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

Date	29 January 2026
Team ID	LTVIP2026TMIDS91241
Project Name	HeartDisease Analysis
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	User Registration	Registration through form (Name, Email, Password)
		Registration through Gmail
		Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email
		Confirmation via OTP
FR-3	Login & Authentication	Login using Email and Password
		Logout from system
FR-4	Dashboard Access	View Scenario 1 Dashboard
		View Scenario 2 Dashboard
		View Scenario 3 Dashboard
FR-5	Data Input	Enter patient details (age, BP, cholesterol, etc.)
FR-6	Risk Analysis	System calculates heart disease risk
FR-7	Visualization	Display charts, graphs, and KPIs
FR-8	Story View	View story (narrative insights)
FR-9	Report Generation	Download analysis report in PDF
FR-10	Admin Management	Upload datasets
		Remove invalid users

Non-Functional Requirements

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should be easy to use and understandable by non-technical users.
NFR-2	Security	User data must be protected using authentication and secure access.
NFR-3	Reliability	The system should provide accurate and consistent results without failure.
NFR-4	Performance	Dashboards and reports should load within 2–3 seconds.
NFR-5	Availability	The system should be available 24/7 with minimal downtime.
NFR-6	Scalability	The system should support an increasing number of users and data records.