

Project Design Phase-I
Proposed Solution Template

Date	21 October 2022
Team ID	PNT2022TMID34422
Project Name	Visualizing and Predicting Heart Diseases with an Interactive dashboard
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)	In order to prevent heart illness in the near future and be ready to address medical location, healthcare needs technology to forecast the cause of heart disease.
2.	Idea / Solution description	The idea behind the proposed solution is to propose an interactive dashboard for visualising and forecasting cardiac issues, where the user may view the evaluation of individuals' medical reports and the projected outcome. It will be visualised using IBM Cognos and shown in a dashboard. We will first review and prepare the data set. To forecast cardiac disease, a number of machine learning methods can be utilised.
3.	Novelty / Uniqueness	The suggested approach is novel since it gives advise and teaches individuals about their bodies on a non-medical level. They will be able to take the appropriate precautions and pay attention to their body's needs as a result. A suggested study about cardiac arrest prediction using the real-time dataset is categorised based on gender, age, chest discomfort etc. We plan to use methods to calculate the likelihood of risk classification based on factors like age, gender, chest discomfort, etc.
4.	Social Impact / Customer Satisfaction	It improves in early disease diagnosis and frequently informs the user of his current health condition. Sell dashboards to clinical, diagnostic, and medical facilities to make money. Heart disease can be effectively managed with a combination of medication, lifestyle changes, and, occasionally, surgery.

5.	Business Model (Revenue Model)	Hospitals and healthcare facilities can install this interactive dashboard for heart disease prediction, allowing for speedy analysis. Predicted outcomes can be used to reduce the need for costly surgical operations by avoiding them altogether.
6.	Scalability of the Solution	We demonstrate that this approach can generate forecasts with the highest degree of accuracy, enabling its practical application in the healthcare sector.