

# Professional Readiness for Innovation, Employability and Entrepreneurship

## Smart Farmer -IoT Enabled Smart Farming Application

Team ID - PNT2022TMID15940

### TEST CASES

Untitled spreadsheet - Google Sheets

docs.google.com/spreadsheets/d/1LLWZdopaxzEISCfBo4LuMTIKqakCrb-EIPjqcW0/edit#gid=0

Untitled spreadsheet

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78% 78% \$ % .00 123 Default (Arial) 10 B I U A

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
4					Maximum marks	4 marks								
5	Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	TC for Automation(Y/N)	BUG ID	Executed By
6	IBM Watson	IOT Platform	Watson	User is able to get the temperature and humidity details		Login to URL - <a href="https://cloud.ibm.com/login">https://cloud.ibm.com/login</a> Search Internet of things in IBM cloud and create a device with ID and type	<a href="https://qzich.internethings.ibmcloud.com/dashboard/devices/browse">https://qzich.internethings.ibmcloud.com/dashboard/devices/browse</a>	Expected Result is verified and device is created	Working as expected	Pass	NIL	N	NIL	Arun Kumar, Bharadwaj
7	IBM Cloud	IOT Platform	Cloud	User is able to get the details		Search cloud.ibm.com Create an account with your email id Obtain a free account by using given code	IBM Cloud	Expected result is verified and account is created	Working as expected	Pass	NIL	N	NIL	Inbatamizhan, Naveen Kumar
8	Node Red	Functional	Cloud	User is able to get the output		Login to URL - <a href="https://cloud.ibm.com/login">https://cloud.ibm.com/login</a> Search Node red in IBM Cloud and create node-red service	<a href="http://159.122.177.232:31090/red/#flow/29cdd75a5c984525">http://159.122.177.232:31090/red/#flow/29cdd75a5c984525</a>	Temperature and humidity values should come	Working as expected	Pass	NIL	N	NIL	Arun Kumar, Naveen Kumar
9	Web UI	UI	Sensor page	User is able to get the temperature and humidity details or not		Login to URL - <a href="http://159.122.177.232:31090">http://159.122.177.232:31090</a> Deploy the setup and get the output	<a href="http://159.122.177.232:31090/ui">http://159.122.177.232:31090/ui</a>	Web UI should be available	Working as expected	Pass	NIL	N	NIL	Inbatamizhan, Bharadwaj
10	MIT App Inventor	UI	Sensor page	User is able to get the temperature and humidity details or not		Login to URL - <a href="http://ai2.appinventor.mit.edu/#6693486976696320">http://ai2.appinventor.mit.edu/#6693486976696320</a> Create a new project Design front and back end	<a href="http://ai2.appinventor.mit.edu/#6693486976696320">http://ai2.appinventor.mit.edu/#6693486976696320</a>	Applications should be available	Working as expected	Pass	NIL	N	NIL	Inbatamizhan, Bharadwaj

Sheet1

Show all

Inbox (4,114) User Acceptance IBM IBM Cloud IBM Watson Node-RED Priority - Google Priority - Google Test cases.xlsx

docs.google.com/spreadsheets/d/1GZQ8T7uagOOBfAumYqpleXul4P5q1m1/edit#gid=899532762

Test cases

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100% 100% \$ % .00 123 Default (Arial) 10 B I U A

	A	B	C	D	E	F	G	H	I	J
1					Date	03/11/22				
2					Team ID	PNT2022TMID15940				
3					Project Name	SmartFarmer - IoT enabled smart farming application				
4					Maximum marks	4 marks				
5	Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual Result	Status
6	IBM Watson	IOT Platform	Watson	User is able to get the temperature and humidity details		Login to URL - <a href="https://cloud.ibm.com/login">https://cloud.ibm.com/login</a> Search Internet of things in IBM cloud and create a device with ID and type	<a href="https://qzich.internethings.ibmcloud.com/dashboard/devices/browse">https://qzich.internethings.ibmcloud.com/dashboard/devices/browse</a>	Expected Result is verified and device is created	Working as expected	Pass
7	IBM Cloud	IOT Platform	Cloud	User is able to get the details		Search cloud.ibm.com Create an account with your email id Obtain a free account by using given code	IBM Cloud	Expected result is verified and account is created	Working as expected	Pass
8	Node Red	Functional	Cloud	User is able to get the output		Login to URL - <a href="https://cloud.ibm.com/login">https://cloud.ibm.com/login</a> Search Node red in IBM Cloud and create node-red service	<a href="http://159.122.177.232:31090/red/#flow/29cdd75a5c984525">http://159.122.177.232:31090/red/#flow/29cdd75a5c984525</a>	Temperature and humidity values should come	Working as expected	Pass
9	Web UI	UI	Sensor page	User is able to get the temperature and humidity details or not		Login to URL - <a href="http://159.122.177.232:31090">http://159.122.177.232:31090</a> Deploy the setup and get the output	<a href="http://159.122.177.232:31090/ui">http://159.122.177.232:31090/ui</a>	Web UI should be available	Working as expected	Pass
10	MIT App Inventor	UI	Sensor page	User is able to get the temperature and humidity details or not		Login to URL - <a href="http://ai2.appinventor.mit.edu/#6693486976696320">http://ai2.appinventor.mit.edu/#6693486976696320</a> Create a new project Design front and back end	<a href="http://ai2.appinventor.mit.edu/#6693486976696320">http://ai2.appinventor.mit.edu/#6693486976696320</a>	Applications should be available	Working as expected	Pass

Sheet1

Explore

Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	TC for Automation (Y/N)	BUG ID	Executed By
03/11/22								
PNT2022TMD15940								
SmartFarmer - lot enabled smart farming application								
4 marks								
Login to URL - https://cloud.ibm.com/login Search internet of things in IBM cloud and create a device with ID and type	https://qzich.internetofthings.ibmcloud.com/dashboard/devices/browse	Expected Result is verified and device is created	Working as expected	Pass	NIL	N	NIL	Arun kumar, Bharadwajaa
Search cloud.ibm.com Create an account with your email id Obtain a free account by using given code	IBM Cloud	Expected result is verified and account is created	Working as expected	Pass	NIL	N	NIL	Inbatamizhan, Naveen Kumar
Login to URL - https://cloud.ibm.com/login Search Node red in IBM Cloud and create node-red service	http://159.122.177.232:31090/red/#flow/29cd375a5c984525	Temperature and humidity values should come	Working as expected	Pass	NIL	N	NIL	Arun kumar, Naveen Kumar
Login to URL - http://159.122.177.232:31090 Deploy the setup and get the output	http://159.122.177.232:31090/ui	Web UI should be available	Working as expected	Pass	NIL	N	NIL	Inbatamizhan, Bharadwajaa
Login to URL - http://a2.appinventor.mit.edu/#69348697669320 Create a new project Design front and back end	http://a2.appinventor.mit.edu/#669348697669320	Applications should be available	Working as expected	Pass	NIL	N	NIL	Inbatamizhan, Bharadwajaa

## TEST CASE EXCEL SHEET

[https://docs.google.com/spreadsheets/d/1GZQt8T7uxgOObfAumYqpleXui4P5q1mT/edit?usp=share\\_link&ouid=113417365919541533386&rtpof=true&sd=true](https://docs.google.com/spreadsheets/d/1GZQt8T7uxgOObfAumYqpleXui4P5q1mT/edit?usp=share_link&ouid=113417365919541533386&rtpof=true&sd=true)

## TEST SCENARIOS

- To verify user is able to get details in Web UI
- To verify user is able to get details in MIT Inventor App