PROBLEM STATEMENT

Date	10th October 2022
Team ID	PNT2022TMID53645
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard

It is found that in India, Cardiovascular Diseases contributed to 28·1% of total deaths and 14·1% of total disability-adjusted life years. Moreover, most of those with coronary heart disease who pass away are 65 years of age or older. The risk for heart disease can be increased by a number of medical issues, lifestyle, age, and family history. When a person is affected by heart disease, it causes side effects. Chest pain, chest tightness, chest pressure and chest discomfort Breathing difficulties, Neck, jaw, throat, upper abdomen, or back pain. Heart disease - and the conditions that lead to it - can happen at any age. Although both sexes can get heart attacks in old age, women have a higher mortality rate (within a few weeks). High rates of obesity and high blood pressure among younger people (ages 35–64) are putting them at risk for heart disease earlier in life. Cardiovascular Diseases happen when coronary arteries struggle to supply the heart with enough blood, oxygen and nutrients. Cholesterol deposits, or plaques, are almost always to blame. These buildups narrow your arteries, decreasing blood flow to your heart. This can cause chest pain, shortness of breath or even a heart attack.

Therefore it becomes important to predict the presence/absence or the probability of getting heart disease. The user or the common people can enter the input values from their's health report and check the presence/absence of heart disease. The data is fed into the project model which predicts the probability of having heart disease. Thus the user can take appropriate steps according to the result.