Smart Farmer-IOT Enabled Smart Farming Application

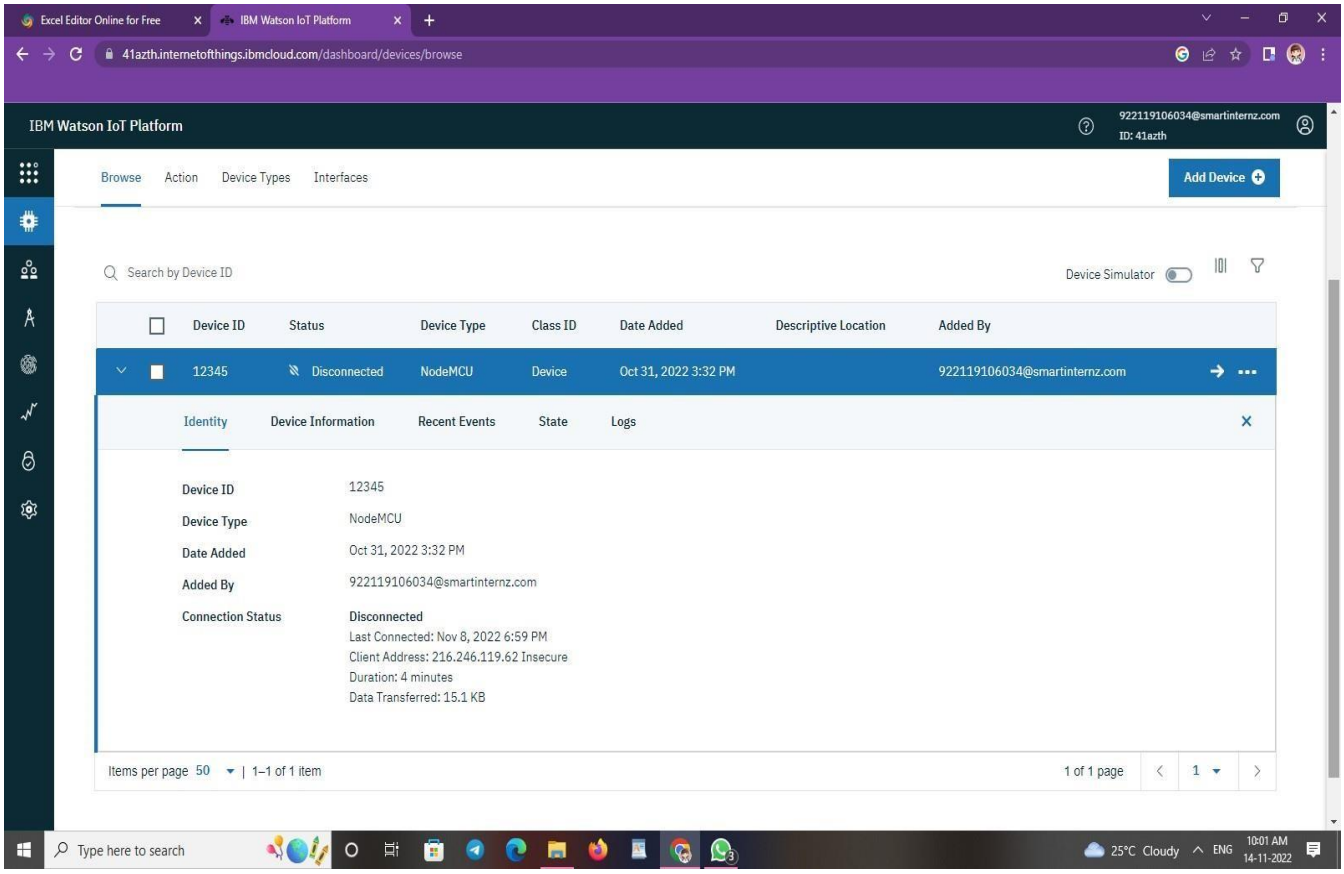
Project Development Phase

Sprint Delivery -2

Date	15 November 2022
Team ID	PNT2022TMID17315
Project Name	Smart Farmer-IOT Enabled Smart Farming Application
Leader Name	RAHUL RAJ K
Team Members Name	MOHAMED SHAKIN B PRAWIN A JYOTHI VENKATAJALAPATHI T G

Software:

1. Create device in the iot watson platform:



Browse Action Device Types Interfaces

Add Device

Ideatñy Oevice Information Recent fvents State tugs

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The recent even Is lisled show the love stream of dabs that is coming and going from this devil

avant 1	{"Temperature":75,"Humidity":19}	jean
e ent_1	{'Tempemnue":74°Humi% ty":20]	]son
exent I		a few seconds ago
	{"Temperature":43,"Humidity":43]	
event 1	{"Temperature":50,"Humidity":84}	a few seconds ago
		a few seconds ago
event_1		

