Project Title: Visualizing and predicting heart disease with an interactive dashboard

Project Design Phase-I - Solution Fit Template

Team ID: PNT2022TMID48518

Define cc , fit into cs

CS

1. CUSTOMER SEGMENT

- Hospital
- Clinic
- People that who monitor regularly
- Scientist that who research on the dataset to find a medicine.

CC

6. CUSTOMER CONSTRAINT

the absence of data due to user confidentiality, collaborative dashboard, network connectivity, and ignorance of AI/ML technologies

AS

5.AVAILABLE SOLUTION

- Customers favour manual predictions and data visualisation.
- It is a difficult task to do because of the mathematical formula we must derive.

Define cc , fit into cs

Focus on J&P, tap into BE ,understand RC

JP

2. Jobs to be done / problems

Dataset :

Quality of the data that we are going to use is important .
If it is unreliable then the result will be not accurate while predicting.
Problem:

With the previous analysis of data, that we need to predict the heart disease with user entered current data.

RC

9. PROBLEM ROOT CAUSE

- Reason for heart disease will differs from person to person
- Few main reason are Cholesterol and usage of alcohol
- But their may be a similarity between some people
- In future root cause for heart disease may or may not finalize

BE

7.BEHAVIOUR

- Obtain a good,reliable dataset
- After a well understand difference between the field to make a comparison between them.

Focus on J&P, tap into BE ,understand RC

Identify the strong TR and EM

JP

3. TRIGGERS

inadequate method of analysing massive amounts of data and inability to determine the fundamental cause of heart disease and similarity between people with heart disease.

RC

10.YOUR SOLUTION

using ML technology to anticipate heart disease and IBM cognos to provide a user dashboard that allows for viewing and analysis of the condition

BE

ONLINE:

- Visualization
- exploration

OFFLINE:

- Collecting of dataset

Identify the strong TR and EM

EM

3. EMOTIONS: BEFORE/AFTER

BEFORE :

There is a great deal of uncertainty regarding the cause of heart disease.

AFTER:

Their may be a that to find root cause and it make better for predictions