

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

Date	03October 2022
Team ID	PNT2022TMID14797
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	Enable user to register for the application through Gmail (or) mobile number to collect their data
FR-2	User Confirmation	After registration, the confirmation of the user will be done through OTP via phone number (or) Gmail
FR-3	Visualisation and Prediction	User can visualise the heart disease with the help of dashboards created using Cognos Analytics and prediction can be done with the help of datasets and user data
FR-4	Report creation	With the help of visualisation and prediction, user can receive their report and with the help of reports, user can undergo treatments
FR-5	Treatment process	With the help of the report, corresponding treatments and their details such as cost, time will be given. User can choose the treatment based on the report

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The user can easily understand the platform and use all the features provided by the application because it is user friendly and simple.
NFR-2	Security	The privacy is the most important feature provided by the application with the help of high level encryption and decryption. It also provides some additional features for backup and recovery of data.
NFR-3	Reliability	The application should be more reliable at every situation and the result should be more accurate. The application should work without failures.

NFR-4	Performance	Performance of the application is mainly based on the speed and response time taken for the given input data. The speed and the response time of the application should be fast in order to visualise and predict the disease quickly and efficiently.
NFR-5	Availability	The tool or application should be available free at any time. It should work 24*7 without any congestion in data.
NFR-6	Scalability	The application should work efficiently for more number of users with high speed and performance. It should also be reliable for the users.