

Problem Solution Fit

A Novel Method for Handwritten Digit Recognition System

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Define CS, fit into CL Focus on PR, tap into BE, understand RC	1. CUSTOMER SEGMENT(S) CS The Customers who deal with handwritten digits like Banking sectors, schools, colleges, railways, firms, etc.	6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> CL They believe that the alternatives will result in errors and faults and will be inconvenient.	5. AVAILABLE SOLUTIONS <small>PLUSES & MINUSES</small> AS There is no widely used software to detect handwriting; instead, they check with other people to affirm what number it is.	Explore AS, differentiate Focus on PR, tap into BE, understand RC
	2. PROBLEMS / PAINS <small>+ ITS FREQUENCY</small> PR Handwritten digits can be difficult to understand and interpret at times. It may cause errors when dealing with rough handwriting.	9. PROBLEM ROOT / CAUSE RC We face numerous challenges in handwritten number recognition. because of different people's jotting styles and the lack of Optic character recognition This investigation offers an in-depth comparison of various machine literacy and deep literacy	7. BEHAVIOR <small>+ ITS INTENSITY</small> BE Finding the best software for detecting accurate digits in a more efficient manner	
Identify strong TR & EM	3. TRIGGERS TO ACT TR To obtain the numbers accurately and quickly.	10. YOUR SOLUTION SL A solution to this problem is the Handwritten digit recognition system, which uses a picture of a digit and recognises the digit present in the image. Convolutional Neural Network model built with PyTorch and applied to the MNIST dataset to recognise handwritten digits	8. CHANNELS of BEHAVIOR CH ONLINE Everyone can access the application for their use like Banking, etc.	Extract online & offline CH of BE
	4. EMOTIONS <small>BEFORE / AFTER</small> EM Feels frustrated and sad when numbers are not entered.		OFFLINE Offline Based application can be used by the users who wants digit recognizer more than online	