

Define CS, fit into CC	<div>1. CUSTOMER SEGMENT(S)<div>CS</div></div> <div>A person who needs to needs to calculate amount, accountant, person with poor eye sight, teacher who has to calculate numbers, bank and finance manager.</div>	<div>6. CUSTOMER CONSTRAINTS<div>CC</div></div> <div>It is a difficult because handwritten digits are not perfect and of different styles, lighting of the image should be good, it should have clear background, taking long time to recognize.</div>	<div>5. AVAILABLE SOLUTIONS<div>AS</div></div> <div>The datasets used should be of various different handwritten styles as every handwriting is unique. The datasets of own and neighbouring persons should be included for more accuracy.</div>	Explore AS, differentiate
	<div>2. JOBS-TO-BE-DONE / PROBLEMS<div>J&amp;P</div></div> <div>Offline handwriting recognition systems are less accurate than online systems. Improper usage of the app by the user may lead to problem in recognizing the digits.</div>	<div>9. PROBLEM ROOT CAUSE<div>RC</div></div> <div>A simple mismatch in a digit may completely change the entire digits completely which leads to further problems in future use.</div>	<div>7. BEHAVIOUR<div>BE</div></div> <div>Behavioral characteristics through text processing and handwriting recognition.An option for retaking the image is provided, Reading the instruction on how to use the app will be helpful to the customers</div>	
Identify strong TR & EM	<div>3. TRIGGERS<div>TR</div></div> <div>Handling more manual work due to the error in recognizing, Late recognition of digits.</div>	<div>10. YOUR SOLUTION<div>SL</div></div> <div>The handwritten recognition model takes an image as an input and compare the preprocessed digits with the trained datasets and give the output of digits as a text format.</div>	<div>8. CHANNELS of BEHAVIOUR<div>CH</div></div> <div>8.1 ONLINE Online handwriting recognition involves the automatic conversion of text as it is written on a special digitizer where a sensor picks up the pen-tip movements as well as pen-up/pen-down switching.</div> <div>8.2 OFFLINE K-NN combined with preprocessing methods can achieve great performance apart from Neural Network when used as a classification algorithm in offline handwritten digit recognition.</div>	Extract online & offline CH of BE
	<div>4. EMOTIONS: BEFORE / AFTER<div>EM</div></div> <div>Manually entering digits takes more time. Handwriting recognition will lead to great relief for people who work in accounts.</div>			