

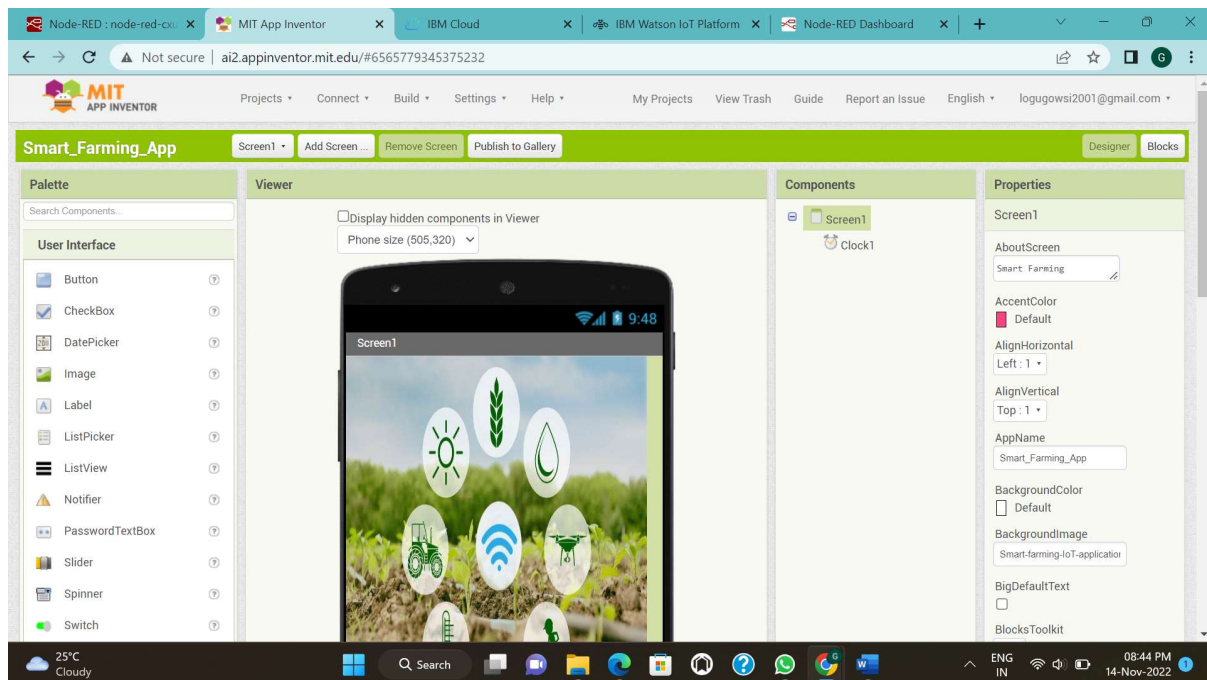
DEVELOP A MOBILE APPLICATION

TITLE	Smart Farmer-IOT Enabled Smart Farming Application
DOMAIN NAME	INTERNET OF THINGS
TEAM ID	PNT2022TMID23830
Project Name	Smart Farmer - IoT Enabled Smart Farming Application
Leader Name	GOWSALYA L
Team Members Name	DEEPIKA B K MEGAVARSHINI G MONISHA N
MENTOR NAME	THIRUPPATHI M

