

Project Title: Visualizing and Predicting Heart Diseases with an Interactive Dashboard  
Project Design Phase-I - Solution Fit Template

Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

CS

- Doctors in hospitals
- Clinics
- Health Centers

E.g.: Doctors can use this along with the patients' medical data to analyze the risk of heart disease.

6. CUSTOMER CONSTRAINTS

CC

- Budget
- No accuracy in prediction
- Interactive Dashboards
- Network Connection
- Need of dataset
- There is no awareness about the

5. AVAILABLE SOLUTIONS

AS

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? i.e. pen and paper is an alternative to digital notetaking

- Customers can go to the doctor for a medical checkup.
- Based on the test results, doctors will advise them.
- The patient can do manual prediction

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS

J&P

Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

- Visualizations give doctors very good insights on the potential chances for a patient to get heart disease.
- It is also very useful to explain to patients so that they can easily understand the risk factor and take care of themselves to reduce the likelihood of getting heart disease.
- Standard of Data: The outcome is fully depends on the accurate and relative dataset
- Lives depending on medical support

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?

i.e. customers have to do it because of the change in regulations.

Buildup of fatty plaques in the arteries is the most common cause of coronary artery disease.

Not storing and analyzing data properly to help doctors make informed decisions

Increasing in heart disease will not be identified firstly is major reason.

There is a possibility of considering every heart disease as same

There is no idea about relation between similar heart disease

7. BEHAVIOUR

BE

What does your customer do to address the problem and get the job done?

i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

Regular, daily physical activity can lower the risk of heart disease. Physical activity helps control your weight.

A healthy diet can help protect the heart, improve blood pressure and cholesterol, and reduce the risk of type 2 diabetes.

One of the best things you can do for your heart is to stop smoking or using smokeless tobacco. Even if you're not a smoker, be sure to avoid secondhand smoke.

Maintain a healthy weight

Get good quality sleep

Manage stress

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

### 3. TRIGGERS

TR

What triggers customers to act? i.e., seeing their neighbor installing solar panels, reading about a more efficient solution in the news.

Lifestyle changes ,Lives depending on medical support,need to search for heart specialist with manageable price , need to apply for health insurance , Financial insecurity ,Anxiety ,shortness of breath ,may feel emotional stress ,may feel chest pain,chest tightness,chest pressure and feel for fatigue

### 4. EMOTIONS: BEFORE / AFTER

EM

How do customers feel when they face a problem or a job and afterwards?  
i.e. lost, insecure > confident, in control - use it in your communication strategy & design.

Feeling afraid and depressed.  
Develop a feeling of awareness which mean people  
There is huge uncertainty in knowing the accurate and correct  
Reason for a disease and predicting it.

### 10. YOUR SOLUTION

SL

If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.

If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behavior.

To clean data and provide visualizations to help doctors in their diagnosis of patient as well as make customers more aware of this issue.  
This can help to prevent casualties and to take action either from immediate medical help or by self remedies.

### 8. CHANNELS of BEHAVIOUR

CH

#### 8.1 ONLINE

What kind of actions do customers take online? Extract online channels from #7

#### 8.2 OFFLINE

What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

#### ONLINE:

Users look at the data and compare it with their test results Upload data. Prepare data, Exploration of data.

**OFFLINE:** Doctors use it as a tool to diagnose patients and make accurate predictions.