				Date	19-Nov-22					
				Team ID	PNT2022TMID35489					
				Project Name	Gas Leakage Monitoring and Alerting System for Industries					
				Maximum Marks	4 marks					
Test case ID	**Feature Type**	**Component**	**Test Scenario**	**Pre-Requisite**	**Steps To Execute**	**Test Data**	**Expected Result**	**Actual Result**	**Status**	**Executed By**
TC_OO1	Hardware	Tinkercad	Detect the gas level and alert through buzzer.		1.Open Tinkercad 2.Design the circuit. 3.Simulate the circuit.	https://www.tinkercad.com/things/i142DB6zDXB-frantic-maimu/editel	Buzzer will produce sound and LED glows on	Working as expected	Pass	M.Pon Ajiritha,M.Subarna
TC_OO2	Hardware	Wokwi	Detect the temperature and humidity in the environment		1.Open Wokwi 2.Design the circuit. 3.Simulate the circuit.	https://wokwi.com/projects/348582489078366803	Detect the temperature and humidity in the environment and send data to IBM Cloud.	Working as expected	Pass	M.Saranya,D.Sanghavai Bhuvaneswari
TC_OO3	Software	IBM Cloud	Receives the temperature and humidity from Wokwi and sends to Node-Red	IBM Watson Account	1.Open IBM Cloud 2.Go to IBM Watson IOT Platform 3.Create a device and note down organisation and device details. 4.Go to Recent events.	https://d4fpcb.internetofthings.ibmcloud.com/dashboard/devices/browse	Temperature and Humidity results are viewed in Recent events.	Working as expected	Pass	M.Subarna
TC_OO4	Software	NODE Red	Receives the temperature and humidity from IBM Cloud	NODE Red	1.Open Node-Red 2.Create the schematic in the workspace. 3.Give necessary details to connect to IBM Cloud 4.Deploy the schematic. 5.View the dashboard.	https://node-red-vtvet-2022-11-12.au-syd.mybluemix.net/red/#flow/3b182f9eed4c27d5 https://node-red-vtvet-2022-11-12.au-syd.mybluemix.net/sensor	Temperature and Humidity results are viewed in information tab and Website.Temperature and Humidity variations are seen in the form of line chart in dashboard.	Working as expected	Pass	M.Pon Ajiritha
TC_OO5	Software	MIT App Inventor	Create a Mobile Application and receive temperature and humidity parameter from Node-Red	MIT App Inventor,MIT AI2 Companion	1.Open MIT App Inventor 2.Design your app in the Designer side(Front-End) 3.For Back-end,go to Blocks. 4.Go to Build to get thr barcode for Mobile App 5.Scan the barcode to get the App installed in your mobile.	http://ai2.appinventor.mit.edu/b/1ww4f	User can register and sign in to the App and view the parameters in their place.	Working as expected	Pass	M.Saranya,M.Subarna
TC_OO6	Functional	Firebase	Collect the database of the user logging in to the Mobile Application	Firebase Account	1.Open Firebase 2.Create a Real time Database 3.Changes the rules to true in read and write and publish it. 4.Collect database of users logging in.	https://registration-ea121-default-rtdb.firebaseio.com/	Collection of database of users	Working as expected	Pass	D.Sanghavai Bhuvaneswari