Problem-Solution fit canvas 2.0

AMALTAMA

1. CUSTOMER SEGMENT(S) CS

Who is your customer?
i.e. working parents of 0-5 y.o. kids

- People can able to detect parkinson's disease through this application
- We should perform a comparative study of Spiral and Wave images.

6. CUSTOMER CONSTRAINTS CC

What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.

- In this work, an attempt has been made to classify the spiral images of healthy control and Parkinson's disease subjects using deep learning neural network.

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

- The Brain MRI images are trained and tested to give the accuracy Disease measures.
- volumetric analysis is one of the widely used MRI protocols to demonstrate pathological modifications related to PD in the striatal region.

Define CS, fit into CC

Explore AS, differentiate

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.

- Parkinson's Disease is still detected manually.
- They system does not give the accurate results .
- MRI Imaging involves high cost of production.
- The image resolution is low so the face expression will not be detected.

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.

- They have the hand tremor. .they cant able to read or write like others.
- They have the mono pitch, hoarse voice than others
- They can't able to breath or walk fastly like others.
- They have slightly fexed hip and knees

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)

- In training, the proposed model employs a data enhancement technology called SCI-KIT' Image Data Generator API on multi-view data.
- The data features are enriched by this data augmented technology, which can increase the diversity of the experimental samples.

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

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

3. TRIGGERS TR

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

- They recognized faster and more accurately
- The model is trained to learn the low level to high level features and the classification results are validated.

10. YOUR SOLUTION SL

What kind of solution suits Customer scenario the best?
Adjust your solution to fit Customer behaviour, use Triggers, Channels & Emotions for marketing and communication.

- Vision Based methods have reported promising results in providing better characterization of PD in the early stages and are expected to have better sensitivity than standard clinical measures.
- This project proposes a Vision Based novel deep learning architecture for neuro generative disorder screening.

8.1 ONLINE CHANNELS CH

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

- An objective diagnosis of Parkinson's disease will no longer be a laborious job for the clinicians in the near future.

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.

- Ways for improving their quality of life.
- Quicker result view

8.2 OFFLINE CHANNELS CH

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

- FAST-RCNN exploits Feature Extraction to tackle multi-view data from the Spiral Image data. than in MRI

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 behaviour.