

Project Design Phase-I - Solution Fit Template

Define CS, fit into C	1. CUSTOMER SEGMENT(S) CS Here customers are the one who is defined to work with reading handwritten digits. They are present in places like bank, school, college, post offices, etc.,	6. CUSTOMER CONSTRAINTS CC They believe such alternatives might result in mistakes and flaws and might not be practical.	5. AVAILABLE SOLUTIONS AS Currently there are no popular programs and softwares to detect the handwritten digits.	Explore AS, differen
	2. JOBS-TO-BE-DONE / PROBLEMS J&P There is a wide range of handwriting around the world. It is not possible to understand every handwriting precisely. It may lead to errors while dealing with rugged handwritings.	9. PROBLEM ROOT CAUSE RC Because handwritten number recognition is not an optical character recognition, there are numerous difficulties due to the wide variety of writing styles used by different people. Customers find it difficult to read the handwritten digits as different people use different writing styles and different languages. This investigation offers a thorough comparison of various deep literacy and machine literacy algorithms for handwritten number recognition.	7. BEHAVIOUR BE Designing the best software that more quickly and accurately identifies the handwritten digits.	
Focus on J&P, tap into BE, understand RC				Focus on J&P, tap into BE, understand RC
Identify strong TR & EM	3. TRIGGERS TR To quickly and precisely obtain the digits.	10. YOUR SOLUTION SL A novel method for a 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 digit and recognizes the handwritten digit. Convolution neural networks algorithm is used over the MNIST dataset to recognize the handwritten digits.	8. CHANNELS of BEHAVIOUR CH 8.1 ONLINE Utilizing software that is offered in the online market. 8.2 OFFLINE Enlisting the assistance of nearby people in order to identify the numbers that their clients have scribbled.	Identify strong TR & EM
	4. EMOTIONS: BEFORE / AFTER EM Customers become irate and frustrated because they can't properly read the handwritten digits. They become confused and anxious as a result of not being able to finish their work on time.			