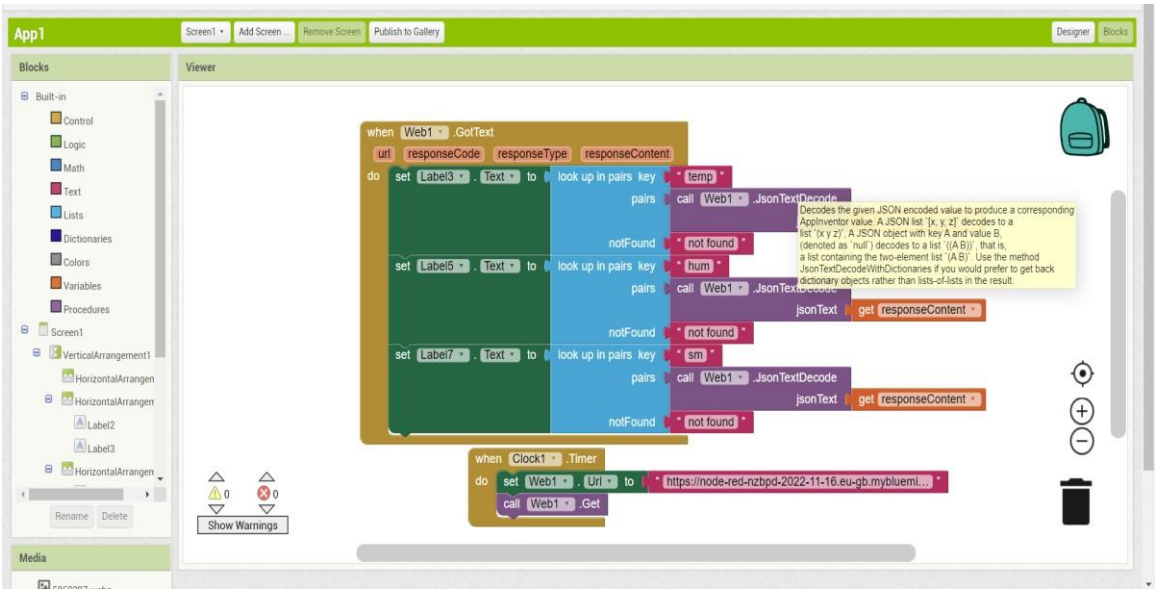
SPRINT – 4

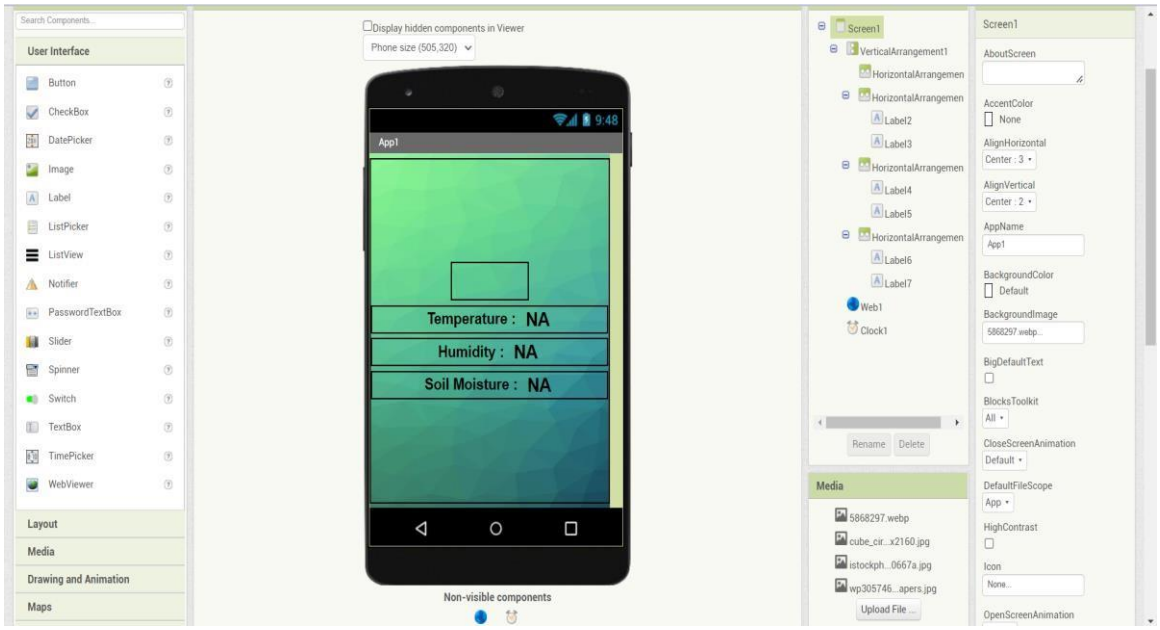
Team ID	PNT2022TMID11108
Project Name	Project – A low cost cloud-Based IoT System for Real-Time Monitoring and Controlling for Smart Farming

