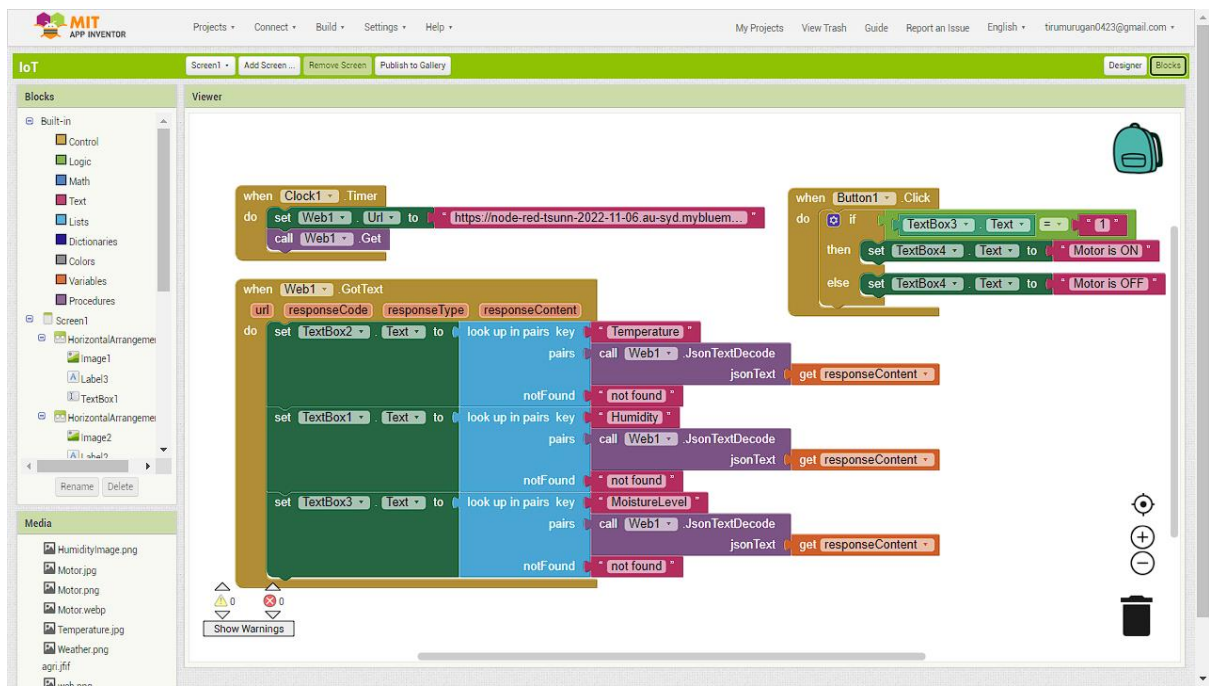


Project Development Phase Sprint-4 Integrating the applications with NODE RED

Date	19 November 2022
Team ID	PNT2022TMID26085
Project Name	Project – Smart farmer-IoT enabled smart farming application.
Maximum Marks	4 Marks

MIT APP INVENTOR BACKEND:



Thus this is how we used to integrate the MIT APP with NODE RED With these BACKEND Application Blocks.

IBM CLOUDANT:

The screenshot shows the IBM Cloudant dashboard for a database named 'iot_db'. The left sidebar contains navigation options: All Documents, Query, Permissions, Changes, and Design Documents. The main area displays a table of documents with columns 'id', 'key', and 'value'. The table lists 20 documents, each with a unique ID and a JSON value. The bottom of the dashboard shows 'Showing document 1 - 20' and 'Documents per page: 20'.

id	key	value
2489f88068d965ddb1550874e...	2489f88068d965ddb1550874e...	{ "rev": "1-5d2a5d09f6a62b663...
2489f88068d965ddb1550874e...	2489f88068d965ddb1550874e...	{ "rev": "1-5d2a5d09f6a62b663...
2489f88068d965ddb1550874e...	2489f88068d965ddb1550874e...	{ "rev": "1-5d2a5d09f6a62b663...
32357f2cfd9b94aecc175b0218...	32357f2cfd9b94aecc175b0218...	{ "rev": "1-13e0a6ba0c32a8c33...
32357f2cfd9b94aecc175b0218...	32357f2cfd9b94aecc175b0218...	{ "rev": "1-a7c11b9a585d25e53...
32357f2cfd9b94aecc175b0218...	32357f2cfd9b94aecc175b0218...	{ "rev": "1-901c6af9e1ec7b755...
32357f2cfd9b94aecc175b0218...	32357f2cfd9b94aecc175b0218...	{ "rev": "1-901c6af9e1ec7b755...
32357f2cfd9b94aecc175b0218...	32357f2cfd9b94aecc175b0218...	{ "rev": "1-901c6af9e1ec7b755...
32357f2cfd9b94aecc175b0218...	32357f2cfd9b94aecc175b0218...	{ "rev": "1-4f5dce34f722689ea...
32357f2cfd9b94aecc175b0218...	32357f2cfd9b94aecc175b0218...	{ "rev": "1-4f5dce34f722689ea...

We can observe the logs which have been entered through the App has been visible in this platform.

The screenshot shows the IBM Cloudant dashboard for a specific document in the 'iot_db' database. The document ID is '2489f88068d965ddb1550874effe88cd'. The document is displayed in a JSON format. The document contains a 'payload' object with 'Temperature', 'Humidity', and 'MoistureLevel' fields, and a 'deviceId' field.

```
1 {
2   "_id": "2489f88068d965ddb1550874effe88cd",
3   "_rev": "1-5d2a5d09f6a62b66381cafcb4e73c976",
4   "topic": "iot-2/type/IoT/id/0423/evt/Data/fmt/json",
5   "payload": {
6     "Temperature": 3,
7     "Humidity": 26.2,
8     "MoistureLevel": 20
9   },
10  "deviceId": "0423",
11  "deviceType": "IoT",
12  "eventType": "Data",
13  "format": "json"
14 }
```