

Problem-Solution fit canvas 2.0

Purpose / Vision : A Novel Method for Handwritten Digit Recognition

Define CS, fit into CC	<div>1. CUSTOMER SEGMENT(S)<div>CS</div></div> <div>Who is your customer? i.e. working parents of 0-5 y.o. kids</div> <div><ul style="list-style-type: none">The primary level of customers, targeted are those who works in government service sectors. To be more specific bank or postal officersThe next level of customers will be the individuals who are unable to recognize digits in education sector i.e. OCR correction.</div>	<div>6. CUSTOMER CONSTRAINTS<div>CC</div></div> <div>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.</div> <div><ul style="list-style-type: none">The major constraint for the "primary customer" is that to find a suitable application, they need to make an analysis of each of the handwritten digits to recognizeIn simple words, the number of applications are available in online for recognition and it is complicated for the users to choose the best one and decide on which application to select and use, it takes a lot of time to choose the right application.</div>	<div>5. AVAILABLE SOLUTIONS<div>AS</div></div> <div>Which solutions are available to the customers when they face a 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</div> <div>Websites and Applications for handwritten digit recognition is available, but the problem is that they are not available in most of the country numeric formats. Even if some are available, they are not that effective in predicting the digits effectively for the user</div>	Explore AS, differentiate
	<div>2. JOBS-TO-BE-DONE / PROBLEMS<div>J&P</div></div> <div>Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.</div> <div>The main problem is to find the best application for to recognize the handwritten digits effectively for easier operations and error free.</div>	<div>9. PROBLEM ROOT CAUSE<div>RC</div></div> <div>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.</div> <div><ul style="list-style-type: none">The handwritten digit given is not known by them explicitly. As a reason, the users are confused about which application will be suitable for them to recognize it correctly for smooth process.The users assume that the handwritten digit obtained is recognizable as this or that digit. This is done by the users based on the analysis of the previous years of their analyzing and recognizing process. Due to this, the users are ended in disappointment in not recognizing the digit as it was expected to be for the client<div>The users fall into this cause because of the fact that some of the applications for the handwritten digit recognition are based on the datasets and inputs obtained by them. But when they face the shortage of the better way to recognize it correctly and effectively the digits. This makes the users in the position that, the user is unable to handle the situation.</div></div>	<div>7. BEHAVIOUR<div>BE</div></div> <div>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)</div> <div><ul style="list-style-type: none">The primary reason of address is the problem by going to each application/website and checking the result on recognizing the handwritten digit that are been set by the users in that application for making the users operation easier.The secondary customers will not be involved in this issue, since they just provide their details which is the handwritten digit in any language format.</div>	
<div>3. TRIGGERS<div>TR</div></div> <div>What triggers customers to act? i.e. seeing their neighbor installing solar panels, reading about a more efficient solution in the news.</div> <div>The benefits got by other users is triggering the individuals to make them try the application that are used by the other user. This allows them to ensure ensure effective and reliable approaches for recognition and make their operations easier.</div>	<div>10. YOUR SOLUTION<div>SL</div></div> <div>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.</div> <div><ul style="list-style-type: none">The project focuses on getting the data from the users and comparing them with the digits and preparing an analysis which results in the overall prediction of the handwritten digits for the users.The project will provide a way to analyze the digits obtained by the users and will compare them with the digits available in the data set and will provide the overall prediction of digit that is suitable for the users.The organization developers will be updating their application features and with that, the prediction can be done to know the users availability of the better user experience.</div>	<div>8. CHANNELS of BEHAVIOUR<div>CH</div></div> <div>8.1 ONLINE What kind of actions do customers take online? Extract online channels from #7</div> <div>The actions taken by the customer in the ways of online is that search for the application and their requirements but visiting each of them takes a lot of time for the users. There are many chances of missing the better feature to recognize digit effectively and correctly.</div> <div>8.2 OFFLINE What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.</div> <div>The offline way of recognizing the handwritten digits is not similar to that of the online one as manual way is time consuming not much effective in recognition. This will lead to a lot of stress among the users and their clients as it takes a lot of time and effort.</div>	Extract online & offline CH of BE	
<div>4. EMOTIONS: BEFORE / AFTER<div>EM</div></div> <div>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.</div> <div><ul style="list-style-type: none">The users are very much worried about not recognizing the handwritten digit correctly, which leads to problems in their process.After the issue has been solved with the help of the application, the users are confident in selecting the right way to recognize the handwritten digits effectively and correctly. It makes their process way more easier.</div>				

