

Project Design Phase-I
Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID03964
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board.
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 user needs a way to identify whether he/she is affected by Heart disease, improve diagnosis & quality of care, assists in predicting diseases, analysing symptoms, providing appropriate medicines, minimizing cost, extending the life span and reduces the death rate of heart patients.
2.	Idea / Solution description	By predicting and visualizing the fundamentals properties that are related to heart disease and visualizing them in a dashboard.
3.	Novelty / Uniqueness	The use of analytics in healthcare improves care by facilitating preventive care and visually represented data provide various insights easily. Prediction is non invasive. So it is cost efficient. Earlier prediction is very helpful in reducing mortality rate.
4.	Social Impact / Customer Satisfaction	It will reduce the mortality rate due to heart disease. Heart prediction can be done easier and earlier by visual analytics. As it is cost efficient, it is preferred by most of the customers. Most importantly, it is very helpful for doctors to give treatments according to the patients conditions and it's preferred by the doctors as it saves time.
5.	Business Model (Revenue Model)	There are 2 ways to generate revenue from this project by creating a product model. By introducing an app for predicting heart disease or it can be integrated with smart watches for producing more efficient models.
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