				Date	16 November 2022	Team ID: PNT2022TM	ID17225					
				Team ID	PNT2022TMID17225	Team 15:111120221W	1017223					
				Project Name	Monitoring & Notification							
				Maximum Marks	4 marks			Actual		TC for		
Test case ID	Feature	Componen	Test Scenario	Pre-Requisite	Steps	Test Data	Expected	Result	Status	Automati	$\mathbf{B}\mathbf{U}$	Executed By
	Type	t			То		Result			on (Y/N)	G ID	
					Execut						ш	
		IBM			Login in using cloud.ibm.com     Obtain promocode in ICT     Then apply code the and Login	SI EMAIL 921720191040	Successfully created the IBM	Workingas				1.JYOTI PRAKASH M.S. 2.KABIL DEVM.
IBM CLOUD _TC_001	Functional	Cloud	Verify the login cloud	Software	4. The page will be directed to the IBM cloud account	67@smartinter nz.com	account	expect	Pass	Y	NIL	3.KISOR KUMAR
		Service	services			SI		ed		E S		S.S. 4.LAKSHMANAN
						PASSWORD:						M.
						PNTIBMWi						
			Marife and a decision		In IBM Cloud Service go to catalog		{'name':					1.JYOTI PRAKASH
		IBM	Verify create a device in the IBM Watson IoT		2. Create and launch the IBM Watson	Create a device &	'Smartbridge', 'lat': 17.4219272,	Workingas				M.S. 2.KABIL DEVM.
IBM Watson IoT	Functional	Cloud	platform and get the	IBM	IoT Platform 3.Login to the Platform	integratewith	lon': 78.5488783}	expect ed	Pass	Y	NIL	3.KISOR KUMAR
Platform_TC_OO2		Service	device credentials.	Cloud	by clicking organization ID 4.Create a device & configure the device type	code	76.3466763}			Е		S.S. 4.LAKSHMANAN
				Service	and					S		M.
					ID5.Generate the API Key							
					Download the python version 3.9     Type the program and save it with the	import json import	022-11-18 12:25:57,235					1.JYOTI PRAKASH M.S.
			Verify whether the		extention .py 3. Verify it by	wiotp.sdk.device	wiotp.sdk.device.	Workingas				2.KABIL DEVM.
PythonCode_TC_OO3	Code	Python 3.9	python code is with	Software	compilingthe code	import time	client.	expect ed	Pass	Y	NIL	3.KISOR KUMAR S.S.
			outerror by running			import	DeviceClient INFO Connected	expect ed		E S		4.LAKSHMANAN
			ıt			random	successfully:			S		M.
						myConfig	d:4o1qxb:					
						"identity":{     "orgId":"401qxb",	TestDeviceType:					
						"orgId": "4o1qxb",	12345					
					In IBM cloud go to catalog     To create a Node-Red app	We use a geofence	Successfully					1.JYOTI PRAKASH M.S.
Node_Red_TC_004	Non-	IBM	Verify to create a	IBM Cloud	3. Click onto Deploy App 4. Visit the app URL	node to form a cirlce	created thenode-	Workingas	Pass	NO	NIL	2.KABIL DEVM.
	Functional	Cloud Service	node-red services		5. We need to connect the Node-Red with the IBM watson	shaped range whether the child is	red	expect ed				3.KISOR KUMAR S.S.
		Service	SCIVICES	services		presentin the circle						4.LAKSHMANAN
						or not.						M.
					Go to IBM Cloud Services     In resources list, click onto cloudant	Document: tracker	Successfully					1.JYOTI PRAKASH M.S.
a		IBM	Verify the events is stored	TDM CI I	3. Click onto the launch dashbord to		created the	Workingas				2.KABIL DEVM.
CloundantDB_TC_OO5	Dataset	Cloud Service	in the database	IBM Cloud Service	redirectto the cloud DB4.Click onto		Database	expected	Pass	NO	NIĹ	3.KISOR KUMAR S.S.
		service		Service	create DB.							4.LAKSHMANAN
					Go to Node-Red Dashboard	Shows the locaion of	And as expectedit		-			M. 1.JYOTI PRAKASH
Web UI TC 006	Functional	Node-	To create a web UI to	Node-	Make the necessary connection and deploy it.     Copy the URL and paste it in the new tab with "/ui"	parentand child	displays the	Workingas	Pass	NO	NII	M.S. 2.KABIL DEVM.
.100 01_10_000	2 unctional	Red	interact with	Red	3. Copy the URL and paste it in the new tab with /uli extention .  4. Display the child and geofence location.		Position ofthe	expected	1 433	110	1112	2.KABIL DEVM. 3.KISOR KUMAR
		Services	user	Service	<ol> <li>Display the child and geofence location.</li> </ol>		child and parent	·				S.S.
												4.LAKSHMANAN M.
					Login to Fast2SMS Service     GO to Dev API and select quick API	Show the pop up SMS	Alert: The personis					1.JYOTI PRAKASH M.S.
FastSMS Service TC OO7	Functional	Fast2	To send SMS to the	Software	<ol> <li>SMS will be sent using Flash SMS option to the registered</li> </ol>		notin the particular	Workingas	Pass	NO	NII	M.S. 2.KABIL DEVM.
Table Delvice_Te_007	2 unctional	SMS	particular child's	Software	number		geofence area	expect	1 435	110	. 112	3.KISOR KUMAR
1		Services	guardian					ed				S.S. 4.LAKSHMANAN
•						1	1	l		1		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