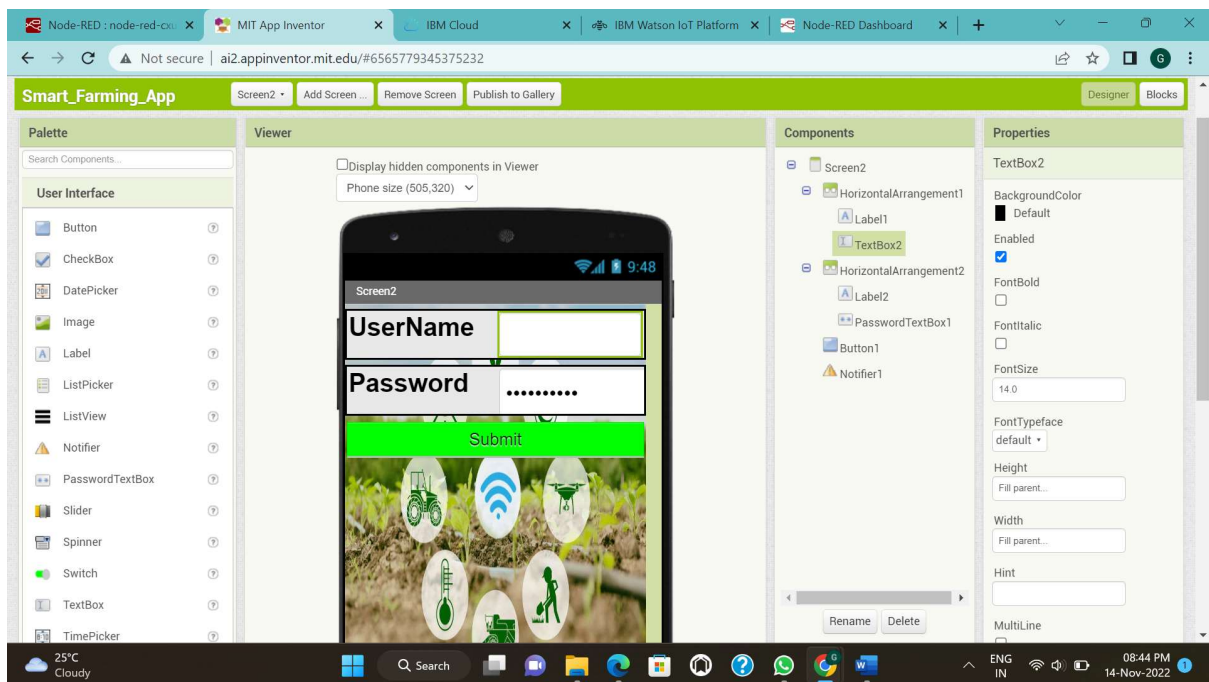
Developed Mobile Application using MIT App Inventor

The following images are taken during App Creation:

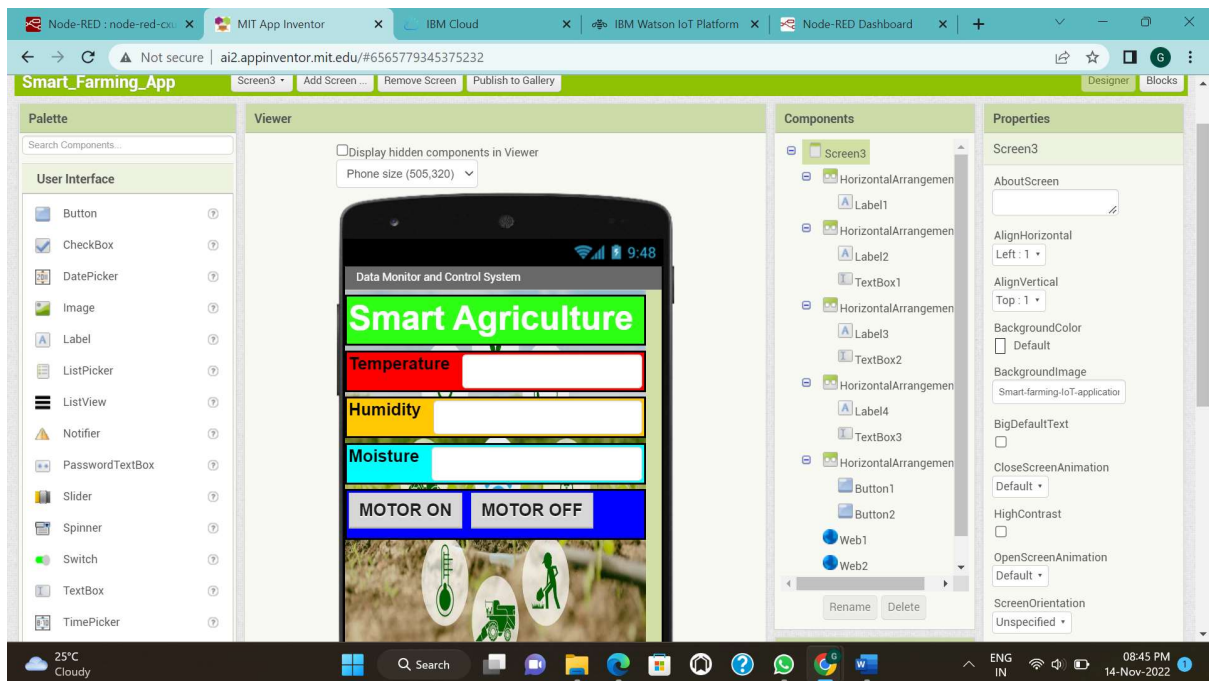
SCREEN 1:



