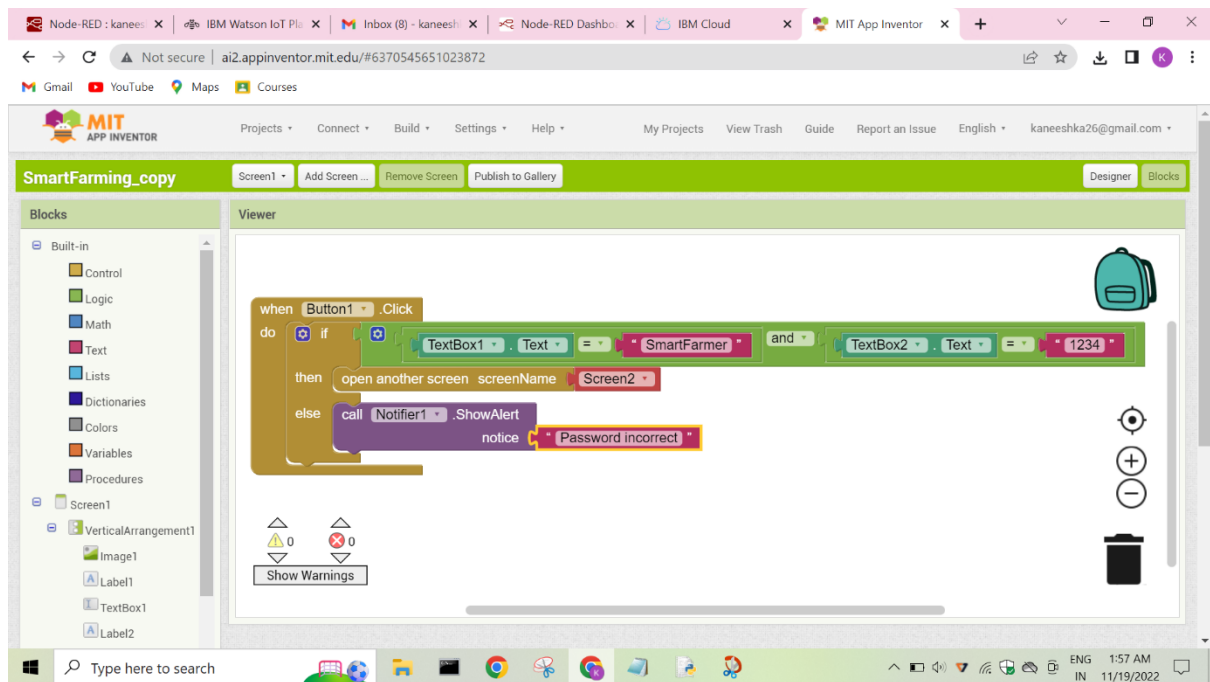


## SPRINT 4:

Date	29 October 2022
Team ID	PNT2022TMID04540
Project Name	Project – Smart Farmer-IoT Enabled smart Farming Application

## Backend in MIT Inventor:

### SCREEN 1:



## SCREEN 2:

This screenshot shows the MIT App Inventor interface for a project named "SmartFarming\_copy". The "Blocks" palette on the left includes categories like Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. The "Screen2" category is expanded, showing components like Image1, Label1, TextBox1, and Image2. The "Viewer" pane displays the following code blocks:

- when Clock1.Timer**
  - do **set Web1.Url** to `https://kaneeshka.eu-gb.mybluemix.net/sensordata`
  - call Web1.Get**
- when Web1.GotText**
  - url** `responseCode` `responseType` `responseContent`
  - do **set TextBox1.Text** to **look up in pairs** key `temperature` pairs **call Web1.JsonTextDecode** `jsonText` **get responseContent**
  - set TextBox3.Text** to **look up in pairs** key `humidity` pairs **call Web1.JsonTextDecode** `jsonText` **get responseContent**
  - set TextBox2.Text** to **look up in pairs** key `soil_moisture` pairs **call Web1.JsonTextDecode** `jsonText get responseContent`
  - Show Warnings**

The interface also shows a Windows taskbar at the bottom with the search bar and various application icons. The system clock indicates 1:57 AM on 11/19/2022.

This screenshot shows the MIT App Inventor interface for the same project, displaying the second screen. The "Blocks" palette is identical to the first screen. The "Viewer" pane displays the following code blocks:

- set TextBox2.Text** to **look up in pairs** key `soil_moisture` pairs **call Web1.JsonTextDecode** `jsonText` **get responseContent**
- when Button3.Click**
  - do **set Web2.Url** to `https://kaneeshka.eu-gb.mybluemix.net/control?co...`
  - call Web2.Get**
- when Button2.Click**
  - do **set Web2.Url** to `https://kaneeshka.eu-gb.mybluemix.net/control?co...`
  - call Web2.Get**
- Show Warnings**

The interface also shows a Windows taskbar at the bottom with the search bar and various application icons. The system clock indicates 1:58 AM on 11/19/2022.