

**Project Design Phase-I**  
**Proposed Solution Template**

Date	4 October 2022
Team ID	PNT2022TMID02476
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)	Predicts the chances of Heart Disease and classifies patient's risk level .
2.	Idea / Solution description	->Find Number of people suffering from heart disease and classifying with genders ->using data analytics to improve diagnosis ->Visualize frequency distribution of each variable and find what the heart rate and heart disease relation. ->Chest pain is the key to recognize the heart disease. In this work, the heart diseases are predicted by considering major factors with four types of chest pain.The role of exploratory data using tableau provided a visual appealing and accurate clustering experience.
3.	Novelty / Uniqueness	Using various statistical test for feature selection and to find out the most efficient classification algorithm that can help us to detect heart diseases at early stage.This algorithm can be used on heart records of the patient or by using it on classification reports.
4.	Social Impact / Customer Satisfaction	people think heart disease is incurable and people can understand with what heart disease he/she may have affected and understand that 80% preventable cases of heart disease and stroke and detecting the disease at earliest.
5.	Business Model (Revenue Model)	Cost efficiency,potential consumer space is huge.
6.	Scalability of the Solution	As these are being analyzed using data analytics method,the scaling is flexible hence it is scalable.