Project Design Phase-I

Proposed Solution

A novel method for hand written digit recognition

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S.No.	Parameter	Description
•	Problem Statement	The capacity of computer programmes to detect human handwritten digits is known as handwritten digit recognition. Because handwritten figures are not always accurate and can take many various forms and sizes, it is a difficult work for the machine. A solution to this issue is the handwritten digit recognition system, which uses a picture of a digit to identify the digit that is contained in the image.
•	Solution description	The capacity of a computer to categorise human handwriting into 10 specified categories from various sources, such as photos, sheets, touch defences, etc (0-9). We encounter several difficulties in handwritten number identification. because various people have different writing styles.
•	Novelty	Based on an examination of the thickness and form of the numerical picture, it can accurately and efficiently identify the digits.
•	Social Impact	It is utilised for many other functions, including the identification of car numbers, the reading of checks at banks and post offices, and the addressing of letters. It is the fastest approach, but it takes time.
•	Business Model	The goal of this is to provide efficient and trustworthy methods for reading handwritten numbers online, making financial activities simpler and error-free.
•	Scalability of the Solution	Due to its applicability in several machine learning and computer vision applications, handwritten digit recognition has become a crucial field and is enticing many people.