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

Date	19 October 2022
Team ID	PNT2022TMID29695
Project Name	Project – 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	Registration through Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	User Verification	Verification through CAPTCHA (I'm not a robot)
FR-4	Visualizing Data	User can visualize the trends on the heart disease through Dashboard created using IBM Cognos Analytics.
FR-5	Generating Report	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.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	A simple and user friendly graphical interface is used. Users will be able to understand and use all the features of the application easily. Even a non-technical person should be able to Understand the working of application and use it.
NFR-2	**Security**	User's Data privacy is implemented using the login verification process. After verification only the user is granted permission to access it.
NFR-3	**Reliability**	Application should be fault tolerant. Any changes made need to be committed and backup must be present in case of system crash.
NFR-4	**Performance**	Performance of the application depends on the response time and the speed of the data submission. The response time of the application is

		direct and faster which depends on the efficiency of implemented algorithm.
NFR-5	**Availability**	The application has to be available 24x7 for users without any interruption.
NFR-6	**Scalability**	The application can withstand the increase in the no.of users and has to be able to develop higher versions.