

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

Date	16 October 2022
Team ID	PNT2022TMID39449
Project Name	Visualizing And Predicting Heart Diseases With An Interactive Dash Board
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	Enables user to make registration for the application through Gmail
FR-2	User Confirmation	Once after registration, the user will get confirmation via Gmail
FR-3	Data preparation	After user login they can upload a dataset and prepare the data.
FR-4	Visualizing Data	User can visualize the trends on the heart disease through Dashboard created in IBM Cognos Analytics
FR-5	Generating Report	User can view health reports and can make decisions accordingly.

**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 application will have a simple and user-friendly graphical interface. Users will be able to understand and use all the features of the application easily.
NFR-2	<b>Security</b>	For Security of application, data replication technique is used. So that all the important data should be kept safe. In case of crash, the system should be able to backup and recover the data.
NFR-3	<b>Reliability</b>	The application must be reliable and strong in giving the functionalities.
NFR-4	<b>Performance</b>	Performance of the application depends on the response time and the speed of the data submission. The application is direct and faster which depends on the efficiency of implemented algorithm.
NFR-5	<b>Availability</b>	The application will be available 24x7 for users without any interruption.
NFR-6	<b>Scalability</b>	The application can withstand increase in number of users and able to develop higher versions in future.