

Team ID	PNT2022TMID19466
Project Title	Smart Farmer – IoT enabled Smart Farming Application
Date	16-11-2022

Build a web Application using MIT APP INVENTOR:

- Open MIT APP INVENTOR.
- Connect it with the iot Watson platform.
- Add labels, textboxes and add layout horizontal.
- Provide it with height and width.

IBM App Developer x Node-RED: node- x IBM Cloud Account x Service Details x IBM Watson IoT x Create a Cluster x MIT App Inventor x MIT App Inventor x

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Smart_Farming_Application_copy

Screen1 Add Screen Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - HorizontalArrangement
 - Label1
 - HorizontalArrangement
 - Label2
 - HorizontalArrangement
 - TextBox1

Viewer

```
when Clock1.Timer
do
  set Web1.Uri to https://node-red-apdct-2022-11-15.eu-gb.mybluemix.net
  call Web1.Get

when Web1.GetText
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 Moisture pairs call Web1.JsonTextDecode jsonText get [responseContent]
```

node-red-apdct-20...zip

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Smart_Farming_Application

Screen1 Add Screen Remove Screen Publish to Gallery Designer Blocks

Blocks

- Button
- CheckBox
- DatePicker
- Image
- Label
- DatePicker
- ListView
- Notifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker
- WebView

Layout

Media

Drawing and Animation

Maps

Non-visible components

- Web1
- Clock1
- Web2

HorizontalArrangement

- Label2

HorizontalArrangement

- TextBox1

HorizontalArrangement

- Label3

HorizontalArrangement

- TextBox2

HorizontalArrangement

- Label4

HorizontalArrangement

- TextBox3

HorizontalArrangement

- Button1

HorizontalArrangement

- Button2

Web1

Clock1

Web2

AppName: Smart_Farming_Application

BackgroundColor: Default

BackgroundImage: None

BigDefaultText:

CloseScreenAnimation: Default

DefaultFileScope: App

HighContrast:

Icon: None

OpenScreenAnimation: Default

Upload File

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