

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

Date	31 January 2025
Team ID	LTVIP2026TMIDS61478
Project Name	Gemini historical Artifact Description
Maximum Marks	4 Marks

Functional Requirements

FR No. Functional Requirement (Epic) Sub Requirement (Story / Sub-Task)

FR-1 User Registration **Registration through Form (Email & Password)**

Registration through Gmail

Registration through LinkedIn

FR-2 User Confirmation **Confirmation via Email**

Confirmation via OTP

FR-3 User Login **Login using Email & Password**

Login using Gmail

Forgot Password Reset

FR-4 Health Data Entry **Enter health parameters (Age, BP, Cholesterol, etc.)**

Edit / Update health data

Save patient records

FR-5 Heart Disease Prediction **Process data using Machine Learning model**

Display Risk / No Risk result

FR-6 Report Generation **Generate prediction report**

Download report in PDF format

FR-7 Admin Management **View and manage users**

Update prediction model

Monitor system activity

Non-Functional Requirements

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should have a simple, clear, and user-friendly interface.
NFR-2	Security	User data must be encrypted and protected with secure authentication mechanisms.
NFR-3	Reliability	The system should provide accurate and consistent prediction results without failure.
NFR-4	Performance	The system should generate prediction results within a few seconds after data submission.
NFR-5	Availability	The system should be available 24/7 with minimal downtime.
NFR-6	Scalability	The system should handle increasing users and data without performance degradation.