

Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	06 February 2026
Team ID	LTVIP2026TMIDS39871
Project Name	Heart Disease Analysis
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web-based interface where users can view the heart disease dashboard	HTML, CSS
2.	Application Logic	Handles routing and rendering of web pages	Flask (Python Web Framework)
3.	Data Source	Heart disease dataset used for analysis	CSV Dataset
4.	Data Processing	Cleaning and organizing dataset for visualization	Tableau
5.	Data Visualization	Creation of charts, dashboards, and stories	Tableau Public
6.	Dashboard Publishing	Publishing dashboard for online access	Tableau Public
7.	Dashboard Integration	Embedding Tableau dashboard into Flask web application	iFrame / Tableau Embed Code
8.	Infrastructure (Server / Local)	Running the web application and hosting dashboard	Flask Local Server / Tableau Public

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Web framework and development tools used	Python, Flask, Tableau Public
2.	Security Implementation	Ensures no sensitive data is exposed publicly	Controlled Data Publishing
3.	Scalable Architecture	Web-based architecture supporting multiple users	Browser-based Access
4.	Availability	Application accessible online after publishing	Tableau Public Hosting
5.	Performance	Fast loading interactive dashboard with filters	Optimized Tableau Visualizations