Project Design Phase-I Proposed Solution

Date	30 September 2022
Team ID	PNT2022TMID23536
Project Name	Project -Visualizing and Predicting HeartDiseases with an Interactive Dash Board
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The leading cause of death in the developed world is heart disease. Therefore, there needs to be work done to help prevent the risks of having a heart attack or stroke. Predicting heart diseases early on is a very critical problem in today's scenario.
2.	Idea / Solution description	To visualize and create a interactive dashboard interface for detailed analysis and prediction of heart diseases
3.	Novelty / Uniqueness	Exploratory data analysis technique is being proposed for interactive dashboard using multiple real time parameters
4.	Social Impact / Customer Satisfaction	According to WHO, cardiovascular diseases are the leading cause of death globally, representing 31% of all deaths. As of 2016, more than 75% of these cardiovascular disease-related deaths occurred in low-income and middle-income countries. Cardiovascular diseases are associated with significant morbidity and mortality, and WHO estimated they contributed to 27% of all non-communicable disease (NCD)-related deaths in India in 2016. By implementing the proposed solution, people from various walks of life gets impacted and will attain customer satisfaction at its best
5.	Business Model (Revenue Model)	Exploratory data analysis report and dashboard services can be provided using subscription based model through which revenue can be generated.
6.	Scalability of the Solution	The results of Global Burden of Disease study state age-standardized CVD death rate of 272 per 100000 populations in India which is much higher than that of global average of 235. Hence the proposed solution can be scaled to prevent heart diseases at the early stage in the above mentioned scale of the issue.