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

Date	17 October 2022
Team ID	PNT2022TMID04303
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Account creation	User can fill their Gmail and password for account creation.
FR-4	Personal details for account	Apart from the basic details ,user need to enter details such as name,age,height,sex,weight,previous medical records etc.
FR-5	Regular medical condition updation in app	Entry present medical records, symptoms etc.,
FR-6	Doctor consultation	Expert doctor consultation through app

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application will have a simple and user friendly graphical interface. Users will be able to understand and use all the features of the application easily. Any action has to be performed with just a few clicks.
NFR-2	**Security**	For Security of the application the technique known as database replication should be used so that all the important data will be safe. By building the app it will provide security, privacy and compliance by considering authentication, privilege management, secure data storage and communication, compliance and testing and installation.
NFR-3	**Reliability**	The application has to be consistent at every scenario and has to work without failure in any environment.
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 shortage in human resources, deployed providers are frequently inappropriately absent or present, are not actively delivering health care because they engaged with other duties. The application has available in 24 X 7 for users without any interruption.
NFR-6	**Scalability**	It can be integrated with smart electronic gadgets for further advancements which is very helpful for earlier prediction. Further, we can provide live doctor consultancy, keep up the old data records for increasing accurate prediction and to prevent heart disease .It notifies the people to nearby hospital when they are at risk.