

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

Date	03 October 2022
Team ID	PNT2022TMID28916
Project Name	Project - 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 Google
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Health Condition	<ul style="list-style-type: none">• Cholesterol• Diabetes• Blood Pressure• Heart Rate• Oxygen Level• Obesity• Medical history
FR-4	User Symptoms	<ul style="list-style-type: none">• Increased Heart rate• Difficulty in breathing• Chest, arm and Shoulder Pain• Precipitation

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	People can predict their health conditions at any time even when the doctor is not available. It is user friendly.
NFR-2	Security	The entire health report of the patient is completely authenticated.
NFR-3	Reliability	Since, we use the Naïve Bayes algorithm we can get of accurate results.
NFR-4	Performance	It provides us with 98% Accuracy and also give us faster results.
NFR-5	Availability	It is available at anyplace and at anytime where there is a decent bandwidth.
NFR-6	Scalability	Our system could perform well and maintain its performance even if it is tested by large operational demands.