Sprint Delivery – 4

Project	IoT Enabled Smart Farming Application
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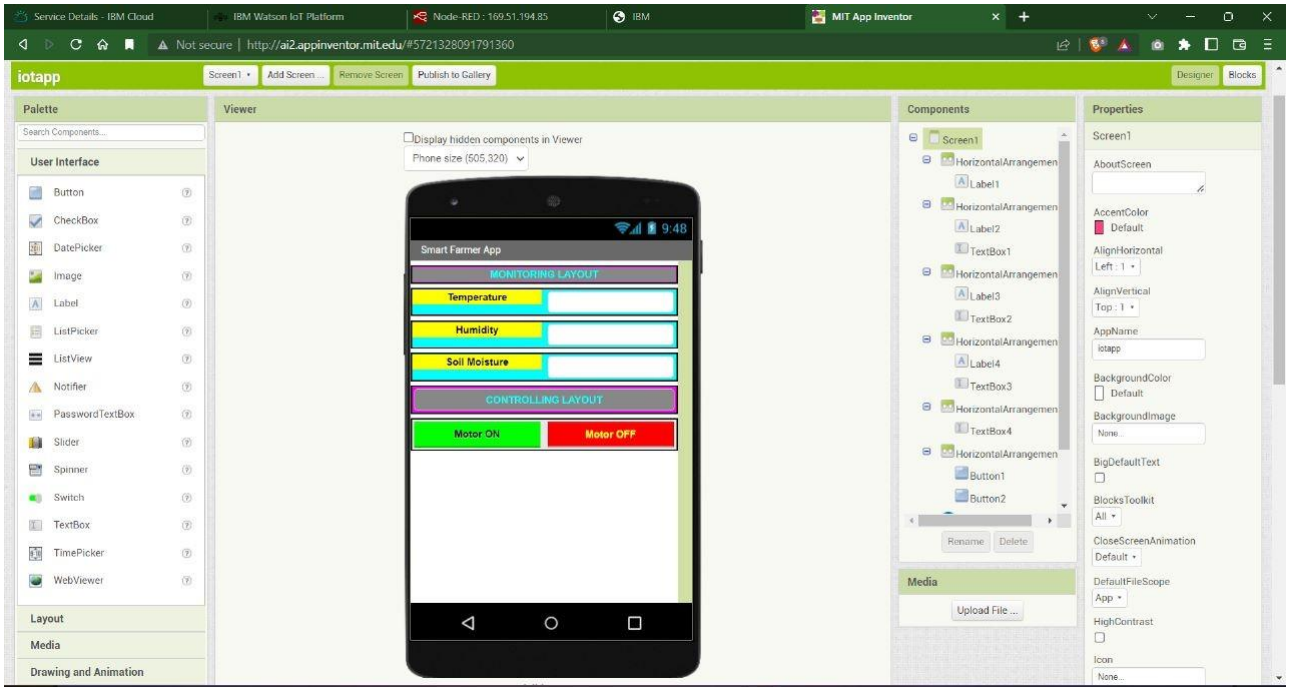
Date	12 November 2022

As a final sprint phase , All the sensor data should be known to the farmer as real-time data. So farmer can make decisions to perform some activities like motor on or off ,light on or off,etc..

So, we created a mobile application as User Interface to display the real-time data and to control operation using command buttons in the mobile application. It is created using the MIT APP INVENTOR platform.

Developing mobile application:

