

Project Design Phase-I - Solution Fit

Define CS, fit into CC	<div>1. CUSTOMER SEGMENT(S)<div>CS</div><ul style="list-style-type: none">People at industry side for recognizing various digits of handwriting.People Working in bank, post offices etc.</div>	<div>6. CUSTOMER CONSTRAINTS<div>CC</div><ul style="list-style-type: none">spending powerbudgetno cashnetwork connectionavailable devices.</div>	<div>5. AVAILABLE SOLUTIONS<div>AS</div><ul style="list-style-type: none">In past they get trouble in finding handwritten digitsUsing this system, they can resolve this type of problemsPros of this system is quick recognition andExplore AS, differentiateAccurate predictionCons are network connection is mandatory for using this systemFor using this system Knowledge about the system is required</div>	Explore AS, differentiate

<div>2. JOBS-TO-BE-DONE / PROBLEMS<div>J&P</div><ul style="list-style-type: none">There are different types of handwriting are in world.Each and every handwriting has its own characteristics and uniqueness Its difficult to understand the different people's handwriting digit.</div>	<div>9. PROBLEM ROOT CAUSE<div>RC</div><ul style="list-style-type: none">Not everyone can understand everyone's handwritingThe handwriting is differed from person to person.So, it is difficult to recognize the digits To solve this problem this system has developed</div>	<div>7. BEHAVIOUR<div>BE</div><ul style="list-style-type: none">To address the problem, they can take a snap of the handwritten digit and upload it in the software.</div>	Focus on J&P, tap into BE, understand RC

<p>3. TRIGGERS TR</p> <ul style="list-style-type: none"> • By word of mouth. • Good user experience. 		<p>8. CHANNELS of BEHAVIOUR CH</p> <p>8.1 ONLINE In online they can upload the handwritten picture and yield output.</p>
<p>4. EMOTIONS: BEFORE / AFTER EM</p> <ul style="list-style-type: none"> • It is a quite irritating and frustrating while manually convert the handwritten digits • By using our system, user can save the time and reduce the error occur on recognition. 	<p>10. YOUR SOLUTION SL</p> <ul style="list-style-type: none"> • A novel method for handwritten digit recognition system helps in recognizing the handwritten digits that uses MNIST dataset for training the model. • The model gets the image of the handwritten digits and recognizes the handwritten digits. • CNN algorithm is used over the MNIST dataset to recognize the handwritten digits. 	<p>8.2 OFFLINE In offline they can ask their neighbors to scribble the digits to find them</p>