Project Title: **Visualizing and Predicting Heart Diseases with an InteractiveDash Board**

Project Design Phase-I - Solution Fit Template

Team ID: PNT2022TMID02974

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

People with heart disease.
Aged Persons (Above 60)

6. CUSTOMER CONSTRAINTS CC

Avoidable medical errors. Low treatable mortality rates. Lack of transparency. Difficulty finding a good doctor. High maintenance costs. A different perspective on solving the shortage crisis.

5. AVAILABLE SOLUTIONS AS

→Avoid smoking
→Take healthy foods
→Visit cardiologist in case of any symptoms
→Maintaining healthy exercise

Explore AS, differentiate

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

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

Coronary artery disease is a common heart condition that affects the major blood vessels Cholesterol deposits (plaques) in the heart arteries are usually the cause of coronary artery disease.

9. PROBLEM ROOT CAUSE RC

A buildup of fatty plaques in the arteries (atherosclerosis) is the most common cause of coronary artery disease. Risk factors include a poor diet, lack of exercise, obesity and smoking.

7. BEHAVIOUR BE

Chest pain or discomfort, Shortness of breath, Slow heartbeat, Lightheadedness, Swelling in the legs, belly area or areas around the eyes.

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.

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 of the heart disease and root cause of it. which makes a better solution and finding a preventive way over it.

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 BEHAVIOUR 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