

Project Title: Visualizing And Predicting Heart Diseases With An Interactive Dash Board
Project Design Phase-I Problem Solution Fit
Team ID: PNT2022TMID16827

Define CS, fit into CC	<div><div>1. CUSTOMER SEGMENT(S)</div><div>Who is your customer?</div><div>CS</div></div> <div><div>Ans., mostly patient above the age of 65 People with cardiovascular risks</div></div>	<div><div>6. CUSTOMER CONSTRAINTS</div><div>What constraints prevent your customers from taking action or limit their choices of solutions?</div><div>CC</div></div> <div><div>Ans., healthy lifestyle, budget, no cash, prescription,prediction,probability, available technologies.</div></div>	<div><div>5. AVAILABLE SOLUTIONS</div><div>Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have?</div><div>AS</div></div> <div><div>Ans., lot of predictions were made in the past, medicines were already been introduced in the market,pros-helps the patient to recover.,cons-the rate of death seems to increase over the years ,people get heart attack in their early stages of life(age 24-40)</div></div>	Explore AS, differentiate
	<div><div>2. JOBS-TO-BE-DONE / PROBLEMS</div><div>Which jobs-to-be-done (or problems) do you address for your customers?</div><div>J&P</div></div> <div><div>Ans., There could be a more efficient and accurate dataset to predict which patients are most likely to suffer from a heart disease</div></div>	<div><div>9. PROBLEM ROOT CAUSE</div><div>What is the real reason that this problem exists? What is the back story behind the need to do this job?</div><div>RC</div></div> <div><div>Ans., because of change in diet.people are consuming more processed foods with high amount of suger now.smoking and stress are also a major reason</div></div>	<div><div>7. BEHAVIOUR</div><div>What does your customer do to address the problem</div><div>BE</div></div> <div><div>Ans., Decisions are often made based on doctors.i.e,customers consult</div></div>	

3. TRIGGERS

TR

What triggers customers to act?

Ans.,. seeing their neighbour or loved ones die at such a young age

Seeing their neighbour or loved ones suffer from cardio diseases , having to take medications for life time and pressure of unwanted operations/surgery

4. EMOTIONS: BEFORE / AFTER

EM

How do customers feel when they face a problem and afterwards?

Ans., loss, worry < happiness, self confidence

10. YOUR SOLUTION

SL

For providing appropriate results and making effective decisions on data, some advanced data mining techniques are used. a Heart Disease Prediction System is developed using Naives Bayes and Decision Tree algorithms for predicting the risk level of heart disease. The system uses 15 medical parameters such as age, sex, blood pressure, cholesterol, and obesity for prediction. The HDPS predicts the likelihood of patients getting heart disease. It enables significant knowledge.

8. CHANNELS of BEHAVIOUR

CH

8.1 ONLINE

What kind of actions do customers take online?
Online extraction, google search

8.2 OFFLINE

What kind of actions do customers take offline? Visit a doctor, consult elders