

Project Design Phase-II  
Requirement Analysis (Functional & Non-functional)

Functional Requirements:

Following are the functional requirements of the proposed solution.

SR No.	Functional Requirement	Sub Requirement (Sub-Task)
1	Home Page	<ul style="list-style-type: none"><li>• Chronic Kidney disease description</li><li>• Information about Test parameters required for identification</li><li>• If new User , REGISTER</li><li>• If Already exist, SIGN IN</li></ul>
2	User Registration	Enters Mail ID and other personal details required
3	User Login	Uses Mail ID and Password for login
4	Test parameters Form	Test parameters should be entered for prediction
5	Result	<ul style="list-style-type: none"><li>• If Positive – Test Result along with the Information about what is to be done next will be displayed.</li><li>• If Negative – Test result along with preventive measures to prevent themselves from getting Chronic Kidney disease will be displayed.</li></ul>

Non-functional Requirements:

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

SR No.	Non-Functional Requirement	Description
1	User friendly	Even people who were not aware of computer/mobile usage should be able to use the product.
2	Security	Access permission for particular system information may be changed by systems data administration.
3	Reliability	The database update process must roll back all related updates when any updates fails.
4	Performance	The Home-page load time should not exceed more than 2 seconds for users that access the website using an LTE mobile connection.
5	Availability	New Model Deployment must not affect the Home page ,test page and result page and must not take longer than 1 hour.
6	Scalability	The website Traffic limit must be flexible enough to support 2000,000 users at a time.