

SPRINT-3

Team ID	PNT2022TMID42568
<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	21	6 Days	24 Oct 2022	29 Oct 2022	21	30 Oct 2022
Sprint-2	21	6 Days	31 Oct 2022	05 Nov 2022		07 Nov 2022
Sprint-3	21	6 Days	07 Nov 2022	12 Nov 2022		14 Nov 2022
Sprint-4	21	6 Days	14 Nov 2022	19 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

IBM-Project-21204-165977 x Download file | iLovePDF x Welcome to Project! Deligh x IBM x MIT App Inventor x Agriculture Images – Brows x

← → ↻ Not secure | ai2.appinventor.mit.edu/#6329092774166528

Gmail YouTube Maps

User Interface

Button

CheckBox

DatePicker

Image

Label

ListPicker

ListView

Notifier

PasswordTextBox

Slider

Spinner

Switch

TextBox

TimePicker

WebViewer

Layout

Media

Drawing and Animation

More

Phone size (505,320)

Sensor Data Monitor and Control System

IOT Enabled-Smart Farming Agriculture

Temperature

Humidity

SOIL MOISTURE

ON

MOTORON

OFF

MOTOROFF

Non-visible components

HorizontalArrangemen

Image4

Label1

HorizontalArrangemen

Image1

Label2

Label8

TextBox1

Label15

HorizontalArrangemen

Image2

Label3

Label7

Label14

Label17

TextBox2

Rename

Delete

Media

Screenshot(35).png

Screenshot(36).png

humidity.jpg

iot.jpg

BackgroundColor

Light Gray

Enabled

FontBold

FontItalic

FontSize

14.0

FontTypeface

default

Height

Automatic...

Width

Automatic...

On

Text

ON

TextColor

Default

ThumbColorActive

Default

ThumbColorInactive

Default

TrackColorActive

Show all

Blocks Creation

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Gmail YouTube Maps

MIT APP INVENTOR

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

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - HorizontalArrangemen
 - Image4
 - Label1
 - HorizontalArrangemen
 - Image1
 - Label2

Rename Delete

Viewer

when Clock1 -> Timer

do

- set Web1 -> .Uri to https://node-red-cjvvv-2022-11-08-au-syd.mybluem...
- call Web1 -> .Get

when Web1 -> .GetText

do

uri	responseCode	responseType	responseContent
look up in pairs key	?	temperature	
call Web1 -> .JsonTextDecode		jsonText	get responseContent
notFound		not found	
look up in pairs key		humidity	
call Web1 -> .JsonTextDecode		jsonText	get responseContent
notFound		not found	
look up in pairs key		soil_moisture	
call Web1 -> .JsonTextDecode		jsonText	get responseContent
notFound		not found	

when Button1 -> Click

do

- set Web2 -> .Uri to https://node-red-cjvvv-2022-11-08-au-syd.mybluem...
- call Web2 -> .Get

when Button2 -> Click

do

- set Web2 -> .Uri to https://node-red-cjvvv-2022-11-08-au-syd.mybluem...
- call Web2 -> .Get

