# Project Title: Visualizing and Predicting Heart Diseases with an Interactive Dashboard Project Design Phase-I - Solution Fit Template Team ID: PNT2022TMID05510

## 1. CUSTOMER SEGMENT(S)

of solutions?

6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES

Personal characteristics and physical disability of the customer.

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



Which solutions are available to the customers when they face the problem or need to get the job done?

5. AVAILABLE SOLUTIONS PLUSES & MINUSES

There are various solutions available for the people who are affected with heart diseases. They are,

Quit smoking

get cholesterol test periodically

eat plenty of fruits, vegetables and healthy foods with grains, sprouts, nuts etc.

Maintain a good physique.

Who is your customer?

smokers people who have high blood pressure

people who have high cholesterol people who have high lipoprotein

Diabete patients

people who have lack of regular exercise

Thrombosis patients

people who shortness of breath

## 2. PROBLEMS / PAINS + ITS FREQUENCY

9. PROBLEM ROOT / CAUSE

Psychological problems.

RC

BE

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

more than one; explore different slides.

Lives depending on medical support

Financial insecurity

shortness of breath

may feel chest pain, chest tightness, chest pressure

Lack of knowledge about heart disease.

Negative thoughts of the customer.

Complex symptoms of heart failure.

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

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

lack of exercise, obesity and smoking.

Acute aortic insufficiency(AI).

To cure the diseased patients especially to visualize the heart problems and give relief to them.

One backstory is that many children are now affected with hole in the heart and suffer a lot than elders, so this method is initiated.

Heart is the first formed organ when human is formed in the womb so problem in this affects the whole body.

Thus, this visualization is made and any such heart diseases is predicted with an interactive dashboard.

7. BEHAVIOR + ITS INTENSITY

What does your customer do to address the problem and get the

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 smok-

using smokeless.tobacco.Even if you're not a smoker, be sure to avoid

secondhand smoke.

Maintain a healthy weight

Get good quality sleep

## 3. TRIGGERS TO ACT

TR

What triggers customers to act? i.e. seeing their neighbour 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

## 10. YOUR SOLUTION

SL

Heart disease treatment depends on the cause and type of heart damage. Healthy lifestyle habits — such as eating a low-fat, low-salt diet, getting regular exercise and good sleep, and not smoking — are an important part of treatment.

If lifestyle changes alone don't work, medications may be needed to control heart disease symptoms and to prevent complications. The type of medication used depends on the type of heart disease.

Some people with heart disease may need a procedure or surgery. The type of procedure or surgery will depend on the type of heart disease and the amount of damage to the heart.

# 8. CHANNELS of BEHAVIOR



#### ONLINE

What kind of actions do customers take online?

Extract online channels from #7

Online appointments with doctors...

Research about the heart disease they are diagnosed with.

Finding possible natural cures.

#### OFFLINE

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

Maintaining proper diet and eating healthy food.

Following the suggestions made by the doctors.t

Taking the right doses of pills at the right time mentioned by doctors.

## 4. EMOTIONS BEFORE / AFTER



t Before a person knows that he/she is affected with any kind of disease, they are happy and do their work normally. But, after a person comes to know about any kind of problems especially a heart disease, he/she become

unhealthy

stressed/depressed

uncomfortable with their daily routines.