Project Title: Visualizing and Predicting Heart Diseases with an Interactive Dash Board **Project Design Phase-I - Solution Fit** **Team ID:** PNT2022TMID23536

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

- ❑ Old age people at home - domestic level
- ❑ Private hospitals and clinics
- ❑ Lab centres who generates medical analysis reports and insights

6. CUSTOMER CONSTRAINTS CC

- ❑ Lack of digital knowledge for patients by themselves
- ❑ Huge variables in the parameters of analysis which is a challenging factor for customer

5. AVAILABLE SOLUTIONS AS

- ❑ Traditional heart disease prediction systems doesn't have interactive dynamic dashboard for user understanding
- ❑ Intensive fit bands or hardware systems are complex which are not user friendly

Explore AS, differentiate

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

- ❑ To prevent heart disease with an interactive dashboard
- ❑ To prevent heart diseases with intensive anlayis at the early stage of the cause
- ❑ Analysing patterns in heart parameters for detailed visual data

9. PROBLEM ROOT CAUSE RC

- ❑ Inefficient traditional systems
- ❑ No interactive visual interface
- ❑ Less accuracy in analysing heart parameters

7. BEHAVIOUR BE

- ❑ To provide necessary data to analyse the data pertaining to heart disease parameters and generate predictive output.
- ❑ Navigation around Dashboard features understanding the same

Identify strong TR & EM

3. TRIGGERS TR

- ❑ Maximum deaths due to CVD for people around the customers.
- ❑ More awareness to concentrate on heart diseases through social media, doctor advises and word of mouth about the problem

4. EMOTIONS: BEFORE / AFTER EM

Insecure → Confident
Unreliable → Trustworthy

10. YOUR SOLUTION SL

The proposed solution aims at increasing the accuracy of heart disease prediction system through interactive user friendly dashboard for analysis of heart diseases

- ❑ Heart data parameters monitoring and analysis using data analytics tools
- ❑ Visual dashboard for displaying the predicted diseases through the analysis of various parameters from patient end

8.CHANNELS of BEHAVIOUR CH

8.1 ONLINE

- ❑ Analysis of Data collected
- ❑ Accessing and understanding application's features.

8.2 OFFLINE

- ❑ Data collection of patients/customer
- ❑ Implementing the suggestions, insights provided by the application interface.

Identify strong TR & EM