

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

Date	03 October 2022
Team ID	PNT2022TMID14546
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash
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 Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Visualizing Data	Visualize the presence of heart disease through Dashboard created using IBM Cognos Analytics
FR-4	Generation Report	Users have the access to view their reports

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Simple User Interface with easy access to Contents. User friendly features
NFR-2	<b>Security</b>	Maintain a secondary/backup dataset User reports are kept safely
NFR-3	<b>Reliability</b>	Must work without error or minimum error
NFR-4	<b>Performance</b>	It is affected by the implementing algorithm. Depending on the error metrics we have to choose
NFR-5	<b>Availability</b>	Need to be available for the user 24 x 7 without interruptions Should identify all type of heart disease
NFR-6	<b>Scalability</b>	Should handle a high number of request/users at same time and large datasets