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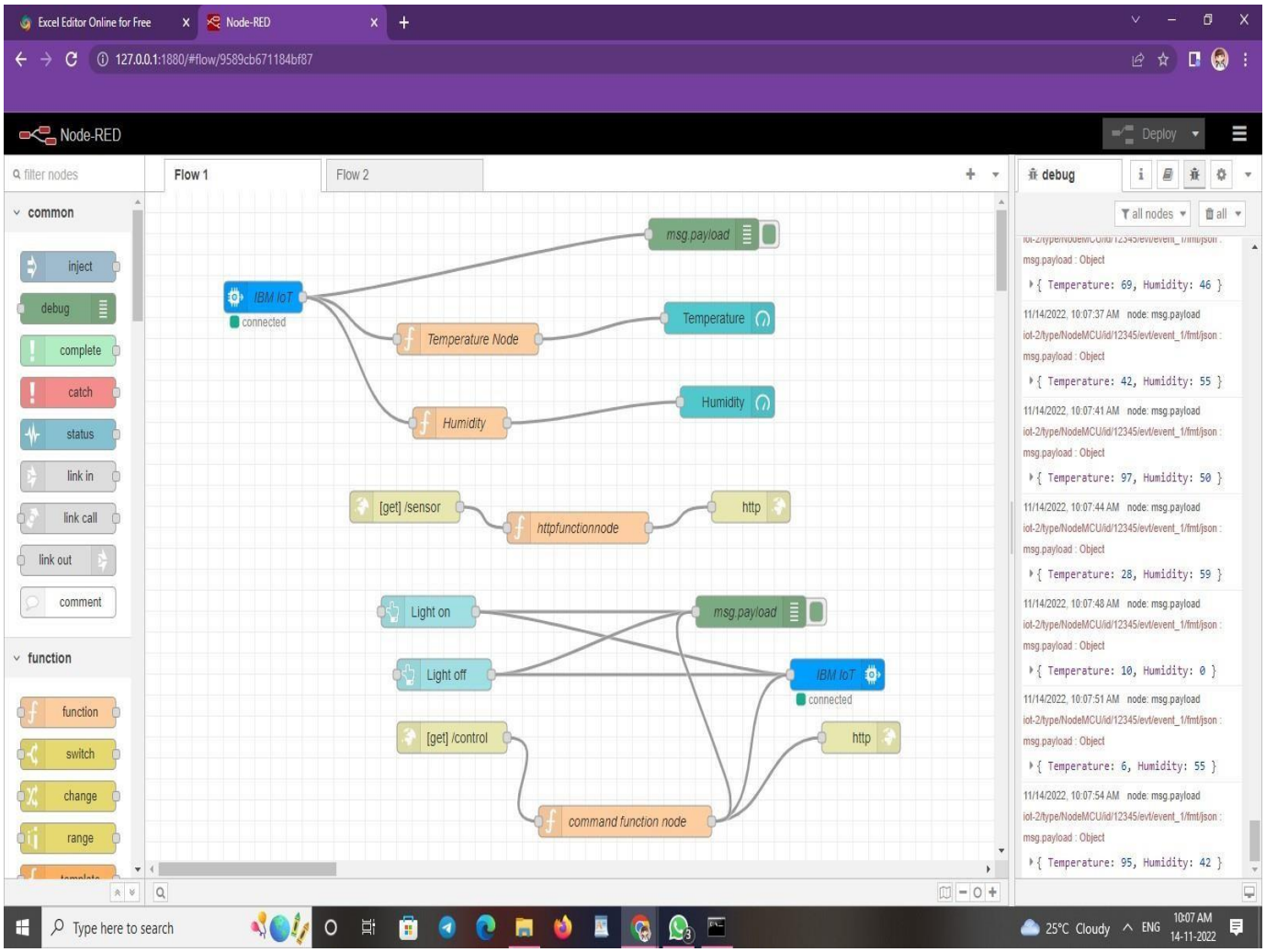
1 Simulation

2. Workflow for iot scenarios using local node red:


Excel Editor Online for Free
Node-RED
127.0.0.1:1880/#flow/9589cb671184bf87
Node-RED
Deploy
filter nodes
Flow 1
Flow 2
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
range
IBM IoT
connected
msg.payload
Temperature Node
Temperature
Humidity
Humidity
[get] /sensor
httpfunctionnode
http
Light on
msg.payload
Light off
IBM IoT
connected
[get] /control
http
command function node
debug
all nodes
all
msg.payload : Object
{ Temperature: 69, Humidity: 46 }
11/14/2022, 10:07:37 AM node: msg.payload
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : Object
{ Temperature: 42, Humidity: 55 }
11/14/2022, 10:07:41 AM node: msg.payload
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : Object
{ Temperature: 97, Humidity: 50 }
11/14/2022, 10:07:44 AM node: msg.payload
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : Object
{ Temperature: 28, Humidity: 59 }
11/14/2022, 10:07:48 AM node: msg.payload
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : Object
{ Temperature: 10, Humidity: 0 }
11/14/2022, 10:07:51 AM node: msg.payload
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : Object
{ Temperature: 6, Humidity: 55 }
11/14/2022, 10:07:54 AM node: msg.payload
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : Object
{ Temperature: 95, Humidity: 42 }
Type here to search
25°C Cloudy
ENG
10:07 AM
14-11-2022