Project Design Phase-I

Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID15823
Project Name	Project -Visualizing and Predicting Heart Diseases with an Interactive Dashboard
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Analyze the heart disease dataset to explore the machine learning algorithms and build decision tree model to predict the disease.
2.	Idea / Solution description	To clean the model and pre-processing the model and to test and train the model using decision tree with the given dataset.
3.	Novelty / Uniqueness	We proposed a method for heart disease prediction using machine learning techniques, these results showed a great accuracy standard for producing a better estimation result.
4.	Social Impact / Customer Satisfaction	By using this method, we can separate the people those who can affected vs normal people, and it will play a vital role combining both medical and technology field. Customer(patients) can get benefit through saving financial cost (spending medical test), and by collecting dataset of their detailed condition,we can say that whether they get affected or not.
5.	Business Model (Revenue Model)	We can make revenue from this by making our developed model or a product form which can be modified into software kit, application or a webpage where they can interact easily. This all comes and developed under data analytics. We can get profited by selling or giving access with permission to our clients(Doctors).
6.	Scalability of the Solution	It is based on the number of users who maintaining the software or a system according to its performance like work flow, increase or decrease in efficiency, response time etc.By this a good quality of product is determined. If you suffer from a heart condition that interferes with your ability to work, you may qualify for disability benefits.