**IDEATION**

Handwriting recognition has become a widely researched as every person has their own individual handwriting. Recognising and identifying this has thus become very important and useful software. Digit Recognition is recognizing or identifying the digits in any document. In digit recognition framework, the system recognises or identifies digits in a document. Handwritten Digit Recognition is the role of a computer to interpret the manually written digits from the sources like messages, papers, recognize license plates ,bank checks, numbers in any form, etc.

**VARIOUS IDEAS INCLUDE:**

1. Feature extraction for recognising various different handwriting structures.
2. CNN(Convolution neural networking) to execute an efficient system for handwriting recognition.
3. High accuracy machine learning techniques for this purpose.
4. MNIST dataset for training the various image processing systems.

Creating an effective yet flexible image recognition system for the same purpose is the objective. By modifying existing systems by using the above methods, this can be achieved.