Visualizing and Predicting Heart Diseases with an Interactive Dash Board

TEAM ID: PNT2022TMID28768

PROBLEM SOLUTION FIT

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

- Hospitals
- Clinics
- WHO
- Any medical related agencies those prepare medicines or any kind of solutions inferring over the data of diseases.

6. CUSTOMER CONSTRAINTS CC

The unawareness over the AI/ML technologies, collaborative dashboards, network connection, lack of data.

5. AVAILABLE SOLUTIONS AS

The customers can prefer over a manual data visualization and prediction, which is very tedious job and requires the knowledge over the technologies of AI/ML.

Hard mathematical formulae were created and the results were being calculated manually.

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS J&P

Quality of Data:

The quality of data should be accurate and reliable. Obviously, the outcome will solely depend on the data we put into the prediction. If the data is skewed, then the prediction which is dependent on it, will be skewed as well.

9. PROBLEM ROOT CAUSE RC

- Difficulty of predicting a heart disease.
- Will not have a proper idea of relation between similar heart diseases.
- There is a chance of identifying every heart diseases as same.
- Reason of increase in heart disease will not be rootly identified.

7. BEHAVIOUR BE

- Generation of legitimate and reliable datasets.
- Customers need to collect more number of datasets in order to obtain more accurate result.
- Must obtain knowledge of difference between datasets that is used for comparison.

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

Identify strong TR & EM

3. TRIGGERS TR

- Insufficient ways of handling huge amounts of datasets and inferring the root cause of the heart disease cannot be found out.
- Similarity of heart disease has not been identifiable.

10. YOUR SOLUTION SL

With the notable technology of AI/Ml we are able to visualize and predict heart diseases and related diseases, by the ultimate power Cognos Analytics Tool we will be able to properly create a dashboard for the customers to work with and visualize and analyze the heart disease on their work with limited knowledge.

8.CHANNELS of BEHAVIOR CH

8.1 ONLINE

Visualizing the datasets. Exploration of data.

8.2 OFFLINE

Cleansing of datasets.
Collection and noting the datasets.

Identify strong TR & EM

4. EMOTIONS: BEFORE / AFTER

EM

Before > It creates a huge ambiguity in knowing the proper or accurate reasons for a heart disease.

After > There is a large chance understanding ofthe heart disease and root cause of it.
which makes a better solution and finding a preventive way over it.