

Team ID	PNT2022TMID42646
Project Name	Smart Farmer - IoT Enabled Smart Farming Application

DEVELOP A MOBILE APPLICATION

The screenshot displays the MIT App Inventor web interface in a browser window. The address bar shows the URL: <https://ai2.appinventor.mit.edu/#6452337800249344>. The interface is divided into several panels:

- Palette:** Contains a search bar and categories for components:
 - User Interface:** Includes Button, CheckBox, DatePicker, Image, Label, ListPicker, ListView, Notifier, PasswordTextBox, Slider, Spinner, Switch, TextBox, TimePicker, and WebViewer.
 - Layout:**
 - Media:**
 - Drawing and Animation:**
- Viewer:** Shows a mobile phone mockup of the application. The app has a title "SmartFarmer - IoT Enabled Smart Farming Application" and three main sections: "Temperature", "Humidity", and "Soil Moisture", each with a corresponding icon and a text input field. At the bottom, there are two toggle switches labeled "Switch on" (ON) and "Switch off" (OFF).
- Components:** A tree view showing the hierarchy of components on the screen:
 - Screen1
 - HorizontalArrangement1
 - Label1
 - HorizontalArrangement2
 - Image1
 - Image4
 - TextBox1
 - Label2
 - HorizontalArrangement3
 - Image2
 - Image5
 - Label6
 - TextBox2
 - Label3
 - HorizontalArrangement4
 - Image3
 - Image6
- Properties:** A panel for configuring the selected component (Screen1). It includes settings for:
 - AboutScreen: A text input field.
 - AccentColor: Set to Default.
 - AlignHorizontal: Set to Left: 1.
 - AlignVertical: Set to Top: 1.
 - AppName: Set to App_develop.
 - BackgroundColor: Set to Default.
 - BackgroundImage: Set to None.
 - BigDefaultText: A checkbox.
 - BlocksToolkit: Set to All.
 - CloseScreenAnimation: Set to Default.
 - DefaultFileScope: Set to App.
 - HighContrast: A checkbox.
 - Icon: A dropdown menu.

At the bottom of the interface, there is a taskbar showing open files: "IBM Watson & N...docx" and "App_develop.aia". A "Show all" button is visible in the bottom right corner.

MIT APP INVENTOR

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App_develop Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - HorizontalArrangemen
 - Label1
 - HorizontalArrangemen
 - Image1
 - Image4
 - TextBox1

Media

Viewer

when Clock1 Timer

do

- set Web1 Url to "http://node-red-ogtdt-dj.eu-gb.mybluemix.net/data"
- call Web1 Get

when Web1 GotText

do

- set TextBox1 Text to look up in pairs key temperature pairs call Web1 JsonTextDecode jsonText get responseContent
- set TextBox2 Text to look up in pairs key humidity pairs call Web1 JsonTextDecode jsonText get responseContent
- set TextBox3 Text to look up in pairs key Returns the value associated with the key in the list of pairs jsonText get responseContent

when Button1 Click

do

- set Web2 Url to "https://node-red-ogtdt-dj.eu-gb.mybluemix.net/co..."
- call Web2 Get

when Button2 Click

do

- set Web2 Url to "https://node-red-ogtdt-dj.eu-gb.mybluemix.net/co..."
- call Web2 Get

Show Warnings

IBM Watson & No... App_develop.aia

Show all

Mobile Application

