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

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CC

# Define CS, fit into CC

# 1. CUSTOMER SEGMENT(S)

Ans., mostly patient above the

People with cardiovascular risks

Who is your customer?

age of 65

CS

J&P

# 6. CUSTOMER CONSTRAINTS

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What constraints prevent your customers from taking action or limit their choices of solutions?

Ans., healthy lifestyle, budget, no cash, prescription, prediction, probability, available technologies.

# **5. AVAILABLE SOLUTIONS**

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?

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)

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# 2. JOBS-TO-BE-DONE / PROBLEMS

Which jobs-to-be-done (or problems) do you address for your customers?

Ans., There could be a more efficient and accurate dataset to predict which patients are most likely to suffer from a heart disease

# 9. PROBLEM ROOT CAUSE

RC

What is the real reason that this problem exists? What is the back story behind the need to do this job?
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

# 7. BEHAVIOUR

BE

What does your customer do to address the problem

Ans., Decisions are often made based on doctors.i.e,customers consult

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Explore

AS,

differentiate

AS

# 3. TRIGGERS

operations/surgery

strong



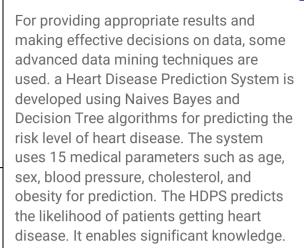
What triggers customers to act? Ans.,. seeing their neighbour or loved ones die at such a young age Seeing their neighbour or loved ones suffer from cardio diseases, having to take medications for life time and pressure of unwanted

# 4. EMOTIONS: BEFORE / AFTER



How do customers feel when they face a problem and afterwards? Ans., loss, worry < happiness, self confidence

# **10. YOUR SOLUTION**



# 8. CHANNELS of BEHAVIOUR



### 8.1 ONLINE

SL

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