PROJECT DESIGN PHASE- II
Functional Requirements Template

Team ID:	PNT2022TMID14141
Project name:	Visualizing and Predicting Heart Diseases with an Interative DashBoard
Maximum marks:	4 marks

Functional Requirements:

Follwing are the functional requirements of the proposed solution.

FR No.	Functional Requirement(Epic)	Sub Requirement(story/sub-task)
FR-1	User registration	Registration via google account Registration through Gmail
FR-2	Account creation	Requires Gmail id and password for account creation
FR-3	User confirmation	Confirmation via Email Confirmation through OTP
FR-4	Personal details for account	Name, age, gender, BMI, previous medical records, etc., regarding patient's medical history.
FR-5	Regular updation in app	To enter present medical record, symptoms etc.,
FR-6	Visualizations and Reports	Visualizing via personalized dashboard and generating report as pdf and send to email.

Non-Functional Requirements:

Following are the non-functional requirements of the proposed solution

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application will have a simple and graphical interface.The user interface is easy to use for everyone and any actions has to be perform with just few clicks with minimal amount of time. The user will be able to understand and use all features of the application easily.
NFR-2	Security	Medical records are private and also sensitive one , so authentication using passwords and OTP are used. Database replication technique should be used so that all datas should be kept safe. Ask credentials before showing sensitive information.
NFR-3	Reliability	The application is made accessible whenever needed. Provide security and privacy to the extent needed by the user. Our application will provide accurate prediction of disease with a lower risk of errors that cause harm to user and reduces the death rate.It responds within the time frame needed. It is regularly updated or modified as needed by the user.
NFR-4	Performance	The performance of this project is to reduce heart disease death rate by earlier accurate disease prediction.

		The output will be generated without any delays and our application takes lesser time in prediction of the user's condition.
NFR-5	Availability	Availability is important because ,if there are any human resources , deployed providers are frequently inappropriately absent or, when present, are not actively delivering health care because they are engaged in other duties. Our application will be availble 24 X 7 for users without any interuptions.
NFR-6	Scalability	The application can be easily accomodate ten times of its current users by withstanding no crashes, no downtime, fast loading speeds and with strong security and scale to any extent.