

Test Cases Report

UAT Execution & Report Submission

Date	24 November 2022
Team ID	PNT2022TMID18250
Project Name	Gas Leakage Monitoring and Alerting System for Industries
Maximum Marks	4 Marks

1. Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issues of the Gas Leakage Monitoring & Alerting System for Industries at the time of the release to User Acceptance Testing (UAT).

2. Defect Analysis

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
Defective components	2	0	0	0	2
Improper circuit design	0	0	1	0	1
Include proper libraries and compilation of Arduino IDE	0	3	0	0	3
Poor internet connectivity	0	0	1	1	2
Installation of app	3	0	0	0	3
Sign up and login issues	3	0	0	0	3
SMS Alert delay	0	0	0	1	1
Total	8	3	2	2	15
Bugs Fixed	8	3	2	0	13
Not fixed	0	0	0	2	2

3. Test Case Analysis

This report shows the number of test cases that have passed, failed, and untested.

Section	Total Cases	Not Tested	Fail	Pass
IoT Device	3	0	0	3
Cloud Service (IBM Watson IoT platform)	3	1	0	2
Login Credentials Storage (Cloudant DB)	10	1	4	5
Sensor data storage (Cloudant DB)	1	0	0	1
Web UI	5	0	0	5
SMS Alert	1	0	0	1
Mobile App (Login & New User Registration)	4	0	1	3
Mobile App (Sensor data and Toxicity Level)	3	0	0	3