

Project Design Phase-I - Solution Fit

Team ID: PNT2022TMID16587

Define CS, fit into CC	<p>1. CUSTOMER SEGMENT(S) CS</p> <ul style="list-style-type: none"> Person who are at industry side for recognizing various handwriting digits. People working in bank, post offices 	<p>6. CUSTOMER CONSTRAINTS CC</p> <ul style="list-style-type: none"> Time Accuracy Ease to access Imperfect findings 	<p>5. AVAILABLE SOLUTIONS AS</p> <ul style="list-style-type: none"> In past they get trouble in finding handwritten digits Using this system, they can resolve this type of problems Pros of this system is quick recognition and Accurate prediction Cons are network connection is mandatory for using this system For using this system Knowledge about the system is required 	Explore AS, differentiate
Focus on J&P, tap into BE, understand strong TR & EM	<p>2. JOBS-TO-BE-DONE / PROBLEMS J&P</p> <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. 	<p>9. PROBLEM ROOT CAUSE RC</p> <ul style="list-style-type: none"> Not everyone can understand everyone's handwriting The handwriting is differed from person to person So, it is difficult to recognize the digits To solve this problem this system has developed 	<p>7. BEHAVIOUR BE</p> <p>To address the problem, they can take a snap of the handwritten digit and upload it in the software</p>	Focus on J&P, tap into BE, understand strong TR & EM

<p>3. TRIGGERS TR</p> <ul style="list-style-type: none"> ● By word of mouth ● Good user experience 	<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. CHANNELS of BEHAVIOUR CH</p> <p>8.1 ONLINE In online they can upload the handwritten picture and yield output</p> <p>8.2 OFFLINE In offline they can ask their neighbors to scribble the digits to find them</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 		