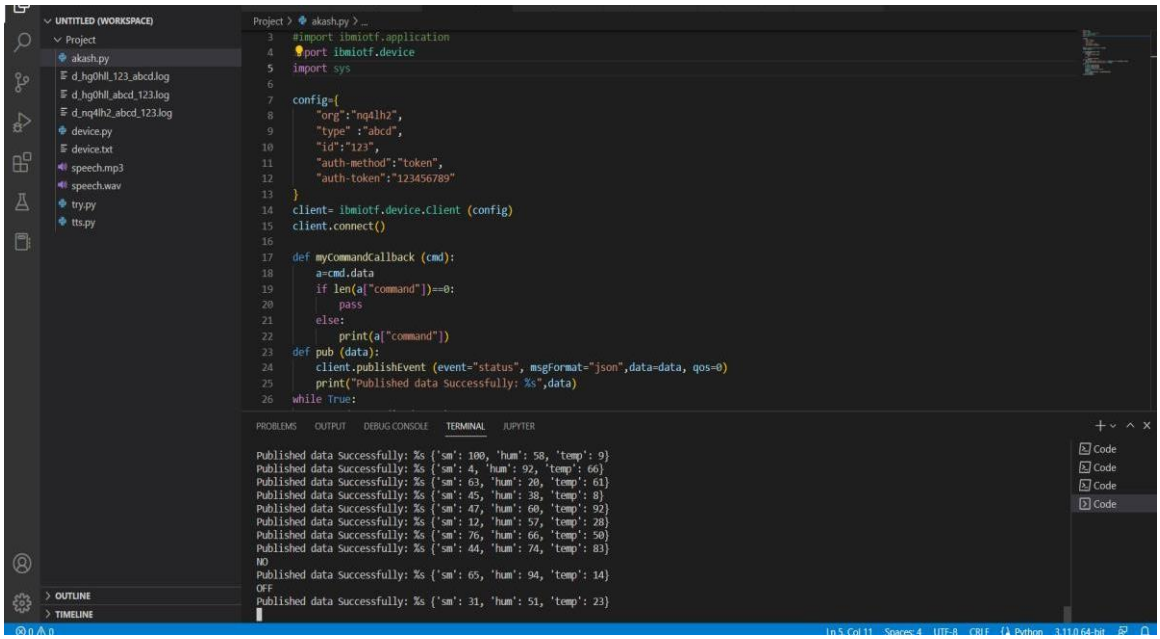
OBJECTIVE:

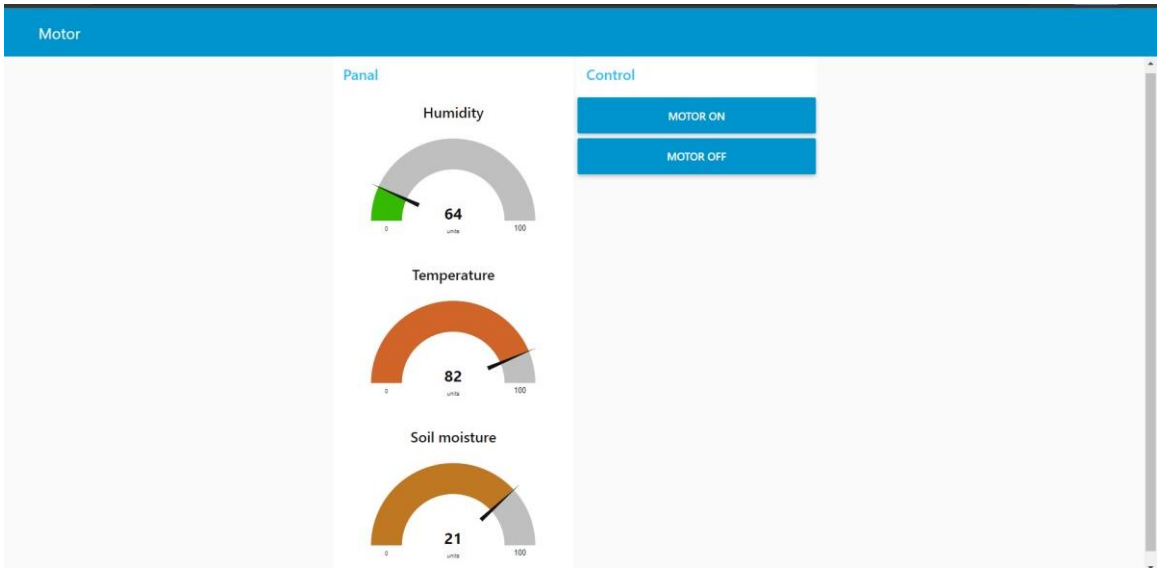
To make the user to interact with software.

DEVELOPED APPLICATION:




Search Components...
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Layout
Media
Drawing and Animation
Maps
Display hidden components in Viewer
Phone size (505,320)
9:48
App1
Temperature : NA
Humidity : NA
Soil Moisture : NA
Non-visible components
Screen1
VerticalArrangement1
HorizontalArrangemen
Label2
Label3
Label4
Label5
Label6
Label7
Web1
Clock1
Rename
Delete
Media
5868297.webp
cube_cir...x2160.jpg
istockph...0667a.jpg
wp305746...apers.jpg
Upload File ...
Screen1
AboutScreen
AccentColor
None
AlignHorizontal
Center : 3
AlignVertical
Center : 2
AppName
App1
BackgroundColor
Default
BackgroundImage
5868297.webp...
BigDefaultText
BlocksToolkit
All
CloseScreenAnimation
Default
DefaultFileScope
App
HighContrast
Icon
None...
OpenScreenAnimation


UNTITLED (WORKSPACE)
Project
akash.py
d_hg0hll_123_abcd.log
d_hg0hll_abcd_123.log
d_nq4lh2_abcd_123.log
device.py
device.txt
speech.mp3
speech.wav
try.py
tts.py
OUTLINE
TIMELINE
Project > akash.py > ...
#import ibmiotf.application
import ibmiotf.device
import sys
config={
"org":"nq4lh2",
"type" :"abcd",
"id":"123",
"auth-method":"token",
"auth-token":"123456789"
}
client= ibmiotf.device.Client (config)
client.connect()
def myCommandCallback (cmd):
a=cmd.data
if len(a["command"])==0:
pass
else:
print(a["command"])
def pub (data):
client.publishEvent (event="status", msgFormat="json",data=data, qos=0)
print("Published data Successfully: %s",data)
while True:
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
JUPYTER
Published data Successfully: %s {'sm': 100, 'hum': 58, 'temp': 9}
Published data Successfully: %s {'sm': 4, 'hum': 92, 'temp': 66}
Published data Successfully: %s {'sm': 63, 'hum': 20, 'temp': 61}
Published data Successfully: %s {'sm': 45, 'hum': 38, 'temp': 8}
Published data Successfully: %s {'sm': 47, 'hum': 60, 'temp': 92}
Published data Successfully: %s {'sm': 12, 'hum': 57, 'temp': 28}
Published data Successfully: %s {'sm': 76, 'hum': 66, 'temp': 50}
Published data Successfully: %s {'sm': 44, 'hum': 74, 'temp': 83}
NO
Published data Successfully: %s {'sm': 65, 'hum': 94, 'temp': 14}
OFF
Published data Successfully: %s {'sm': 31, 'hum': 51, 'temp': 23}
Code
Code
Code
Code


Motor
Panal
Humidity
64
0
100
Temperature
82
0
100
Soil moisture
21
0
100
Control
MOTOR ON
MOTOR OFF


11:10
App1
Temperature : 25
Humidity : 17
Soil Moisture : 60