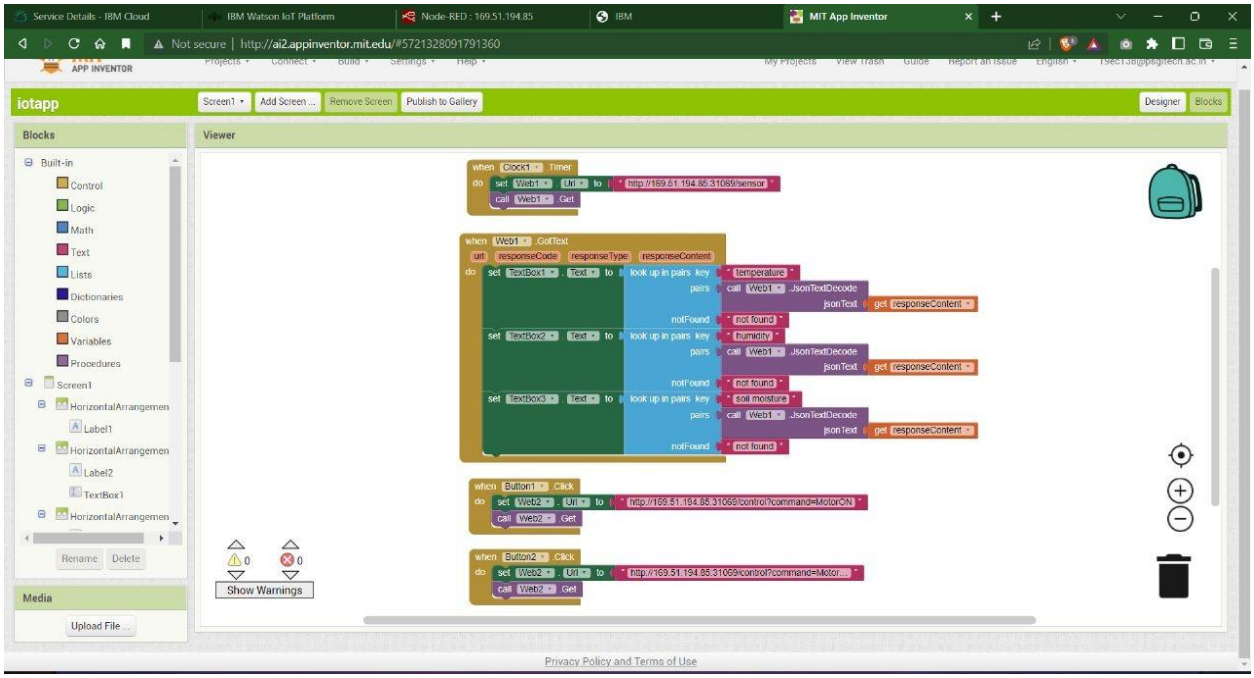
Step 1: To create UI



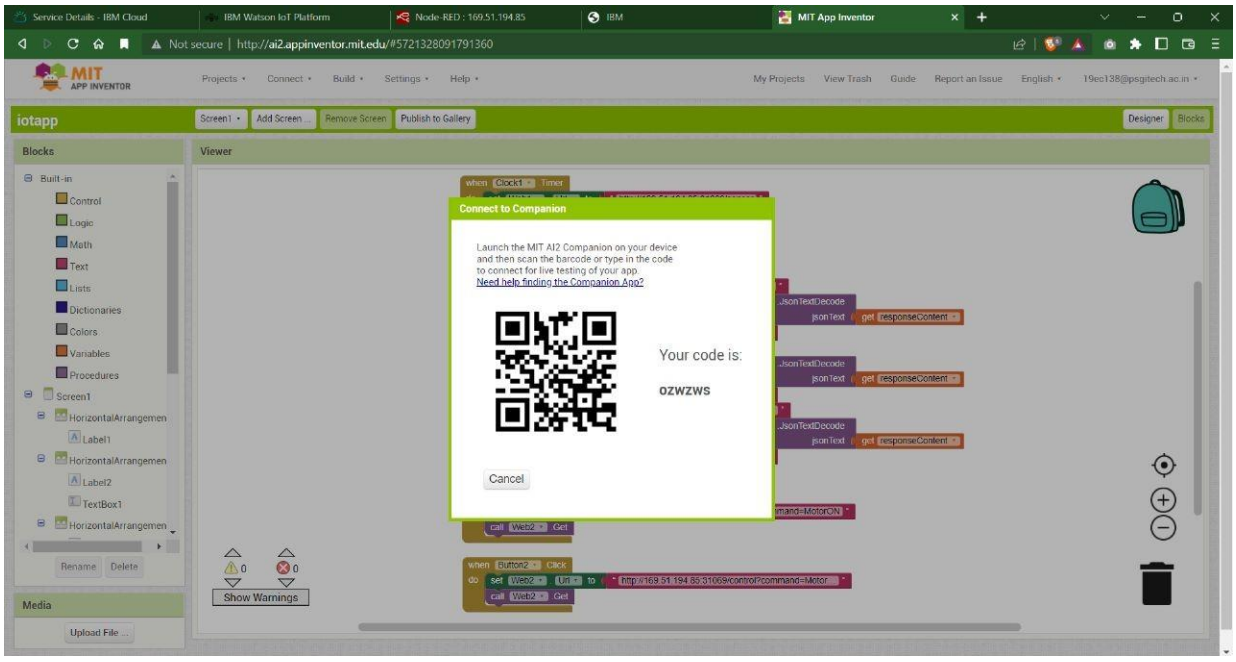
Step 2: Connecting the logical blocks

1 -> for motor on
2 -> for motor off
The Java script code for the analysis:

```
if(msg.payload===1)
        msg.payload={"command": “ON"};
else if(msg.payload===0)
        msg.payload={"command": “OFF"};
```



Step 3 : To display this in a mobile application , MIT AI-2 companion should be installed from the play store.



Step 4 : Final output display in the mobile application