SCREEN 2:



SCREEN 3:



BLOCKS:

The screenshot shows the MIT App Inventor web interface. The top navigation bar includes 'Projects', 'Connect', 'Build', 'Settings', 'Help', 'My Projects', 'View Trash', 'Guide', 'Report an Issue', 'English', and a user email. The main workspace is titled 'Smart_Farming_App' and has tabs for 'Screen3', 'Add Screen...', 'Remove Screen', and 'Publish to Gallery'. On the left, the 'Blocks' palette is visible with categories like Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. The 'Viewer' window on the right shows a code block for a timer event: 'when Clock1 Timer' followed by 'do' containing 'set Web1 Uri to https://node-red-cxugx-2022-11-13.eu-gb.mybluemix.io' and 'call Web1 Get'. Below this, a 'when Web1 Got Text' block is shown with a 'do' section containing three 'look up in pairs' blocks for 'Temperature', 'Humidity', and 'Moisture', each followed by a 'call Web1 JsonTextDecode' and 'get responseContent' block. The interface also shows a 'Show Warnings' button and a 'Designer' tab.

Connecting MIT AI2 Companion:

The screenshot shows the MIT App Inventor web interface. The top navigation bar includes 'Projects', 'Connect', 'Build', 'Settings', 'Help', 'My Projects', 'View Trash', 'Guide', 'Report an Issue', 'English', and a user email. The main workspace is titled 'Smart_Farming_App' and has tabs for 'Screen3', 'Add Screen...', 'Remove Screen', and 'Publish to Gallery'. On the left, the 'Blocks' palette is visible with categories like Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. The 'Viewer' window on the right shows a code block for a timer event: 'when Clock1 Timer' followed by 'do' containing 'set Web1 Uri to https://node-red-cxugx-2022-11-13.eu-gb.mybluemix.io' and 'call Web1 Get'. Below this, a 'when Web1 Got Text' block is shown with a 'do' section containing three 'look up in pairs' blocks for 'Temperature', 'Humidity', and 'Moisture', each followed by a 'call Web1 JsonTextDecode' and 'get responseContent' block. The interface also shows a 'Show Warnings' button and a 'Designer' tab.

App in Mobile :



8:45 PM

4G LTE 69

Screen2

UserName

Password

Submit



8:44 PM

4G 69

Screen2

UserName

GOWSALYA L

Password

• • • • • • • •

Submit



1 2 3 4 5 6 7 8 9 0

@ # ₹ _ & - + () /

=\< * " ' : ; ! ? < x

ABC , 12 34 English . ✓

8:43 PM

4G LTE 69

Data Monitor and Control System

Smart Agriculture

Temperature 95

Humidity 73

Moisture 48

MOTOR ON

MOTOR OFF

