

PROBLEM - SOLUTION FIT: PROJECT NAME :

A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

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1.CUSTOMER SEGMENT(S): <div>The Customers who deal with handwritten digits like Banking sectors , schools , colleges , railways , firms , etc.</div>	5. AVAILABLE SOLUTIONS <div>There are no widely used software's to detect handwriting; instead, they check with other people to affirm what number it is.</div>	8. CHANNELS OF BEHAVIOUR <div>Using software that is available on the internet. Obtaining assistance from those nearby in order to recognise the digits written by their customers.</div>
2. JOBS-TO-BE-DONE/PROBLEMS: <div>Handwritten digits can be difficult to understand and interpret at times. It may cause errors when dealing with rough handwriting.</div>	6.CUSTOMER CONSTRAINT(S): <div>They believe that the alternatives will result in errors and faults and will be inconvenient.</div>	9. PROBLEM ROOT CAUSE <div>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</div>
3. TRIGGERS <div>To obtain the numbers accurately and quickly.</div> 4. EMOTIONS :BEFORE/AFTER <div>Feels frustrated and sad when numbers are not entered.</div>	7. BEHAVIOUR <div>Finding the best software for detecting accurate digits in a more efficient manner</div>	10. YOUR SOLUTION <div>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.</div>