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

Date	10October 2022
Team ID	PNT2022TMID20641
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	Allows users to register for the application using Gmail.
FR-2	User Confirmation	After registering, the user will receive confirmation via email.
FR-3	Visualizing Data	Through a dashboard designed with IBM Cognos Analytics, users can see trends about heart disease.
FR-4	Generating Report	The user can read their health report and take appropriate action.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application will have an easy-to-use graphical user interface. Users will find it simple to comprehend and utilise all the capabilities of the application. Any activity must be carried out with only a few clicks.
NFR-2	**Security**	The technique known as database replication should be utilised for the application's security to ensure the safety of all crucial data. The system must be capable of backing up and recovering data in the event of a crash.
NFR-3	**Reliability**	The application must be consistent in all scenarios and work without fail in any environment.
NFR-4	**Performance**	The application's performance is determined by the response time and the speed with which data is submitted. The application's response time is direct and faster, which is determined by the efficiency of the implemented algorithm.
NFR-5	**Availability**	The application must be accessible to users 24 hours a day, seven days a week, without interruption.
NFR-6	**Scalability**	The application must be able to handle a rise in the number of users and generate higher versions.