Project Design Phase-I
Proposed Solution Template

Date	23 October 2023
Team ID	591290
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Visualizing and predicting heart diseases
2.	Idea / Solution description	The solution involves developing an innovative interactive dashboard for visualizing and predicting heart diseases. It analyses various health data using advanced data analytics and machine learning algorithms, providing an overview of the cardiac health of the patient. The interactive aspect makes it easier for users to connect with and understand complex medical insights. Sensitive information is protected by strict data security and privacy controls, and the platform connects to devices to offer real-time updates on health data. Additionally, it offers expert telehealth support and provides scalability for expanding users and developing medical requirements. In the end, this method helps patients receive more expert care while allowing users to maintain their heart health.

3.	Novelty / Uniqueness	Compared with usual methods, which depend on population statistics, this solution includes data from a variety of sources, such as medical records, lifestyle data, and accessible device data, to give an in-depth analysis of a person's heart health. Its interactive dashboard and machine learning techniques produce accurate predictions. With high levels of control and precision in prevention and care, this customized and innovative approach
		completely changes the heart disease management.
4.	Social Impact / Customer Satisfaction	The solution has a major influence on patient outcomes by assisting in the early detection and prevention of heart problems. A tool that improves the accuracy of diagnostics and provides personalized treatments is beneficial to healthcare providers. Through early and efficient healthcare measures, the social impact is significant, improving customer satisfaction and public health outcomes.
5.	Business Model (Revenue Model)	The fundamental objective of the business model is to provide healthcare organizations, clinics, and practitioners with a service that is based on subscriptions. It is possible to offer many subscription plans with different levels of features, storage of data, and user accounts. Partnerships with healthcare companies or research institutes for data insights can also be a source of additional income.
6.	Scalability of the Solution	Scalability is an important factor in the solution's design. It easily expands up to handle growing user demands and data size. Flexibility is provided by cloud-based architecture, enabling the system to increase its processing resources as required. Additionally, the modular design makes it easier to include new and updated technologies, ensuring long-term scalability and relevancy in the quickly changing healthcare technology market.