PROJECT DESIGN PHASE - I
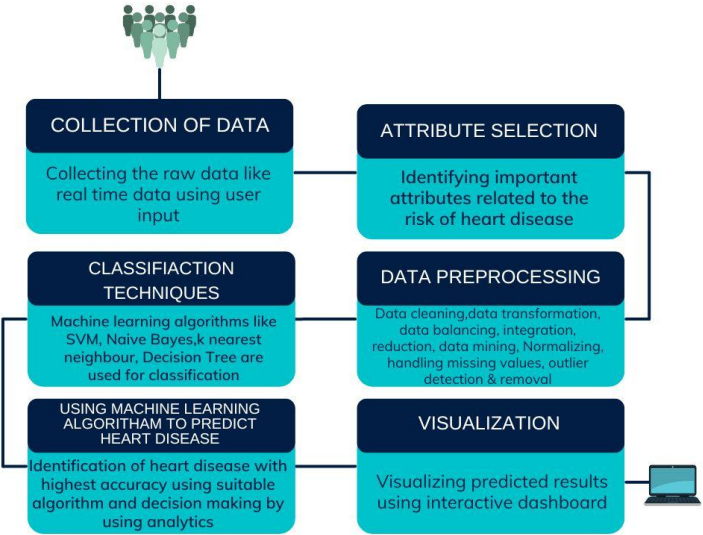
PROPOSED SOLUTION

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PROJECT NAME	Visualizing and Predicting Heart Diseases with an Interactive Dashboard

S.No	Parameter	Description
1.	Problem Statement	Heart disease is the leading cause of death for men, women, and people of most racial and ethnic groups in the World.The major challenge in heart disease is its detection. There are instruments available which can predict heart disease but either they are expensive or are not efficient to calculate the chance of heart disease in humans. Early detection of cardiac diseases can decrease the mortality rate and overall complications.
2	Idea / Solution Description	The main idea of our project is to develop an application with the help of classification and regression techniques in IBM Cognos Analytics to predict disease. This can be achieved by analyzing various factors.The diagnosis of heart disease is usually based on signs, symptoms and physical examination of the patient.
3	Novelty/Uniqueness	The proposed system is unique because it gets inputs directly from the user for parameters such as age, BP level, cholesterol level, smoker history, heart rate, etc and it requires minimum effort to predict heart disease.
4	Social Impact / Customer Satisfaction	The proposed system has an impact on people who have earlier symptoms for heart problems.Customer can use this application to predict heart diseases.This system will predict accurately.

5	Business Model (Revenue Model)	
6.	Scalability of the Solution	The system will be faster and reduce the cost and time complexity of doctors.It can reduce the risk of critical factors.