

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

Date	08 November 2022
Team ID	PNT2022TMID12442
Project Name	Visualizing and predicting Heart Disease using interactive dashboard
Maximum Marks	4 Marks

TEAM MEMBERS:

1. SANMATHI T
2. UMA MAHESWARI P
3. SWATHI LAKSHMI C
4. PRAVEEN B

1. 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	Personal details for account	They have to enter their personal details.
FR-4	Regular medical condition	Enter the medical details and reports required.
FR-5	Doctor consultation	Get the doctor's consultation.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	As usability is a prerequisite for success of health and wellness mobile apps, our proposed solution aims to provide insights and suggestions for improving usability and experience of the mobile health app.
NFR-2	Security	A proposed solution can empower patient, streamline communication, and provide real time monitoring and self ,management of medical

		condition by building a secure app that puts security, privacy and authentication.
NFR-3	Reliability	Measuring reliability can improve the quality and value of health care apps. Our proposed solution will provide accurate prediction of disease with a lower risk of errors that cause harm to user and reduces the death rate. Our solution provides safety to user's data with lot of benefits simply in home which is efficient without wasting equipments, supplies ,ideas and energy
NFR-4	Performance	The performance of this project is to reduce heart disease death rate by earlier accurate disease prediction. Our solution offers services such as disease prevention, diagnosis and treatment and rehabilitation.
NFR-5	Availability	Availability is important because while there are often shortages in human resources , deployed providers are frequently inappropriately absent or , when present, are not actively delivering health care because they are engaged in other duties.
NFR-6	Scalability	It can be integrated with smart watch and apps for further advancement which is very helpful for earlier prediction.