Project Design Phase-II
Solution Requirements (Functional & Nonfunctional)

Date	10 October 2022
Team ID	PNT2022TMID53213
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 (Sub-Task)
FR-1	User Registration	Register for the application through Email
FR-2	User Confirmation	After registration, the user will get confirmation via Email
FR-3	Visualizing Data	User can able visualize the trends on the heart disease through Dashboard created using IBM Cognos Analytics
FR-4	Generating Report	Through the generated report the user can view his/her health report and can make decisions accordingly

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User can able to understand the simple and user-friendly graphical interface. And can use all the features of the application easily just by few clicks they can access things
NFR-2	**Reliability**	The application has to be consistent at every scenario and has to work without failure in any environment and able to sustain after failure , using replication of the data
NFR-3	**Security**	For security of the application the technique known as database replication should be 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-4	**Performance**	The response time of the application is direct and faster which depends on the efficiency of implemented algorithm. Performance of the application depends upon the response time of the application
NFR-5	**Availability**	The application has to be available 24 x 7 for users without any difficulty
NFR-6	**Scalability**	The application can withstand the increase in the Number of users and has to be able to develop higher versions