

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

Date	03 June 2025
Team ID	LTVIP2025TMID33353
Project Name	HealthAI: Intelligent Healthcare Assistant Using IBM Granite
Maximum Marks	4 Marks

Functional Requirements

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail
FR-2	User Login	Login with Email & Password
FR-3	Patient Chat	Ask health-related questions Receive AI-generated responses
FR-4	Disease Prediction	Enter symptoms Receive predicted disease output
FR-5	Treatment Plans	View treatment suggestions based on disease
FR-6	Health Analytics	Input health metrics View graphs/analytics (BMI, BP)
FR-7	User Confirmation	Success message post registration (Optional) Email/OTP verification
FR-8	Application Deployment	Deploy application on browser (via Streamlit or Flask)

Non-Functional Requirements:

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be clean, simple, and user-friendly, accessible to all users.
NFR-2	Security	User credentials and health data should be securely stored using hashing and MySQL.
NFR-3	Reliability	The AI response and symptom checker should function accurately across all inputs.
NFR-4	Performance	App must respond within 2–3 seconds for user queries or input.
NFR-5	Availability	The system should be available 24x7 with 99% uptime for health support.

NFR-6	Scalability	Can scale across regions and languages; supports more users and features in future.
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