Project Design Phase-II
Functional Requirements

Date	02 November 2022
Team ID	PNT2022TMID14106
Project Name	Visualizing and Predicting Heart Diseases with and Interactive Dashboard

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 the user to make registration using forms for the applicationthrough Mail.
FR-2	User Confirmation	Once after registration made, the user will get confirmation via Mail.
FR-3	Visualizing the Data	The data provided will be analyzed and creative dashboards which created using IBM Cognos Analytics can be visualized by the user.
FR-4	Generating Report	User can view their health report by the analysis 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**	The application can be used in both mobile and desktop. It will have a simple and user-friendly graphical interface. Users will be able to easily understand all the features of the application and can make use of it. The portal will be active for 24hrs.
NFR-2	**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. Incase of crash, the system should be ableto backup and recover the data.
NFR-3	**Reliability**	The application has to be consistent at every scenario and has to work without failure in any environment.
NFR-4	**Performance**	The performance should be fast relaying. This prediction system should be made available in cloud to ensure better accessibility and setting a milestone in providing good quality affordable healthcare.
NFR-5	**Availability**	The application has to be available 24 x 7 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. It can be integrated with smart watches and apps for further advancements.