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

Date	27 June 2025
Team ID	LTVIP2025TMID59196
Project Name	HealthAI: Intelligent Healthcare Assistant
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Symptom Input	Text input, Voice input
FR-2	Data Processing	Missing value handling, Categorical encoding
FR-3	Disease Prediction	ML model prediction based on symptoms, Multi-condition support
FR-4	Response & Interface	Show predicted conditions, Health tips, Frontend response rendering

Non-functional Requirements:

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

FR No	Non-Functional Requirement	Description
NFR-1	Usability	The system should be easy to use by patients with minimal instructions
NFR-2	Security	User symptom data must be securely processed and not exposed
NFR-3	Reliability	System should give consistent predictions for the same symptoms
NFR-4	Performance	System should respond to queries within 3 seconds
NFR-5	Availability	The health assistant should be available at least 99% of the time
NFR-6	Scalability	Should support increasing users and more symptoms/disease mapping in future