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

Date	03 October 2022
Team ID	PNT2022TMID21213
Project Name	Visualizing and Predicting Heart Diseases with and 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 Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Visualizing Data	User can visualize the trends on the heart disease through Dashboard created using IBM Cognos Analytics and understand the insights.
FR-4	Generating Report	User can view their health reports and share them with their family doctor.

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 a simple and user- friendly graphical interface. Users will be able to understand and use all the features of the application easily. The design will be improved regularly and made sure that it is interactive.
NFR-2	**Security**	Encryptions can be utilized to ensure that the data and records about the users are kept safe. Passwords must be used everywhere wherever an access to critical data is required.
NFR-3	**Reliability**	Storage infrastructure can be made reliable by making use of backup systems. Also, the systems made should be fault tolerant.
NFR-4	**Performance**	Performance of the application depends on the response time and the speed of the data submission. Algorithms designed should be very

		efficient and make use of minimum resources and yield maximum output.
NFR-5	**Availability**	The application must be available 24 x 7 for users without any interruption. Proper use of backup servers can help in achieving such targets.
NFR-6	**Scalability**	The application should support large number of users and must be able to grow as per the demand.