

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	software requirements	python IDLE
FR-2	Hardware requirements	IoT device
FR-3	system requirements	RAM-minimum 4GB processor-min. configuration OS-windows/Linux/MAC
FR-4	cloud service	IBM watson IoT platform, Node-RED, web UI, cloudant DB

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It can detect leakage at homes and industries
NFR-2	Security	It is a secure device. it sends the notification to mobile.
NFR-3	Reliability	It is a reliable device. It gives the correct measurements.
NFR-4	Performance	It ensure the safety of the people in the industries
NFR-5	Scalability	It measure the harmful gases in the industries. Most of the measurements are accurate.