Problem-Solution fit canvas 2.0

Define CS, fit into CC

CS

1. CUSTOMER SEGMENT(S)

Mrs. Liu is a 86-years old female.she is a cardiologist

CC

6. CUSTOMER CONSTRAINTS

1.Detection of irregular heartbeats from ECG signals is a significant task for the automatic diagnosis of cardiovascular disease.

2.limited data transfer.

3.Limitations of the Related Work.

AS

5. AVAILABLE SOLUTIONS

1.The proposed 2-D CNN model attained better accuracy, sensitivity, and specificity than the FFNN model, which classified only four kinds of arrhythmia.

2.They found highest accuracy rate 99.3% by using k-NN classification by feeding genetic algorithm features.

Explore AS, differentiate

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

P&P

2. PROBLEMS/PAINS

1.Training and testing sets, they transformed one dimensional ECG signals to two-dimensional image and classified the ECG data into five classes with 99.21% average accuracy.

2.there are a lot of problems like loss of data, data size limitations, redundancy.

3 .The speed of the convergence was very slow.

RC

9. PROBLEM ROOT CAUSE

1.Cost is high.

2.Lower accuracy.

3.Slow process and data can be changed.

BE

7. BEHAVIOUR

1.my customers are lab field or clinical field oriented.

2.similarly doctors also diseases can be attacked.

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

Identify strong TR & EM

TR

3. TRIGGERS

1.customers are very disappointed in the delay of record so customer needed a neary another clinic.

2.Nearby hospitals are easy and fast in cardiology record.

EM

4. EMOTIONS: BEFORE / AFTER

1.Chest pain and discomfort.
2.Problem with the electrical signals in your heart.
3.Patient feeling good.

SL

10. YOUR SOLUTION

1.They found highest accuracy rate 99.3% by using k-NN classification by feeding genetic algorithm features

2.They recorded ECG signals in two different situationstechnique on the WEKA software for classification and they utilized MIT-BIH arrhythmia database. During classification they found accuracy rate of 88.49%

CH

8.CHANNELS of BEHAVIOUR

8.1 ONLINE

Produced Ad in the social medias and website to reach a people

8.2 OFFLINE

Direct visit on the customer or poster or cutout to reach them

Extract online & offline CH of BE

AMALTAMA