Project Design Phase-I

Proposed Solution

Date	10 October 2022
Team ID	PNT2022TMID45847
Project Name	Visualizing and predicting heart diseases with an interactive dashboard
Maximum Marks	2 Marks

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To observe whether a person who is working under a high pressure environment is suffering from a heart disease and also to determine significant risk factors based on medical dataset which may lead to heart disease or not.
2.	Idea / Solution description	To Find Number of people suffering from heart disease and classifying with genders using data analytics to improve diagnosis visualize frequency distribution the variable and find what the heart rate and heartdisease relation. The 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 thinks heart disease is un curable 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. Awareness can be created among the patients through ads.
6.	Scalability of the Solution	Heart disease can be predicted easily with the data stored in the hospitals. It gives the best user experience and maintains the details.