

Project Design Phase-I
Proposed Solution Template

Date	30 October 2023
Team ID	Team-592279
Project Name	Project – Heart Attack Prediction
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)	Need to find the possibilities of heart attack by analyzing the historical data features and need to assist strongly in taking the necessary treatment to recover.
2.	Idea / Solution description	To detect whether a person is suffering from a heart disease by considering certain attributes like Heart rate, cholesterol level, age, the weight of a person, and some other attributes.
3.	Novelty / Uniqueness	the novelty of using Random Forest for heart attack prediction lies in its ability to leverage machine learning for personalized, dynamic, and data-driven risk assessments, potentially transforming the way we approach cardiovascular health.
4.	Social Impact / Customer Satisfaction	The social impact of predicting heart attacks has the potential to transform healthcare practices, empower individuals, and contribute to a broader societal shift towards proactive health management and well-being.
5.	Business Model (Revenue Model)	This business model aims to leverage the predictive capabilities of Random Forest in a way that addresses the needs of healthcare providers, insurers, corporate wellness programs, and individual consumers, creating a sustainable and impactful venture
6.	Scalability of the Solution	The scalability of the heart attack prediction solution is not only about handling increasing volumes of data and user demand but also about ensuring adaptability, cost-effectiveness, and the ability to continuously improve the model's accuracy and relevance in diverse healthcare scenarios.