

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

Date	14 November 2022
Team ID	PNT2022TMID21090
Project Name	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 Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Input	Uploading dataset to platform i.e., 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 pattern, relationships and trends
FR-6	Data Visualization	Data is converted into 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	<b>Usability</b>	Even a non-technical person should be able to understanding working of the application and use it
NFR-2	<b>Security</b>	Patient medical data is very sensitive and therefore must be secured so that the data is not misused
NFR-3	<b>Reliability</b>	Application should be fault tolerant. Any changes made to be committed and backup must be present in case of system crash

NFR-4	<b>Performance</b>	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	<b>Availability</b>	Data should be available to users at all times. Data integrity needs to be maintained.