Project Development Phase

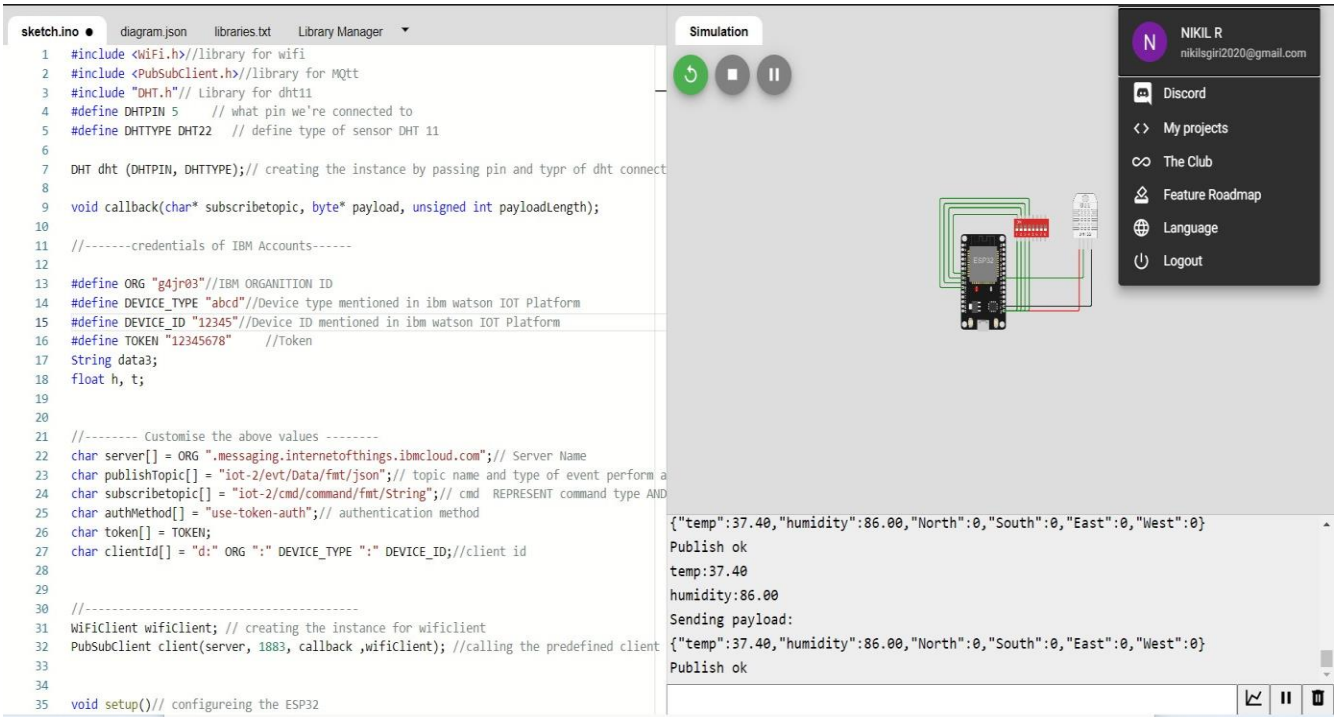
Sprint-4

Date	24 November 2022
Team ID	PNT2022TMID08255
Project Name	Signs with Smart Connectivity for Better Road Safety

