

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

Date	03 October 2022
Team ID	PNT2022TMID02746
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard
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 Registration through Outlook
FR-2	User Confirmation	Confirmation via Email
FR-3	Check treatment options	Display cost of the said treatments
FR-4	Check risk factors	Display tips on leading a healthy lifestyle
FR-5	Use prediction tool	Enter details and when the results are shown, display the dashboard for more insights

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The website will utilise better user interface for easy navigation. The process of finding out the results will be smooth and easy for the user.
NFR-2	<b>Security</b>	The website will be protected against SQL injection, DDoS attacks and SHA are used making the website very safe for use.
NFR-3	<b>Reliability</b>	The tool will give accurate and reliable results most of the time.
NFR-4	<b>Performance</b>	The website will be well optimized which includes fast rendering of the pages, providing a bug-free, smooth and hassle-free experience for the user.
NFR-5	<b>Availability</b>	The tool will be available for users most of the time.
NFR-6	<b>Scalability</b>	The system will be scalable enough to support a lot of users at the same time while maintaining optimal performance.