Project Design Phase-I
Proposed Solution

Date	25 October 2022
Team ID	PNT2022TMID42689
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Heart disease refers to several types of abnormalities in heart conditions. The leading cause of death is heart disease. It is infeasible for a common man to frequently undergo tests for ECG and so on. Hence, there needs a replacement for this, which must be handy and reliable.
2.	Idea / Solution description	The idea behind the proposed solution is to propose an interactive dashboard for visualizing and predicting heart diseases in which user can view his/her medical report analysis and the predicted final result. The dashboard will be generated using IBM Cognos. The heart disease will be predicted using Naïve Bayes Algorithm.
3.	Novelty / Uniqueness	The novelty behind the proposed system is to provide suggestions to the user based on his/her medical analysis. It will provide the preventive measures to take care of the user himself.
4.	Social Impact / Customer Satisfaction	The system helps the user as well as the doctor to make better decisions to predict heart disease. It is useful in predicting the disease in an earlier stage and makes the user alert about his current condition periodically.
5.	Business Model (Revenue Model)	This interactive dashboard for heart disease prediction can be deployed in Health care centres and Hospitals, so that it makes the analysis in a fast manner.

6.	Scalability of the Solution	The proposed solution will work efficiently in both smaller and larger datasets in a similar manner. In future, it can be changed to predict some other diseases with more accuracy.