# Project Design Phase-2

**Solution Requirements (Functional & Non- functional)**

|  |  |
| --- | --- |
| Date | 17 October 2022 |
| Team Members | Hari prasad, Ramya, Suhita, Sureka |
| Project Name | Gas Leakage Monitoring and Alerting System |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form Online Payment for the service |
| FR-2 | User Access | Access the details using web browser Access the details using mobile application |
| FR-3 | User alert | Gets alert as an SMS message  Gets alert alarm in the working area. |

# Non-Functional Requirements:

Following are the non-functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **NFR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | Usability | The device must be usable by the customer anywhere |
| NFR-2 | Security | Data from the sensors are stored securely and away from other data |
| NFR-3 | Reliability | Data can be retrieved anytime and no data is discarded without customer knowledge |
| NFR-4 | Performance | No performance delay in case of large number of data or more parameters |
| NFR-5 | Availability | The device doesn’t fail even under harsh conditions. Device continues to send parameters, even after an alert situation. |
| NFR-6 | Scalability | Device must be capable of measuring conditions even in a larger industry |