

Project Design Phase-I
Proposed Solution Template

Date	15 October 2022
Team ID	PNT2022TMID03384
Project Name	Project - 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)	The leading cause of death in the developed world is heart disease. As a result, work must be done to reduce the risks of having a heart attack or stroke. It is infeasible for a common man to frequently undergo tests for ECG and so on. Hence, it requires a replacement that is both convenient and dependable.
2.	Idea / Solution description	The proposed solution proposes an interactive dashboard for visualising and forecasting heart disorders, in which the user may observe his/her medical report analysis as well as the projected end result. IBM Cognos will be used to create the dashboard. Machine learning Algorithms will be used to forecast cardiac disease.
3.	Novelty / Uniqueness	Makes recommendations to the user based on that person's medical analysis. Also provide preventive measures when required.
4.	Social Impact / Customer Satisfaction	It helps with disease prediction at an early stage and frequently alerts the user to their current health status. Both the user and the doctor can benefit from the system's improved decision-making regarding cardiac disease.
5.	Business Model (Revenue Model)	Can be deployed by Hospitals or NFOs, so that it makes the analysis in a fast manner.
6.	Scalability of the Solution	The solution can work effectively on long and small datasets. It can also be changed to predict various other diseases depending on the dataset.