J&P

TR

Project Design Phase-I - Solution Fit

CC

RC

SL

Team ID: PNT2022TMID30834

BE

СН

Define CS, fit into CC

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

Identify strong TR &

1. CUSTOMER SEGMENT(S)

ECG Spectral Image Representation

A Handicap who have a heart problem but he cannot go to the hospital

6. CUSTOMER CONSTRAINTS

Identify the heart disease to come out from the dangerous situation.

Find the disease and get a better treatment for that problem such as heart attack,high blood pressure,etc... 5. AVAILABLE SOLUTIONS

Avoid eating of high fat foods and smoking.

Healthy lifestyle such as eating of low fat foods, low salt diet, getting regular exercise, Monthly once heart checkup is important

2. JOBS-TO-BE-DONE / PROBLEMS

Find the heart disease and cure it quickly.

9. PROBLEM ROOT CAUSE

Risk factors include a poor diet, lack of exercise, obesity and smoking,bad cholesterol, Junk food eating 7. BEHAVIOUR

Protect from chest pain, chest tightness, chest pressure and chest discomfort and Shortness of breath Pain in the neck, jaw, throat, upper belly area or back.

3. TRIGGERS

Chest pain, Chest tightness, Chest pressure, chest discomfort(angina) Shortness of breath, Pain in neck, jaw, throat, upper belly area or back.

10. YOUR SOLUTION

Develop a web application for finding the classification of arrhythmia.

By using Convolution neural network to represented as a 2-D image of ECG signals. The types of arrhythmia is identified by using that signal.

8.CHANNELS of BEHAVIOUR

8.1 ONLINE

The User logged in to the web application and accessing the services

8.2 OFFLINE

The user should directly contact with the doctor or hospital.

4. EMOTIONS: BEFORE / AFTER EM	
Before: Especially negative emotions, such as hostility, anger, depression and anxiety, precipitate coronary heart disease After: Temporary feelings of sadness and a depressed mood are common for the first few weeks.	