

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	User Registration	Registration through Gmail Registration through form
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User login into website	Login using credentials Forgot password/change password for updating user credentials
FR-4	Displaying further information about the site	To know more about the site, user can click on the about button
FR-5	Enter required parameters	Inputs like city name, area and more
FR-6	Validating all required fields	System checks whether all the required fields are filled and those values are correct
FR-7	Displays weather conditions of entered city	Climatic conditions of the entered city will be displayed to the user
FR-8	Displays prediction results	User can view the results predicted
FR-9	Download prediction results	Download as jpg/png, download as pdf
FR-10	Logout from the site	User can log out from the site using the option provided

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The responsive website satisfies the user needs and is easy to use.
NFR-2	Security	Login credentials will be protected from attacks and of single use only. If it doesn't match the existing one, it shows error message. Number of attempts to login to the site is limited
NFR-3	Reliability	User interface to guide the users throughout the website.

Non-functional Requirements:

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

		User credibility is maintained by means of social proof System provides the precise output without generating errors
NFR-4	Performance	Site evaluates the user queries quickly
NFR-5	Availability	User can access the site from anywhere, anytime.
NFR-6	Scalability	With sufficient internet access, the system can be used as a web application to handle users from multiple users.