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	SI EMAIL 92172019104067@smartinternz.com SI PASSWORD: PNTIBMWi	Successfully created the IBM account	Workingas expected	Pass	YES	NIL	1.JYOTI PRAKASH M.S. 2.KABIL DEVM. 3.KISOR KUMAR S.S. 4.LAKSHMANAN M.
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 ID5.Generate the API Key	Create a device & integrate with code	{'name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5488783}	Workingas expected	Pass	YES	NIL	1.JYOTI PRAKASH M.S. 2.KABIL DEVM. 3.KISOR KUMAR S.S. 4.LAKSHMANAN M.
PythonCode_TC_OO3	Code	Python 3.9	Verify whether the python code is with outerror 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	Workingas expected	Pass	YES	NIL	1.JYOTI PRAKASH M.S. 2.KABIL DEVM. 3.KISOR KUMAR S.S. 4.LAKSHMANAN M.
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 presentin the circle or not.	Successfully created the node-red	Workingas expected	Pass	NO	NIL	1.JYOTI PRAKASH M.S. 2.KABIL DEVM. 3.KISOR KUMAR S.S. 4.LAKSHMANAN M.
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 redirectto the cloud DB4.Click onto create DB.	Document: tracker	Successfully created the Database	Workingas expected	Pass	NO	NIL	1.JYOTI PRAKASH M.S. 2.KABIL DEVM. 3.KISOR KUMAR S.S. 4.LAKSHMANAN M.
Web UI_TC_006	Functional	Node-Red Services	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 parentand child	And as expectedit displays the Position of the child and parent	Workingas expected	Pass	NO	NIL	1.JYOTI PRAKASH M.S. 2.KABIL DEVM. 3.KISOR KUMAR S.S. 4.LAKSHMANAN M.
FastSMS Service_TC_OO7	Functional	Fast2 SMS Services	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 personis notin the particular geofence area	Workingas expected	Pass	NO	NIL	1.JYOTI PRAKASH M.S. 2.KABIL DEVM. 3.KISOR KUMAR S.S. 4.LAKSHMANAN M.

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 whether 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