

					Date	Pt-Nov-22							
					Team ID	CNT2022TMDI47693							
					Project Name	Project - IoT Based Safety Gadget For Child Safety Monitoring & Notification							
					Maximum Marks	4 marks							
Sprint	Test case ID	Feature Type	Component	Test Scenario	Pre-Requsite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	TC for Automation(Y/N)	BUG ID	Executed By
Sprint-1	PythonCode_TC_OO1	Code	Python3.7.4	Verify python code is run without error	Software	1.Download the python version3.7.4 2.Type the program and save it 3.Verify it is run continuously	import json import wiotp.sdk.device import time myConfig = { "identity": "1" "clientId": "4300c"	2022-11-16 15:17:30.513 wiotp.sdk.device.Client.DeviceClient INFO: Connected successfully: 6-4399e-NODE-1591 Data published to IBM IoT platform: { "name": "Sowmiya", "lat": 9.28, "lon": 76.5488783}	Working as expected	Pass	YES	NIL	Janani
Sprint-2	IBMCLOUD_TC_OO2	Functional	IBM Cloud Services	Verify the login the Cloud Services	IBM Cloud Services	1.Login in cloud.ibm.com 2.Obtain promocode in ICT	email id: saskumar.pn@nitiedm@gmail.com	Successfully created the IBM account	Working as expected	Pass	YES	NIL	Keerthana
Sprint-2	IBM Watson IoT Platform_TC_OO3	Functional	IBM Cloud Services	Verify create a device in the IBM Watson IoT platform and get the device credentials.	IBM Cloud Services	1.In IBM Cloud Service go to catalog 2.To create an Internet of things platform 3.Launch the IBM Watson IoT Platform 4.Login the Platform by clicking organization ID 5.Create a device & configure the	Create a device & integrate with code	("name":"Sowmiya","lat":9.28,"lon":76.5488783)	Working as expected	Pass	YES	NIL	Niveetha
Sprint-2	Board_TC_OO4	Non-Functional	IBM Cloud Services	Verify the events is shown in the card	IBM Cloud Services	1.Go to IBM Watson IoT Platform 2.Create the board 3.Create name board 4.Create latitude board	BOARD: LOCATION	Test: Sowmiya Gauge: Latitude Gauge: Longitude	Working as expected	Pass	YES	NIL	Sowmiya
Sprint-2	CloudantDB_TC_OO4	Dataset	IBM Cloud Services	Verify the events is stored in the database	IBM Cloud Services	1.Go to IBM Cloud Services 2.In resources list, click on cloudant 3.In database, create a document to	Document: tracker	Successfully created the Database	Working as expected	Pass	NO	NIL	Niveetha
Sprint-3	NodeRedService_TC_OO5	Functional	IBM Cloud Services	Verify to create a node -red services	IBM Cloud Services	1.In IBM Cloud Service go to catalog 2.To create a NODE-RED app 3. Deploy the app 4.View the app URL 5.To nodecloud, we need to connect	Using grafence node, we create in form of circle to check whether the child in that area or not		Working as expected	Pass	NIL	NIL	Keerthana
Sprint-3	WebUI_TC_OO6	Functional	Node-Red Service	To create a web UI to interact with user	Node-Red Service	1.Go to dashboard 2.Open a link UI dashboard 5.Display the location 6.pop up SMS if person not in area	Show the pop up SMS in UI		Working as expected	Pass	NO	NIL	Janani
Sprint-4	FastSMS Service_TC_OO7	Functional	Fast2SMS Service	To send SMS to the particular child's guardian	Software	1.Login Fast2SMS Service 2.GO to Dev API 3.Sending SMS using HTTP Package	Show the pop up SMS	Alert: Sowmiya is not in that area	Working as expected	Pass	NIL	NIL	Sowmiya
Sprint-4	MobileApp_TC_OO8	Functional	MIT APP Inventor	Verify user is able to log into app with Valid credentials	Software	1.Login MIT APP Inventor 2.Design Frontend & Backend	Username:sowmiya Password:****	User should navigate to next screen	Working as expected	Pass	YES	NIL	Niveetha
Sprint-4	MobileApp_TC_OO9	Functional	MIT APP Inventor	Verify it show the location in app	Software	1.Login MIT APP Inventor 2.Design Frontend & Backend 3.Connect to node-red	Name: Sowmiya Latitude: ***** Longitude: *****	The App shows the location value	Working as expected	Pass	NO	NIL	Sowmiya

Test Scenarios

- 1 Verify python code is run without error
- 2 Verify the login the Cloud Services
- 3 Verify create a device in the IBM Watson IoT platform and get the device credentials.
- 4 Verify the events is shown in the card
- 5 Verify the events is stored in the database
- 6 Verify to create a node -red services
- 7 To create a web UI to interact with user
- 8 To send SMS to the particular child's guardian
- 9 Verify user is able to log into app with Valid credentials
- 10 Verify it show the location in app