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

Date	15 October 2022
Team ID	PNT2022TMID23382
Project Name	Project – Visualizing and predicting heart disease 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	Collect data	Data from various sources are collected using different methods in order to provide optimized results.
FR-2	Data Cleaning and Wrangling	When combining multiple data sources, there are many opportunities for data to be duplicated or mislabeled hence we cleanse the data
FR-3	Creating data model	The process of analyzing and defining all the data, as well as the relationships between those bits of data comes under this.
FR-4	Prediction and Analysis	The hidden trends are analyzed and the final results are predicted using machine learning and AI algorithms.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The project must be easy to use. The user needs to have a good experience while working with the interface.
NFR-2	**Security**	Every user can access the website only if they posses the password. The database is secured with encryption techniques which provides high levels of security
NFR-3	**Reliability**	The project must have minimal degree of failure under normal usage and how often does the user get access to this work
NFR-4	**Performance**	The project must respond quickly to the user's actions or even if the user has to wait the waiting period must be short.
NFR-5	**Availability**	The project is platform independent. It runs perfectly on almost every platform.
NFR-6	**Scalability**	The project allows multiple users to handle the data at the same time. It is highly scalable since adding features and making advancements in the website is uncomplicated.