				Date	16 November 2022							
				Team ID	PNT2022TMID34328							
				Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring & Notification							
				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	1. Login in using cloud.ibm.com 2. Obtain promocode in ICT 3. Then apply code the and Login 4. The page will be directed to the IBM cloud account	email:960519106012@smartinterz.com Password : PNTIBMFb14	Successfully created the IBM account	Working as expected	Pass	YES	NIL	1.ALFANIC 2.ABILASH 3. AKASH 4. ALANRUFUS
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.	IBM Cloud Service	1.In IBM Cloud Service go to catalog 2.Create and launch the IBM Watson IoT Platform 3.Login to 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	{'name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5488783}	Working as expected	Pass	YES	NIL	1.ALFANIC 2.ABILASH 3.AKASH 4.ALANRUFUS
PythonCode_TC_OO3	Code	Python 3.9	Verify wheather the python code is without error by running it	Software	1.Download the python version3.9 2.Type the program and save it with the extention .py 3.Verify it by compiling the code	import json import wiotp.sdk.device import time import random myConfig = { "identity":{ "orgId": "4o1qxb",	022-11-18 12:25:57,235 wiotp.sdk.device.client. DeviceClient INFO Connected successfully: d:4o1qxb: TestDeviceType:12345	Working as expected	Pass	YES	NIL	1.ALFANIC 2.ABILASH 3.AKASH 4.ALANRUFUS
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. Click onto Deploy App 4. Visit the app URL 5. We need to connect the Node-Red with the IBM watson	We use a geofence node to form a cirlce shaped range whether the child is present in the circle or not.	Successfully created the node-red	Working as expected	Pass	NO	NIL	1.ALFANIC 2.ABILASH 3.AKASH 4.ALANRUFUS
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 onto cloudant 3.Click onto the launch dashbord to redirect to the cloud DB 4.Click onto create DB.	Document: tracker	Successfully created the Database	Working as expected	Pass	NO	NIL	1.ALFANIC 2.ABILASH 3.AKASH 4.ALANRUFUS
Web UI_TC_006	Functional	Node-Red Service	To create a web UI to interact with user	Node-Red Service	1. Go to Node-Red Dashboard 2. Make the necessary connection and deploy it. 3. Copy the URL and paste it in the new tab with "/ui" extention . 4. Display the child and geofence location.	Shows the locaion of parent and child	And as expected it displays the Position of the child and parent	Working as expected	Pass	NO	NIL	1.ALFANIC 2.ABILASH 3.AKASH 4.ALANRUFUS
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.SMS will be sent using Flash SMS option to the registered number	Show the pop up SMS	Alert: The person is not in the particular geofence area	Working as expected	Pass	NO	NIL	1.ALFANIC 2.ABILASH 3.AKASH 4.ALANRUFUS

Test Scenarios

1.) Verify the login cloud services

2.)Verify create a device in the IBM Watson IoT platform and get the device credentials.

3.) Verify wheather the python code is without error by running it

4.) Verify to create a node-red services

5.) Verify the events is stored in the database

6.) To create a web UI to interact with user

7.) To send SMS to the particular child's guardian