

# A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

## PROBLEM STATEMENT:

Mr.R.Anandaraj is 27 years old, who is working in the State bank of India, Hyderabad. His work is to collect the Handwritten Cheque from the customers and fill it in the bank database. For the last 2 years, the usage of Cheque got higher, and understanding the customer's handwriting takes much time which made his work harder.

- Mr.R.Anandaraj needed much more time to complete a small set of cheque entry.
- He thinks this problem will make his work uncertain, and someone will be replaced instead of him.
- He wants to know a better solution for the this problem.

Who does the problem affect?	Person who does data entry in bank.
What are the boundaries of the problem?	Person who works in bank and does data entry.
What is the issue?	The understanding of customer's handwriting takes much time, so there comes the delay in data entry.
When does the issue occur?	During the peak hours of the bank.
Where does the issue occur?	In the places, where people does data entry from the handwritten data sheet or document.
Why is it important that we fix the problem?	To reduce the excess time taken for the understanding the customer's handwriting.
What is the solution for this issue?	An automated system is introduced to recognize the digit in the handwritten paper which reduce the excess time taken for the understanding the customer's handwriting.

What methodology used to solve the issue?	Deep learning techniques are used to recognize the digits and display it correctly to the users.
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