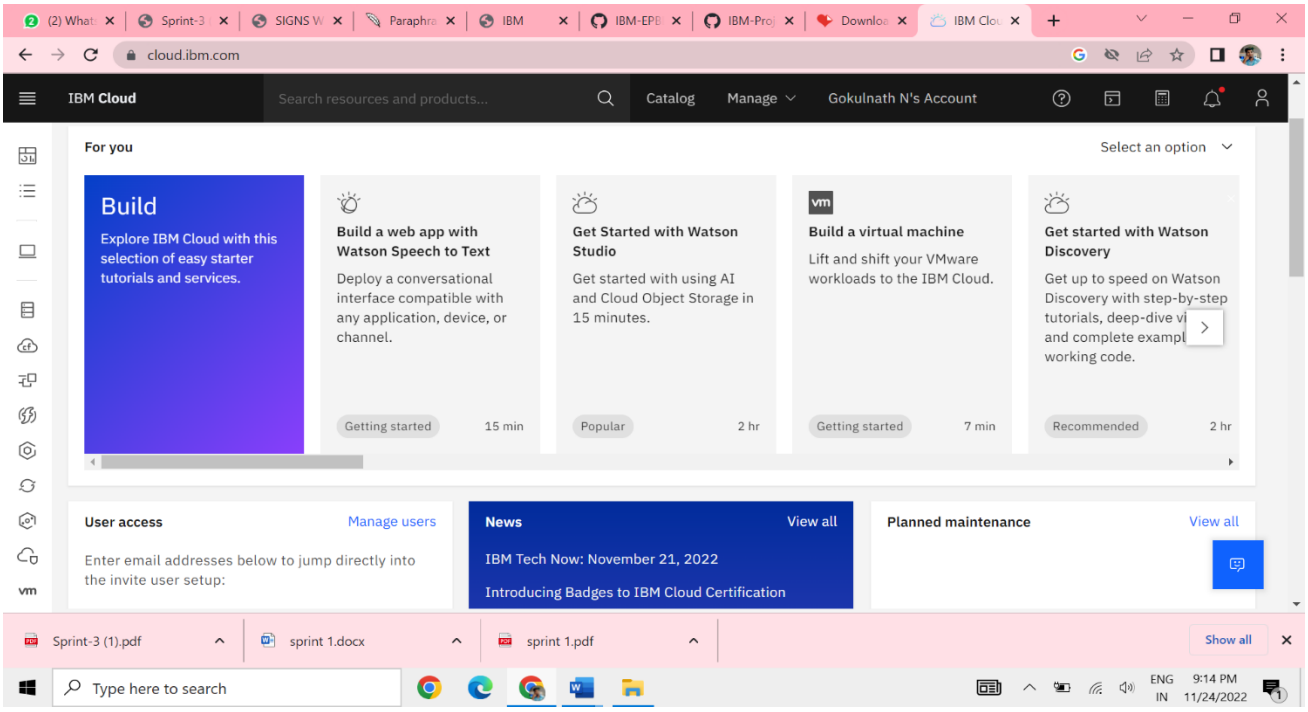
Sprint Target:

Sprint	Functional Requirements	User Story Number	Task/User Story
Sprint-4	MIT app inventor, Node red	USR-4	MIT app and Design and results

Python code in Wokwi:



IBM Cloud :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Build
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Build a web app with Watson Speech to Text
Deploy a conversational interface compatible with any application, device, or channel.
Getting started
15 min
Get Started with Watson Studio
Get started with using AI and Cloud Object Storage in 15 minutes.
Popular
2 hr
Build a virtual machine
Lift and shift your VMware workloads to the IBM Cloud.
Getting started
7 min
Get started with Watson Discovery
Get up to speed on Watson Discovery with step-by-step tutorials, deep-dive vi
and complet exampl
working code.
Recommended
2 hr
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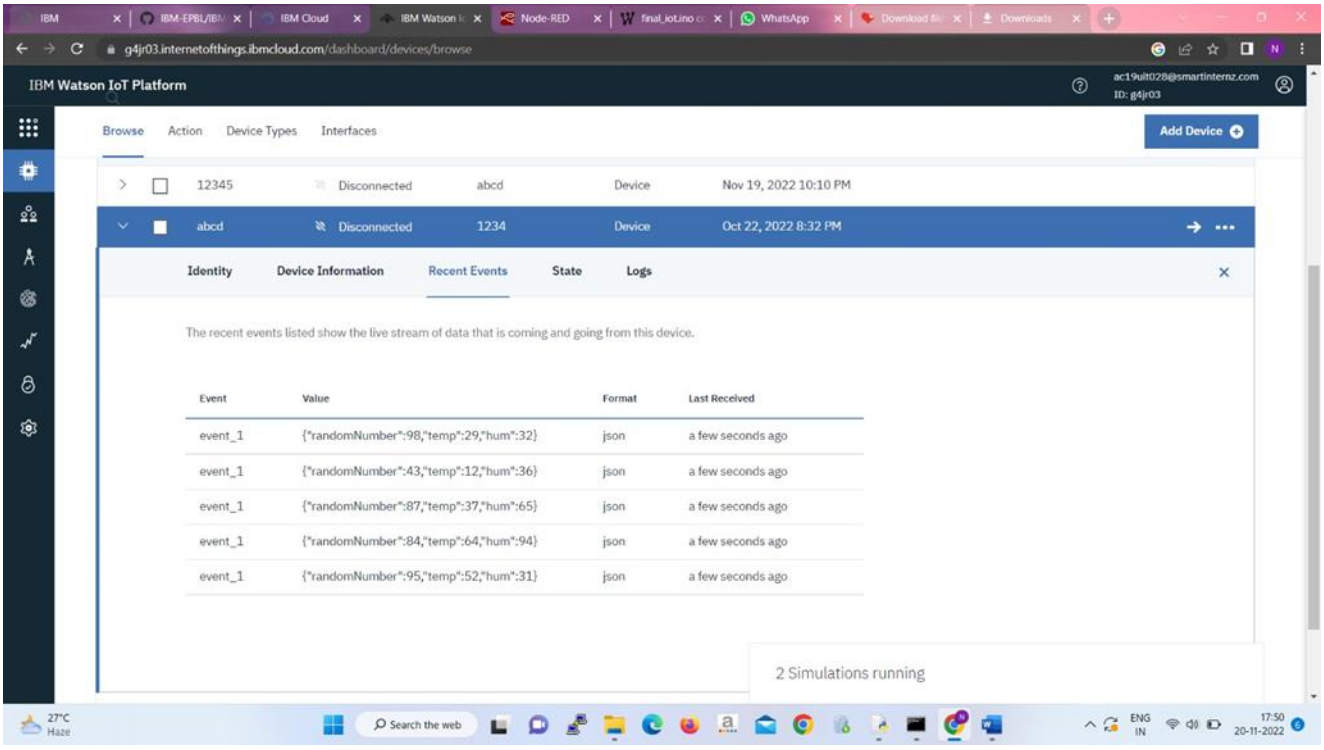
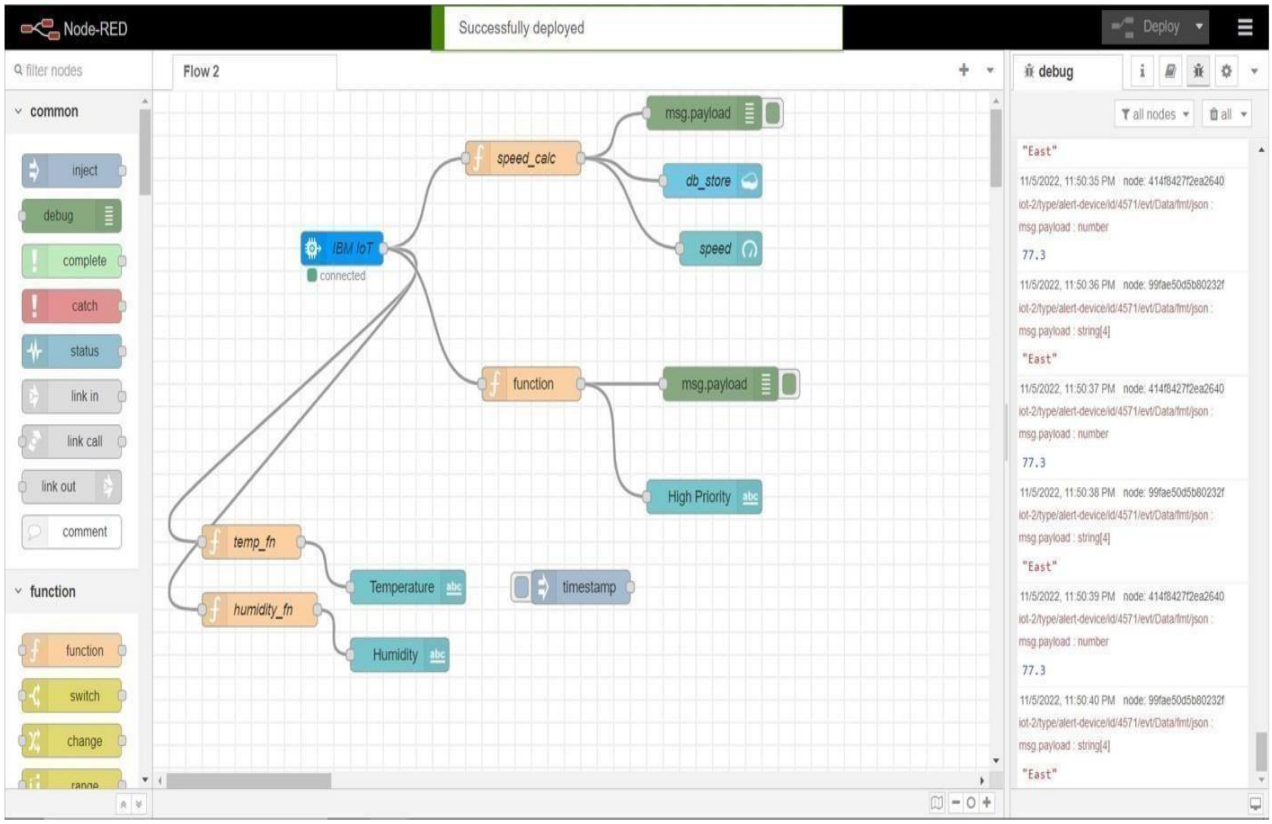
9:14 PM
11/24/2022