0 0

Show Warnings

Designer

Blocks

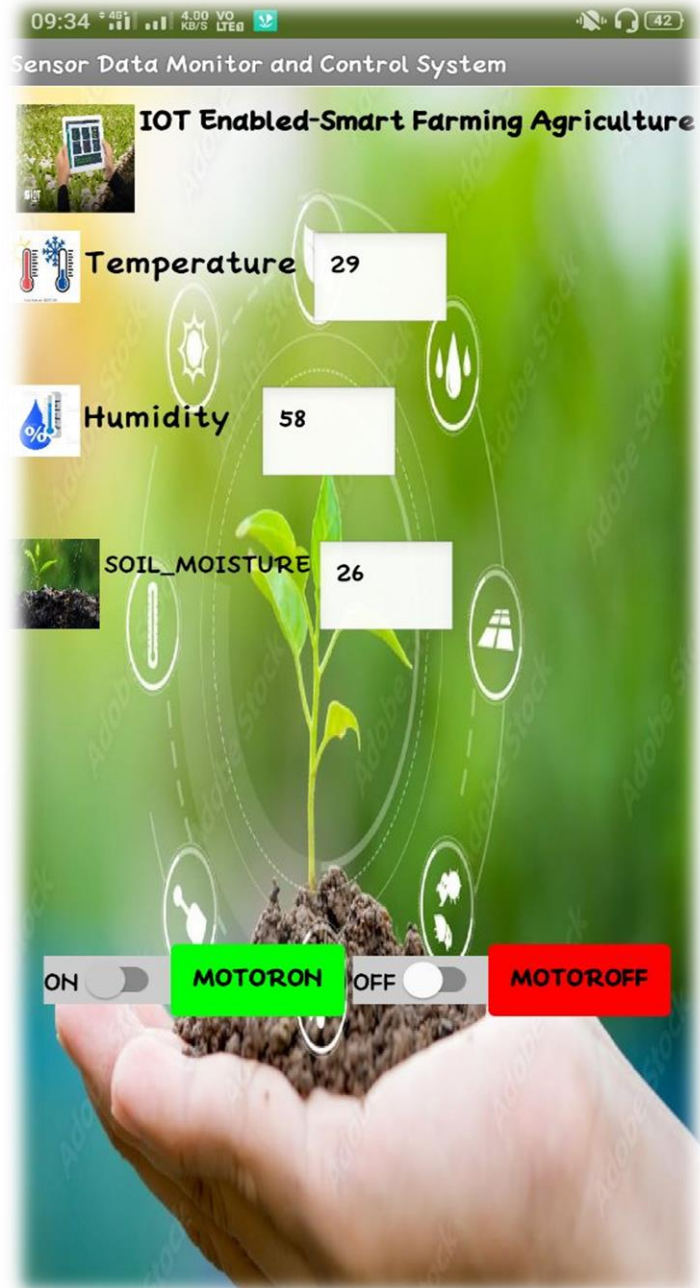
Image4

Label1

Image1

Label2

Mobile Application



Cloudant DB

Log Out

iot_testing_db

All Documents

Query

Permissions

Changes

Design Documents

Document ID

Options

{ } JSON

Table

Metadata

{ } JSON

Create Document

	id	key	value
<input type="checkbox"/>	0754d3083aa54142bedddb80a...	0754d3083aa54142bedddb80a...	{ "rev": "1-466b10343dd177b0f...
<input type="checkbox"/>	0754d3083aa54142bedddb80a...	0754d3083aa54142bedddb80a...	{ "rev": "1-a48b69b4dadd8961b...
<input type="checkbox"/>	0754d3083aa54142bedddb80a...	0754d3083aa54142bedddb80a...	{ "rev": "1-80a8d3949514f6163...
<input type="checkbox"/>	0754d3083aa54142bedddb80a...	0754d3083aa54142bedddb80a...	{ "rev": "1-a3f35de0b5d64e129...
<input type="checkbox"/>	20e4f3d04ad249fb20215485df...	20e4f3d04ad249fb20215485df...	{ "rev": "1-8176ddf0b3f0ab2f1d...
<input type="checkbox"/>	20e4f3d04ad249fb20215485df...	20e4f3d04ad249fb20215485df...	{ "rev": "1-dd42adbefbdda2dc03...
<input type="checkbox"/>	20e4f3d04ad249fb20215485df...	20e4f3d04ad249fb20215485df...	{ "rev": "1-c8028179c64f78be7...
<input type="checkbox"/>	20e4f3d04ad249fb20215485df...	20e4f3d04ad249fb20215485df...	{ "rev": "1-2c47a4c37b1d81756...
<input type="checkbox"/>	517ef9513e842e1496eeac536...	517ef9513e842e1496eeac536...	{ "rev": "1-b9f2ea5243d113313...
<input type="checkbox"/>	517ef9513e842e1496eeac536...	517ef9513e842e1496eeac536...	{ "rev": "1-b490dbed0941f494a...

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