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

Date	27 June 2025
Team ID	LTVIP2025TMID31916
Project Name	HealthAI:IntelligentHealthcare Assistant Using IBM Granite
Maximum Marks	10 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	AI-Powered Patient Chat	Interactive Q&A using IBM Granite API via Streamlit chat input
FR-2	Disease Prediction	Predict possible illnesses based on symptoms entered in form
FR-3	Treatment Plan Generator	Generate personalized treatment suggestions using AI model
FR-4	Health Analytics	Display charts and AI insights from uploaded CSV data
FR-5	CSV Report Upload	Upload user medical data in CSV for analytics
FR-6	Streamlit Interface	Clean, tabbed interface with clear navigation and layout

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Modern UI using Streamlit with responsive layout and tabbed navigation
NFR-2	Security	User inputs are kept local; IBM API keys secured via environment variables
NFR-3	Reliability	Model responses consistent via IBM Cloud API
NFR-4	Performance	AI responses returned within 2–5 seconds
NFR-5	Availability	Hosted using Streamlit Cloud
NFR-6	Scalability	API-driven design allows scaling to more users or modules easily