

Project Design Phase-I - Solution Fit

Project Title: A Novel Method for Handwritten Digit Recognition System

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1. CUSTOMER SEGMENT(S)

Who is your customer?

i.e. working parents of 0-5 y.o. kids

images

CS

6. CUSTOMER CONSTRAINTS

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.

Blurry or unclear images
does not give the
appropriate results

5. AVAILABLE SOLUTIONS

Which solutions are available to the customers when they face the problem? 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

It can solve more complex
problems and makes
humans' job easier.

2. JOBS-TO-BE-DONE / PROBLEMS

Which jobs-to-be done (or problems) do you address for your customers? There could be more than one; explore different sides.

Everyone struggle to read the
blurry images or digits , this
handwritten digit recognition
will help in a better way to
understand

9. PROBLEM J&P ROOT CAUSE

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

There is a wide range of handwriting
good and bad . this makes the
programmer to code and to provide
example for how every character might
look

RC 7. BEHAVIOUR

What does your customer do to address the problem? i.e. directly related to the problem: solar panel installer, calculator usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

Customer can try with
clear image and neat
handwriting to get the
accuracy in digits