

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

Date	15 October 2022
Team ID	PNT2022TMID10904
Project Name	Efficient Water Quality Analysis and Prediction Using Machine Learning
Maximum Marks	4 Marks

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 Gmail and Form
FR-2	User Confirmation	Confirmation via OTP
FR-3	User Problem	Efficient water quality analysis and prediction with the list of parameters
FR-4	Solution by Agent	Issue is solved by agent via email chats
FR-5	Default solution	Frequent solution to the problem is displayed

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User friendly interface to provide the inputs
NFR-2	Security	It is secured as each process is verified by using mail
NFR-3	Reliability	Analysis can be used for various purposes
NFR-4	Performance	The analysis is always accurate to the mark
NFR-5	Availability	Analysis can be made at any time in need
NFR-6	Scalability	It is highly scalable due its data backup maintained.