

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

Date	03 October 2022
Team ID	PNT2022TMID44
Project Name	Project – Exploratory analysis of rainfall in India for agriculture
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	Check rainfall	The rainfall prediction could be estimated by giving inputs as months of the year and area to be calculated.
FR-2	Awareness on soil erosion	The soil erosion can be detected earlier and can be used for farmers to cultivate crops.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	People with every sector is benefited and more probably agriculture sector is benefitted.
NFR-2	Security	The user security is enhanced and data is not leaked.
NFR-3	Reliability	The application almost predicts the exact rainfall analysis.
NFR-4	Performance	The user expecting output is calculated and obtained.
NFR-5	Availability	The system would be available whenever it is needed.
NFR-6	Scalability	Rainfall rate can be changed and every rate can be measured.