Date	19 November 2022	
Team ID	PNT2022TMID42737	
Project Name	**Project** Smart Farmer - IoT Enabled Smart Farming Application	
Maximum Marks	4 marks	

Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	TC for Automation (Y/N)	BUG ID	Executed By
IBM CLOUD _TC_001	Functional	IBM Cloud Service	Verify the login cloud services	Software IBM Cloud Service	1. Login in cloud.ibm.com 2. Then apply code the and Login 3. Have been login in to the IBM cloud	email: 711619104004@smartinternz.com Password : Ashok451	Successfully created the IBM account	Working as expected	Pass	YES	NIL	Ashokkumar.m Ashwin.s Manikandan.S Ajay.k
IBM Watson IoT Platform_TC_OO2	Functional	IBM Cloud Service	Verify create a device in the IBM Watson IoT platform and get the device credentials.		1. In IBM Cloud Service go to catalog 2. create and launch the IBM Watson IoT Platform 3.Login the Platform by clicking organization ID 4.Create a device & configure the device type and ID 5.Generate the API Key	Create a device & integrate with code		Working as expected	Pass	YES	NIL	Ashokkumar.m Ashwin.s Manikandan.S Ajay.k
PythonCode_TC_OO3	Code	Python 3.9	Verify wheather the python code is without error by running it	Software	1. Download the python version3.7 2. Type the program and save it with the extention .py 3. Verify it by run the code and decode the error by completion	import json import wiotp.sdk.device import time import random myConfig = { "identity":{		Working as expected	Pass	YES	NIL	Ashokkumar.m Ashwin.s Manikandan.S Ajay.k
Node_Red_TC_004	Non-Functional	IBM Cloud Service	Verify to create a node-red services	IBM cloud services	1. In IBM cloud go to catalog 2. To create a Node-Red app 3. Deploy app 4. Visit the app URL 5. In Node-Red we need to connect we need to connect with IBM watson	We use node red application to check the soil moisture level.	Successfully created the node-red	Working as expected	Pass	NO	NIL	Ashokkumar.m Ashwin.s Manikandan.S Ajay.k
CloundantDB_TC_OO5	Dataset	IBM Cloud Service	Verify the events is stored in the database	IBM Cloud Service	1. Go to IBM Cloud Services 2. In resources list, click on cloudant 3.In database, create a document to	Document: sensor	Successfully created the Database	Working as expected	Pass	NO	NIL	Ashokkumar.m Ashwin.s Manikandan.S Ajay.k
Web UI_TC_006	Functional	Node-Red Service	To create a web UI to interact with user	Node-Red Service	1. Go to Dashboard 2. Open the URL link UI dashboard 3. and displays the soil moisture, temperature, humidity	Shows the level of soil moisture, humidity, temperature.	And as expected it displays the soil temperature, moisture, humidity.	Working as expected	Pass	NO	NIL	Ashokkumar.m Ashwin.s Manikandan.S Ajay.k

FastSMS Service_TC_OO7	Functional	Fast2SMS Service	To send SMS to the particular child's guardian	Software	1. Login to Fast2SMS Service 2. GO to Dev API and select quick API 3. will send SMS using Flash SMS option to the registered number	Show the pop up SMS	Alert: Less soil moisture detected.	Working as expected	Pass	NO	NIL	1. SUDHARSHAN S 2.SUDHARSHAN B 3.SUSHIL KUMAR R 4.VINOTH N