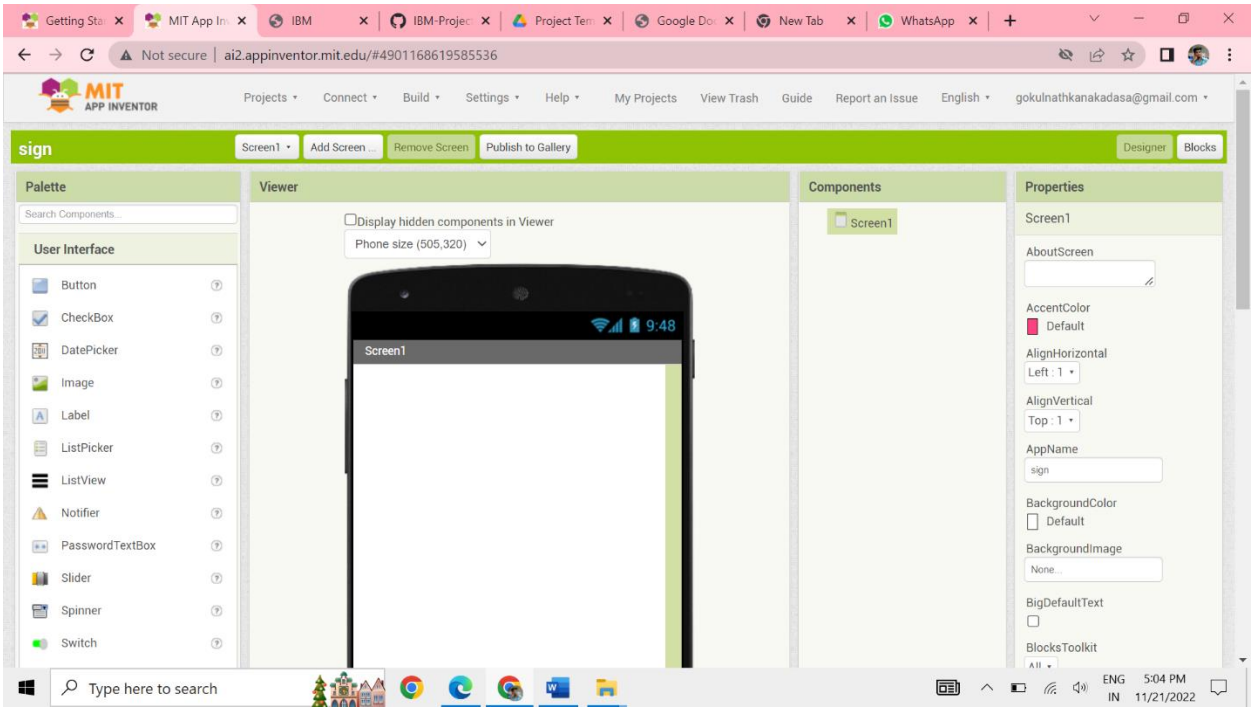
IoT Device Creation:



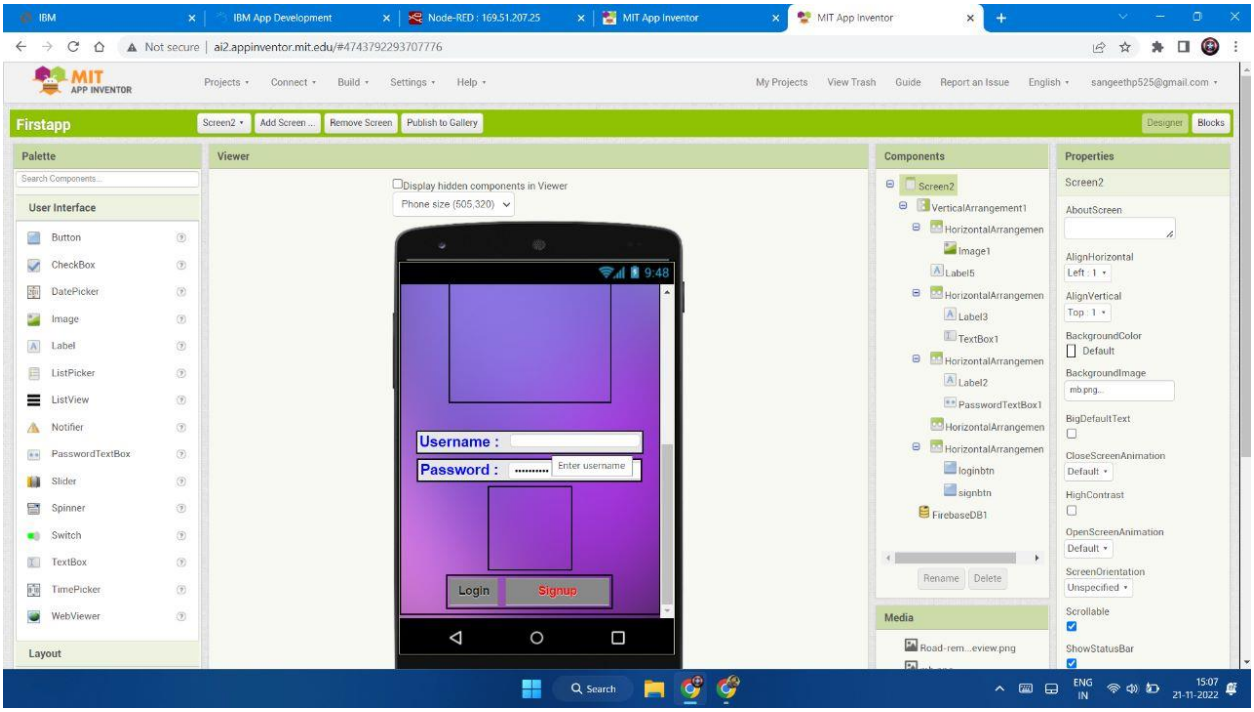
Node-Red:


Node-RED
Successfully deployed
Deploy
filter nodes
Flow 2
debug
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
range
msg.payload
speed_calc
db_store
speed
IBM IoT
connected
function
msg.payload
High Priority
temp_fn
Temperature
timestamp
humidity_fn
Humidity
all nodes
all
"East"
11/5/2022, 11:50:35 PM node: 414f8427f2ea2640
iot-2/type/alert-device/id/4571/evt/Data/fmt/json :
msg.payload : number
77.3
11/5/2022, 11:50:36 PM node: 99fae50d5b80232f
iot-2/type/alert-device/id/4571/evt/Data/fmt/json :
msg.payload : string[4]
"East"
11/5/2022, 11:50:37 PM node: 414f8427f2ea2640
iot-2/type/alert-device/id/4571/evt/Data/fmt/json :
msg.payload : number
77.3
11/5/2022, 11:50:38 PM node: 99fae50d5b80232f
iot-2/type/alert-device/id/4571/evt/Data/fmt/json :
msg.payload : string[4]
"East"
11/5/2022, 11:50:39 PM node: 414f8427f2ea2640
iot-2/type/alert-device/id/4571/evt/Data/fmt/json :
msg.payload : number
77.3
11/5/2022, 11:50:40 PM node: 99fae50d5b80232f
iot-2/type/alert-device/id/4571/evt/Data/fmt/json :
msg.payload : string[4]
"East"

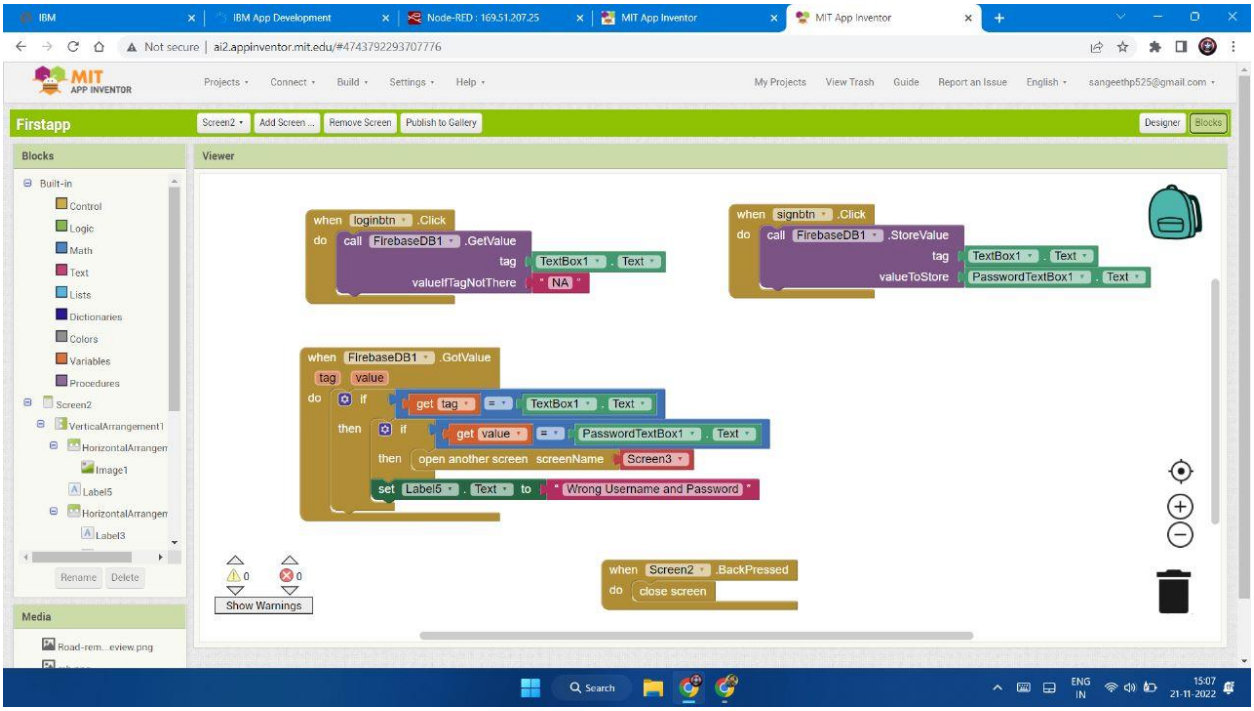
MIT App Inventor:



MIT App Inventor Working Design:



Design:



Node-Red Web UI and Out Put: