

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <b>CS</b> <ul style="list-style-type: none"><li>Customer under banking sector.</li><li>Customer in post offices for arranging letters.</li></ul>	<b>6. CUSTOMER CONSTRAINTS</b> <b>CC</b> <ul style="list-style-type: none"><li>Customers are not aware about this application.</li><li>Network connectivity issues may occur.</li><li>Procedure for detecting the image may take some time.</li></ul>	<b>5. AVAILABLE SOLUTIONS</b> <b>AS</b> <ul style="list-style-type: none"><li>By Installing Digit Recognizer app that is available on play store.</li><li>By using snapLogic website we can recognize the handwritten digits.</li></ul>	Explore AS, differentiate
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <b>J&amp;P</b> <b>JOBS-TO-BE-DONE</b> <ul style="list-style-type: none"><li>Postal Mail sorting ,bank check processing ,Form Data Entry.</li></ul> <b>PROBLEMS</b> <ul style="list-style-type: none"><li>Process getting slow to recognize the digits.</li><li>Time taken to scan and upload images is slower. process.</li></ul>	<b>9. PROBLEM ROOT CAUSE</b> <b>RC</b> <ul style="list-style-type: none"><li>Customers are not aware about this application.</li><li>Network connectivity issues may occur.</li><li>Procedure for detecting the image may take some time.</li></ul>	<b>7. BEHAVIOUR</b> <b>BE</b> <ul style="list-style-type: none"><li>neural networks and conventional neural network currently provide the best solutions to many problems in handwritten digit recognition</li></ul>	
Focus on J&P , tap into BE, understand RC	<b>3. TRIGGERS</b> <b>TR</b> <ul style="list-style-type: none"><li>It gives more efficient accuracy for finding the digits that are uploaded as an image.</li><li>Not able to guess the digits sometimes.</li></ul>	<b>10. YOUR SOLUTION</b> <b>SL</b> <ul style="list-style-type: none"><li>Handwritten digits recognition has become a vital scope and is appealing to many researchers because of its use in a variety of machine learning</li></ul>	<b>8. CHANNELS of BEHAVIOR ONLINE</b> <b>CH</b> <ul style="list-style-type: none"><li>To provide efficient and reliable techniques for recognition of handwritten numerals by comparing various existing classification models.</li></ul>	

<p><b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span></p> <p>BEFORE:</p> <ul style="list-style-type: none"> <li>• To detect any handwritten digits from various sources is quite difficult.</li> <li>• Photographs, papers and touch displays and classifying them into ten specified categories 0-9 is difficult.</li> </ul> <p>AFTER</p> <ul style="list-style-type: none"> <li>• The use of in-depth learning methods, human efforts can be reduced.</li> <li>• Low confidence on guessing the digits.</li> </ul>	<p>and computer vision applications.</p> <ul style="list-style-type: none"> <li>• In recent years, neural networks and conventional neural networks currently provide the best solutions to many problems in handwritten digit recognition. A novel hybrid CNN SVM model for handwritten digit recognition. This hybrid model automatically extracts features from the raw images and generates the predictions.</li> <li>• Nowadays the whole world is a shift in the digital world. They want everything in digital form, they are not ready for manual work or any manual handwritten transaction. So they use this application.</li> </ul>	<ul style="list-style-type: none"> <li>• Online digital recognition on PC tablets, posting zip codes, processing bank check rates, handwriting numerical categories (for example- tax forms) and more.</li> </ul> <p><b>OFFLINE</b></p> <ul style="list-style-type: none"> <li>• A complete offline application built using python libraries that uses a neural network in order to predict the digit drawn over screen. Modules Tensorflow for neural.</li> </ul>
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