

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.