

SPRINT-3

Team ID	PNT2022TMID42646
<u>Project Name</u>	Smart farmer - IoT Enabled smart farming application.

Project Tracker

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	15	5 Days	26 Oct 2022	30 Oct 2022	15	30 Oct 2022
Sprint-2	15	7 Days	31 Oct 2022	06 Nov 2022		07 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022		13 Nov 2022
Sprint-4	15	6 Days	13 Nov 2022	18 Nov 2022		18 Nov 2022 – 19 Nov 2022

S.NO	Tools & Technology Used
1	MIT App Inventor – For Creating Application
2	Cloudant DB – Used as a Database to store the received sensor data
3	Manual Testing – Apps are tested manually

Home Screen Creation

Browser tabs: You are | IBM | IBM-Pr | IBM Cl | Service | IBM W | Clouda | Node-F | Node-F | node-r | https:// | MIT Ap | MIT x | (no sul | IBM-Pr | New Te | +

Address bar: Not secure | ai2.appinventor.mit.edu/#6452337800249344

Palette

Search Components...

User Interface

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

Layout

Media

Drawing and Animation

Viewer

☒ Display hidden components in Viewer

Phone size (505,320)

Screen1

SmartFarmer - IoT Enabled Smart Farming Application

Temperature

Humidity

Soil Moisture

Switch on ON Switch off OFF

Components

- Screen1
 - HorizontalArrangemen
 - Label1
 - HorizontalArrangemen
 - Image1
 - Image4
 - TextBox1
 - Label2
 - HorizontalArrangemen
 - Image2
 - Image5
 - Label6
 - TextBox2
 - Label3
 - HorizontalArrangemen
 - Image3
 - Image6

Rename Delete

Media

- Hum.png
- Humiditytxt.png
- LOgo.png

Properties

Screen1

AboutScreen

AccentColor

AlignHorizontal

AlignVertical

AppName

BackgroundColor

BackgroundImage

BigDefaultText

BlocksToolkit

CloseScreenAnimation

DefaultFileScope

HighContrast

Icon

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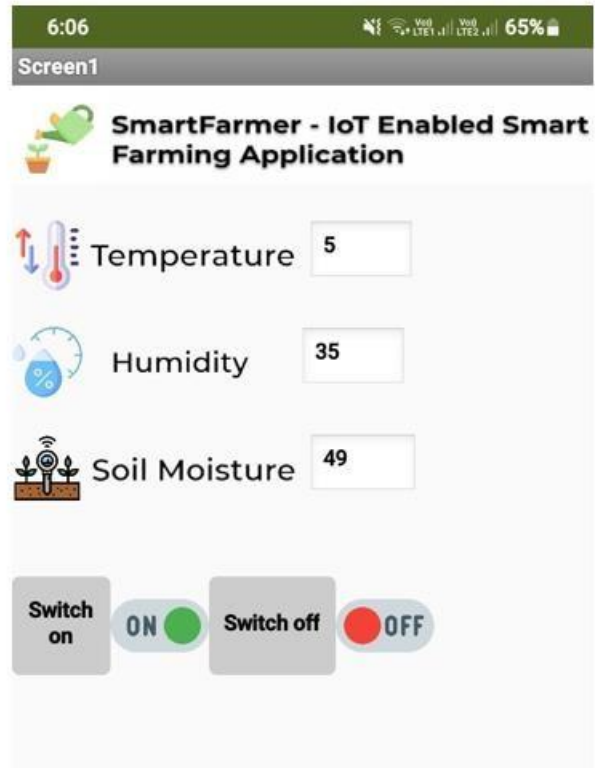
Show all

Blocks Creation

The screenshot displays the MIT App Inventor web interface for a project named "App_develop". The interface is divided into several sections:

- Top Bar:** Contains navigation links like "Projects", "Connect", "Build", "Settings", and "Help". It also shows the user's profile and email address.
- Left Sidebar:**
 - Blocks:** A palette of built-in blocks categorized into Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. The "Screen1" category is expanded, showing "HorizontalArrangemen", "Label1", and "Image1".
 - Media:** A section for managing media assets, currently showing "Image1" and "Image4".
- Main Workspace:**
 - Viewer:** The central area for viewing and editing the app's logic. It shows three event-driven code blocks:
 - when Clock1 - Timer:** A "do" block containing "set Web1 - .Url - to" and "call Web1 - .Get".
 - when Web1 - GotText:** A "do" block containing a "look up in pairs" block with a "key" of "temperature" and a "value" of "Not found". It also includes a "call Web1 - .JsonTextDecode" block and a "get responseContent" block.
 - when Button1 - Click:** A "do" block containing "set Web2 - .Url - to" and "call Web2 - .Get".
 - when Button2 - Click:** A "do" block containing "set Web2 - .Url - to" and "call Web2 - .Get".
 - Show Warnings:** A button at the bottom left of the workspace.

Mobile Application



Cloudant DB

Browser tabs: You are | IBM | IBM-Pr | IBM Cl | Service | IBM W | Clo x | Node-f | Node-f | node-r | https:// | MIT Ap | MIT Ap | (no sul | IBM-Pr | New Te | +

Address bar: 186d5c7f-c4f5-44be-87d2-35d8be9944fc-bluemix.cloudant.com/dashboard.html#database/smartfarmer_db/_all_docs

Database: smartfarmer_db

Document ID: [Dropdown]

Options: [Settings] [JSON] [Bookmarks] [Notifications]

Actions: [Table] [Metadata] [JSON] [Create Document]

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Showing document 1 - 100. Documents per page: 100 [Dropdown] [Previous] [Next]

Log Out

Taskbar: Screenshot_20221...jpg | IBM Watson & N....docx | App_developa.ia | Show all x