

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

<b>Date</b>	15 <sup>th</sup> October 2022
<b>Team ID</b>	PNT2022TMID08156
<b>Project Name</b>	Early Detection of Chronic Kidney Disease Using Machine Learning
<b>Maximum Marks</b>	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

<b>FR No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
<b>FR-1</b>	<b>User Registration</b>	Registration through Form Registration through Gmail
<b>FR-2</b>	<b>User Confirmation</b>	Confirmation via Email Confirmation via OTP
<b>FR-3</b>	<b>Website Entry</b>	Collecting user's data and storing it in the Database
<b>FR-4</b>	<b>Permissions</b>	Location, Storage, Contacts

**Non-functional Requirements:**

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

<b>NFR-1</b>	<b>Usability</b>	Defines how difficult it will be for a user to learn and operate the system. Usability can be accessed from different points.
<b>NFR-2</b>	<b>Security</b>	Security requirements ensure that the software is protected from unauthorized access to the system and its stored in data.
<b>NFR-3</b>	<b>Reliability</b>	Reliability defines how likely it is for the software to work without failure for a given period. Reliability decreases because of bugs in the code , hardware , failures and problems with other system component.

<b>NFR-4</b>	<b>Performance</b>	It is quality attribute that describes responsiveness of system to the various user interactions with it.
<b>NFR-5</b>	<b>Availability</b>	It is gauged by period that system's functionality & services are available for use with all operations.
<b>NFR-6</b>	<b>Scalability</b>	Scalability describes how the system must grow without negative influence on its performance. This means serving more users , processing more data , doing more transactions . Website traffic limit must be scalable enough to support 2,00,000 users at a time.