

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

Date	15 February 2026
Team ID	LTVIP2026TMIDS74725
Project Name	Heart Disease 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	Data Upload	Upload heart disease dataset (.csv)
FR-2	Data Preparation	Preprocess and clean health data in Tableau (handle nulls, rename fields, data types)
FR-3	Dashboard Development	Create visualizations such as bar charts, line charts, heatmaps, and multi-variable charts
FR-4	Dashboard Interaction	Add filters for Age, Gender, Smoking, Diabetes, Physical Activity
FR-5	Data Exploration	Enable drill-down analysis by demographic and lifestyle factors
FR-6	Insight Delivery	Identify high-risk groups and key contributors to heart disease
FR-7	Export Functionality	Export dashboards as PDF or image for medical reports
FR-8	Responsive Design	Ensure dashboards adapt to desktop, tablet, and mobile screens

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboard must be intuitive for doctors, policymakers, and non-technical users
NFR-2	Security	Patient data and Tableau workbooks should be securely stored and shared
NFR-3	Reliability	Dashboard should provide consistent insights across all filters
NFR-4	Performance	Dashboard should load within acceptable time after filter selection
NFR-5	Availability	Dashboards should be accessible via Tableau Public or exported files
NFR-6	Scalability	System should support additional health records and future datasets