Project Title:Novel Method For Handwritten Digit Recognition System Project Design Phase-I - Solution Fit Template Team ID: PNT2022TMID47740



Sometimes characters look very similar,making it hard for a computer to recognize accurately.joined up handwritting is another challenge for computers.

It’s based on the Shape analysis of the digit image and extract slant or slope information.

Reader , Writer ,And Postal employee.

This data can be anything from text and images to sound or other definable qualities.

Letter may not be as easily recognized and possibly cause false and incorrect information being processed.

We can make a system that will recognize the handwriting from image and display in text.



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|  | **3. TRIGGERS TR**  What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efﬁcient solution in the news.  Handwritten digit recognition problem can be seen as a subtask of optical character recognition (OCR) problem. | **10. YOUR SOLUTION SL**  If you are working on an existing business, write down your current solution ﬁrst, ﬁll in the canvas, and check how much it ﬁts reality.  If you are working on a new business proposition, then keep it blank until you ﬁll in the canvas and come up with a solution that ﬁts within customer limitations, solves a problem and matches customer behaviour.  Hand written digit recognition has various real life time users.it is used in the detection of vehicle number , banks for reading cheques,post officers for arranging letter ,and many other task. | 1. **CHANNELS of BEHAVIOUR CH**    1. **ONLINE**   What kind of actions do customers take online? Extract online channels from #7   * 1. **OFFLINE**   What kind of actions do customers take ofﬂine? Extract ofﬂine channels from #7 and use them for customer development.  MNIST is one of the most popular entry level datasets in computer vision. It’s contain thousands of images of handwritten digits. |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  How do customers feel when they face a problem or a job and afterwards?  i.e. lost, insecure > conﬁdent, in control - use it in your communication strategy & design.  Handwriting analysis is the technique used to understand a person in a better way through his/her handwriting. |