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

Date	13 October 2022
Team ID	PNT2022TMID35454
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 (Story / Sub-Task)
FR-1	User Registration	Registration through Google Form
FR-2	User Confirmation	Confirmation via Email
FR-3	User input	Uploading dataset to platform (IBM Cognos)
FR-4	Data pre-processing	Data is prepared and processed by cleaning and checking information
FR-5	Data analysis	Data is analysed to find patterns, relationships and Trends
FR-6	Data visualization	Data is converted to various visualizations based on user requirements

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Even a non- technical person should be able to understanding working of the application and use it.
NFR-2	Security	Patient medical data is very sensitive and therefore must be secured so that the data is not misused
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	Application needs to be lightweight and efficient in terms of memory and resources used. Different users have different systems so that must be taken into account.
NFR-5	Availability	Data should be available to users at all times. Data integrity needs to be maintained.
NFR-6	Scalability	Application needs to be able to handle multiple or large amounts of data and produce advanced visualizations without affecting performance.