

PROBLEM - SOLUTION FIT: PROJECT NAME :

A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

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1.CUSTOMER SEGMENT(S): Customers who work with handwritten numbers include businesses, schools, railroads, and banking institutions.	5. AVAILABLE SOLUTIONS Since handwriting cannot be read by most software, the numbers are verified by other individuals rather than using commonly utilised software.	8. CHANNELS OF BEHAVIOUR utilising online-accessible applications. enlisting the aid of surrounding neighbours in order to identify the numbers that their clients have scribbled.
2. JOBS-TO-BE-DONE/PROBLEMS: It can occasionally be challenging to read and understand handwritten numerals. When working with sloppy handwriting, mistakes may occur.	6.CUSTOMER CONSTRAINT(S): They think that the alternatives will lead to inconveniences, mistakes, and errors.	9. PROBLEM ROOT CAUSE In order to recognise handwritten numbers, we must overcome many obstacles. due to varying writing habits and a lack of Optical character recognition This study provides a thorough comparison of several machine literacy and deep literacy approaches.
3. TRIGGERS to quickly and accurately gather the statistics.	7. BEHAVIOUR Finding the finest software to more quickly and accurately recognise digits	10. YOUR SOLUTION The Handwritten Digit Recognition System, which uses an image of a digit to identify the digit present in the image, offers a solution to this issue. To recognise handwritten numbers, a convolutional neural network model created using PyTorch was deployed to the MNIST dataset.
4. EMOTIONS :BEFORE/AFTER When numbers are not entered, one feels angry and depressed.		